

2018-2019 Undergraduate Catalog



California Baptist University

An Institution of the California Southern Baptist Convention

2018-2019 Undergraduate Catalog
68TH SESSION

California Baptist University
8432 Magnolia Avenue, Riverside, CA 92504-3297
951.689.5771 • 1.800.782.3382

NONDISCRIMINATION STATEMENT

In compliance with both state and federal law; California Baptist University does not illegally discriminate on the basis of any protected category, except to the extent it is necessary to fulfill its religious purposes, so as to be in compliance with the 2000 version of the Baptist Faith and Message.

California Baptist University, an educational institution controlled by the California Southern Baptist Convention, takes seriously anti-discrimination provisions under the state law and is committed to providing a learning and living environment that promotes student safety, transparency, personal integrity, civility, and mutual respect. California Baptist University is exempted by the state from California Education Code 66270 to the extent the application of California Education Code 66270 is not consistent with the institution's religious tenets. California Baptist University retains all rights afforded it under federal law and the laws of the State of California.

SPECIAL NOTICE

This catalog does not constitute a contract between California Baptist University and its students. Although every effort has been made to ensure the accuracy of the content of this catalog, the University assumes no liability for any omissions or errors contained herein. California Baptist University reserves the right to alter and revise the contents of this catalog at any time.

All announcements here are subject to revision.

2018-2019 Traditional Calendars

Fall Semester 2018

Traditional Semester

August

8 Semester Payment Due Date

September

3 Labor Day Holiday (offices open)

4 Classes Begin*

11 Last Day to Add a Class for Credit*

18 Last Day to Drop a Class with Refund*

18 Last Day to Turn in Credit/No Credit Request

October

1 Graduation Application Deadline for Fall 2018 graduation

15-19 Midterm Examinations

26 Last Day to Withdraw from a Class with "W" (no refund)*

November

19-23 Thanksgiving Holiday (no classes, offices closed at 12:00 noon on the 20th)

26 Classes Resume, Offices Open

December

6-11 Final Examinations

11 Semester Closes

12 Commencement Exercises

13 Christmas Holiday Begins

20 Offices Closed (December 20 - January 1)

Term 1

August

8 Semester Payment Due Date

September

4 Classes Begin* - Term 1

11 Last Day to Add a Class for Credit* - Term 1

18 Last Day to Drop a Class with Refund* - Term 1

October

2 Last Day to Withdraw from a Class with "W" (no refund)* - Term 1

27 Term 1 Closes

Term 2

August

8 Semester Payment Due Date

October

29 Classes Begin* - Term 2

November

5 Last Day to Add a Course for Credit* - Term 2

12 Last Day to Drop a Course with Refund* - Term 2

22-25 Thanksgiving Holiday (no classes, offices closed at 12:00 noon on the 21st)

26 Last Day to Withdraw from a Course with "W" (no refund)* - Term 2

26 Classes Resume, Offices Open

December

22 Term 2 Closes

* For courses with alternate begin and end dates, please see InsideCBU for alternate add, drop and withdraw dates. For Online and Professional Studies semester dates, please refer to the 2018-2019 Online and Professional Studies Calendar.

Spring Semester 2019

Traditional Semester

January

- 2 Offices Open
- 3 Semester Payment Due Date
- 9 Classes Begin*
- 16 Last Day to Add a Class for Credit*
- 21 Martin Luther King Jr. Holiday (no classes, offices closed)
- 23 Last Day to Drop a Class with Refund*
- 23 Last Day to Turn in Credit/No Credit Request

February

- 1 Graduation Application Deadline for Spring 2019 graduation
- 25-Mar 1 Midterm Examinations

March

- 2 Postmark Deadline for FAFSA and GPA Verification Form (Cal Grant)
- 8 Last Day to Withdraw from a Class with "W" (no refund)*
- 18-22 Spring Break (no classes)

April

- 19 Good Friday Holiday (no classes, offices closed)
- 20-22 Easter Observance (classes resume at 4:00pm on the 22nd, offices closed)
- 23 Offices Open
- 23-27 Final Examinations
- 30 Semester Closes
- 30-May 2 Commencement Exercises

Term 1

January

- 3 Semester Payment Due Date
- 7 Classes Begin* - Term 1
- 14 Last Day to Add a Class for Credit* - Term 1
- 21 Martin Luther King Holiday (no classes, offices closed)
- 22 Last Day to Drop a Class with Refund* - Term 1

February

- 4 Last Day to Withdraw from a Class with "W" (no refund)* - Term 1

March

- 2 Term 1 Closes

Term 2

January

- 3 Semester Payment Due Date

March

- 4 Classes Begin* - Term 2
- 11 Last Day to Add a Course for Credit* - Term 2
- 18 Last Day to Drop a Course with Refund* - Term 2

April

- 1 Last Day to Withdraw from a Course with "W" (no refund)* - Term 2
- 19 Good Friday Holiday (no classes, offices closed)
- 20-22 Easter Observance (classes resume at 4:00pm on the 22nd, offices closed)
- 23 Offices Open
- 27 Term 2 Closes

* For courses with alternate begin and end dates, please see InsideCBU for alternate add, drop and withdraw dates. For Online and Professional Studies semester dates, please refer to the 2018-2019 Online and Professional Studies Calendar.

Summer Semester 2019

Traditional Semester

May

- 6 Semester Payment Due Date
- 6 Classes Begin* - Traditional Semester
- 13 Last Day to Add a Class for Credit* - Traditional Semester
- 20 Last Day to Drop a Class with Refund* - Traditional Semester
- 27 Memorial Day Holiday (no classes, offices closed)

June

- 3 Graduation Application Deadline for Summer 2019 graduation
- 29 Last Day to Withdraw from a Class with "W" (no refund)* - Traditional Semester

July

- 4 Independence Day Holiday (no classes, offices closed)

August

- 16 Traditional Semester Closes
- 22 Commencement Exercises

Term 1

May

- 6 Semester Payment Due Date
- 6 Classes Begin* - Term 1
- 13 Last Day to Add a Class for Credit*- Term 1
- 20 Last Day to Drop a Class with Refund* - Term 1
- 27 Memorial Day Holiday (no classes, offices closed)

June

- 3 Last Day to Withdraw from a Class with "W" (no refund)* - Term 1

29 Term 1 Closes

Term 2

May

6 Semester Payment Due Date

July

1 Classes Begin* - Term 2

4 Independence Day Holiday (no classes, offices closed)

8 Last Day to Add a Course for Credit* - Term 2

15 Last Day to Drop a Course with Refund* - Term 2

29 Last Day to Withdraw from a Course with "W" (no refund)* - Term 2

August

22 Commencement Exercises

24 Term 2 Closes

* For courses with alternate begin and end dates, please see InsideCBU for alternate add, drop and withdraw dates. For Online and Professional Studies semester dates, please refer to the 2018-2019 Online and Professional Studies Calendar.

2018-2019 Online and Professional Studies Calendar

Fall Semester 2018

Session 1

August

8 Semester Payment Due Date

September

3 Labor Day Holiday (no classes, offices open)

4 Classes Begin - Session 1 and Session 3

11 Last Day to Add a Course for Credit - Session 1 and Session 3

18 Last Day to Drop a Course with a Refund - Session 1 and Session 3

October

1 Graduation Application Deadline for Fall 2018 Graduation

2 Last Day to Withdraw from a Course with a "W" (no refund) - Session 1

28 Session 1 Closes

Session 2

October

29 Classes Begin - Session 2

November

2 Last Day to Withdraw from a Course with a "W" (no refund) - Session 3

5 Last Day to Add a Course for Credit - Session 2

12 Last Day to Drop a Course with a Refund - Session 2

21-25 Thanksgiving Holiday (no classes, offices closed at 12:00 noon on the 20th)

26 Classes Resume, Offices Open

26 Last Day to Withdraw from a Course with a "W" (no refund) - Session 2

December

- 12 Commencement Exercises
- 20 Offices Closed (December 20 - January 1)
- 22 Semester Closes - Session 2 and Session 3
- 24-Jan 6 Christmas and New Year's Holidays (no classes)

Spring Semester 2019

Session 1

January

- 2 Offices Open
- 3 Semester Payment Due Date
- 7 Classes Begin - Session 1 and Session 3
- 14 Last Day to Add a Course for Credit - Session 1 and Session 3
- 21 Martin Luther King Jr. Holiday (no classes, offices closed)
- 22 Last Day to Drop a Course with a Refund - Session 1 and Session 3

February

- 1 Graduation Application Deadline for Spring 2019 Graduation
- 4 Last Day to Withdraw from a Course with a "W" (no refund) - Session 1

March

- 3 Session 1 Closes

Session 2

March

- 4 Postmark Deadline for FAFSA and GPA Verification Form (Cal Grant)
- 4 Classes Begin - Session 2
- 8 Last Day to Withdraw from a Course with a "W" (no refund) - Session 3
- 11 Last Day to Add a Course for Credit - Session 2
- 18 Last Day to Drop a Course with a Refund - Session 2

April

- 1 Last Day to Withdraw from a Course with a "W" (no refund) - Session 2
- 19 Good Friday Holiday (classes in session, offices closed)
- 20-22 Easter Observance (classes in session, offices closed)
- 23 Offices Open
- 28 Semester Closes - Session 2 and Session 3

30-May 2 Commencement Exercises

Summer Semester 2019

Session 1

May

- 6 Semester Payment Due Date
- 6 Classes Begin - Session 1 and Session 3
- 13 Last Day to Add a Course for Credit - Session 1 and Session 3
- 20 Last Day to Drop a Course with a Refund - Session 1 and Session 3
- 27 Memorial Day Holiday (no classes, offices closed)

June

- 3 Graduation Application Deadline for Summer 2019 Graduation
- 3 Last Day to Withdraw from a Course with a "W" (no refund) - Session 1
- 30 Session 1 Closes

Session 2

July

- 1 Classes Begin - Session 2
- 4 Independence Day Holiday (no classes, offices closed)
- 5 Last Day to Withdraw from a Course with a "W" (no refund) - Session 3
- 8 Last Day to Add a Course for Credit - Session 2
- 15 Last Day to Drop a Course with a Refund - Session 2
- 29 Last Day to Withdraw from a Course with a "W" (no refund) - Session 2

August

- 22 Commencement Exercises
- 25 Semester Closes - Session 2 and Session 3

2018-2019 Traditional Final Examination Schedule

Fall Semester 2018

Thursday, December 6

7:00 - 9:00	All	7:00 - 8:30	Tuesday, Thursday and Tuesday Hybrid classes
9:30 - 11:30	All	10:30 - 12:00	Tuesday, Thursday and Tuesday Hybrid classes
12:00 - 2:00	All	2:00 - 3:30	Tuesday, Thursday and Tuesday Hybrid classes
2:30 - 4:30	All	3:45 - 5:15	Tuesday, Thursday and Tuesday Hybrid classes

Friday, December 7

7:00 - 9:00	All	7:00 - 8:00	Monday, Wednesday, Friday and Monday Hybrid classes
9:30 - 11:30	All	9:30 - 10:30	Monday, Wednesday, Friday and Monday Hybrid classes
12:00 - 2:00	All	12:00 - 1:00	Monday, Wednesday, Friday and Monday Hybrid classes
2:30 - 4:30	All	3:45 - 4:45	Monday, Wednesday, Friday and Monday Hybrid classes

Saturday, December 8

TBD	All	TBD	Wednesday Hybrid and Thursday Hybrid classes*
-----	-----	-----	---

Monday, December 10

7:00 - 9:00	All	8:15 - 9:15	Monday, Wednesday, Friday and Monday Hybrid classes
9:30 - 11:30	All	10:45 - 11:45	Monday, Wednesday, Friday and Monday Hybrid classes
12:00 - 2:00	All	1:15 - 2:15	Monday, Wednesday, Friday and Monday Hybrid classes

Tuesday, December 11

7:00 - 9:00	All	8:45 - 10:15	Tuesday, Thursday and Tuesday Hybrid classes
9:30 - 11:30	All	12:15 - 1:45	Tuesday, Thursday and Tuesday Hybrid classes
12:00 - 2:00	All	2:30 - 3:30	Monday, Wednesday, Friday and Monday Hybrid classes

Spring Semester 2019

Tuesday, April 23

7:00 - 9:00	All	7:00 - 8:30	Tuesday, Thursday and Thursday Hybrid classes
9:30 - 11:30	All	10:30 - 12:00	Tuesday, Thursday and Thursday Hybrid classes
12:00 - 2:00	All	2:00 - 3:30	Tuesday, Thursday and Thursday Hybrid classes
2:30 - 4:30	All	3:45 - 5:15	Tuesday, Thursday and Thursday Hybrid classes

Wednesday, April 24

7:00 - 9:00	All	7:00 - 8:00	Monday, Wednesday, Friday and Wednesday Hybrid classes
9:30 - 11:30	All	9:30 - 10:30	Monday, Wednesday, Friday and Wednesday Hybrid classes
12:00 - 2:00	All	12:00 - 1:00	Monday, Wednesday, Friday and Wednesday Hybrid classes
2:30 - 4:30	All	3:45 - 4:45	Monday, Wednesday, Friday and Wednesday Hybrid classes

Thursday, April 25

7:00 - 9:00	All	8:45 - 10:15	Tuesday, Thursday and Thursday Hybrid classes
9:30 - 11:30	All	12:15 - 1:45	Tuesday, Thursday and Thursday Hybrid classes
12:00 - 2:00	All	2:30 - 3:30	Monday, Wednesday, Friday and Wednesday Hybrid classes

Friday, April 26

7:00 - 9:00	All	8:15 - 9:15	Monday, Wednesday, Friday and Wednesday Hybrid classes
9:30 - 11:30	All	10:45 - 11:45	Monday, Wednesday, Friday and Wednesday Hybrid classes
12:00 - 2:00	All	1:15 - 2:15	Monday, Wednesday, Friday and Wednesday Hybrid classes

Saturday, April 27

TBD	All	TBD	Monday Hybrid and Tuesday Hybrid classes*
-----	-----	-----	---

* Hybrid courses with an examination time of TBD may be scheduled on the designated Saturday or an alternate exam weekday, see InsideCBU for assigned examination times. Examinations for courses with meeting patterns in the evening will be given during the final examination week at the time the class regularly meets. Courses with other meeting patterns *may* have a final exam scheduled during another week or alternative arranged time.

2019-2020 Traditional Calendars (Proposed)

Fall Semester 2019

Traditional Semester

August

7 Semester Payment Due Date

September

2 Labor Day Holiday (offices open)

3 Classes Begin*

10 Last Day to Add a Class for Credit*

17 Last Day to Drop a Class with Refund*

17 Last Day to Turn in Credit/No Credit Request

October

1 Graduation Application Deadline for Fall 2019 graduation

14-18 Midterm Examinations

25 Last Day to Withdraw from a Class with "W" (no refund)*

November

25-29 Thanksgiving Holiday (no classes, offices closed at 12:00 noon on the 26th)

December

2 Classes Resume, Offices Open

5-10 Final Examinations

10 Semester Closes

12-13 Commencement Exercises

13 Christmas Holiday Begins

20 Offices Closed (December 20 - January 1)

Term 1

August

7 Semester Payment Due Date

September

3 Classes Begin* - Term 1

10 Last Day to Add a Class for Credit* - Term 1

17 Last Day to Drop a Class with Refund* - Term 1

October

1 Last Day to Withdraw from a Class with "W" (no refund)* - Term 1

26 Term 1 Closes

Term 2

August

7 Semester Payment Due Date

October

28 Classes Begin* - Term 2

November

4 Last Day to Add a Course for Credit* - Term 2

11 Last Day to Drop a Course with Refund* - Term 2

25 Last Day to Withdraw from a Course with "W" (no refund)* - Term 2

28-29 Thanksgiving Holiday (no classes, offices closed at 12:00 noon on the 26th)

December

2 Classes Resume, Offices Open

21 Term 2 Closes

* For courses with alternate begin and end dates, please see InsideCBU for alternate add, drop and withdraw dates. For Online and Professional Studies semester dates, please refer to the 2019-2020 Online and Professional Studies Calendars (Proposed).

Spring Semester 2020

Traditional Semester

January

- 2 Offices Open
- 6 Semester Payment Due Date
- 8 Classes Begin*
- 15 Last Day to Add a Class for Credit*
- 20 Martin Luther King Jr. Holiday (no classes, offices closed)
- 22 Last Day to Drop a Class with Refund*
- 22 Last Day to Turn in Credit/No Credit Request

February

- 3 Graduation Application Deadline for Spring 2020 graduation
- 24-28 Midterm Examinations

March

- 2 Postmark Deadline for FAFSA and GPA Verification Form (Cal Grant)
- 6 Last Day to Withdraw from a Class with "W" (no refund)*
- 16-20 Spring Break (no classes)

April

- 10 Good Friday Holiday (no classes, offices closed)
- 11-13 Easter Observance (classes resume at 4:00pm on the 13th, offices closed)
- 14 Offices Open
- 23-28 Final Examinations
- 28 Semester Closes
- 29-May 2 Commencement Exercises

Term 1

January

- 6 Semester Payment Due Date
- 6 Classes Begin* - Term 1
- 13 Last Day to Add a Class for Credit* - Term 1
- 20 Martin Luther King Holiday (no classes, offices closed)
- 21 Last Day to Drop a Class with Refund* - Term 1

February

- 3 Last Day to Withdraw from a Class with "W" (no refund)* - Term 1
- 29 Term 1 Closes

Term 2

January

- 6 Semester Payment Due Date

March

- 2 Classes Begin* - Term 2
- 9 Last Day to Add a Course for Credit* - Term 2
- 16 Last Day to Drop a Course with Refund* - Term 2
- 30 Last Day to Withdraw from a Course with "W" (no refund)* - Term 2

April

- 10 Good Friday Holiday (no classes, offices closed)
- 11-13 Easter Observance (classes resume at 4:00pm on the 13th, offices closed)
- 14 Offices Open
- 25 Term 2 Closes

* For courses with alternate begin and end dates, please see InsideCBU for alternate add, drop and withdraw dates. For Online and Professional Studies semester dates, please refer to the 2019-2020 Online and Professional Studies Calendars (Proposed).

Summer Semester 2020

Traditional Semester

May

- 4 Semester Payment Due Date
- 4 Classes Begin* - Traditional Semester
- 11 Last Day to Add a Class for Credit* - Traditional Semester
- 18 Last Day to Drop a Class with Refund* - Traditional Semester
- 25 Memorial Day Holiday (no classes, offices closed)

June

- 1 Graduation Application Deadline for Summer 2020 graduation
- 27 Last Day to Withdraw from a Class with "W" (no refund)* - Traditional Semester

July

- 3 Independence Day Holiday (no classes, offices closed)

August

- 14 Traditional Semester Closes
- 20 Commencement Exercises

Term 1

May

- 4 Semester Payment Due Date
- 4 Classes Begin* - Term 1
- 11 Last Day to Add a Class for Credit*- Term 1
- 18 Last Day to Drop a Class with Refund* - Term 1
- 25 Memorial Day Holiday (no classes, offices closed)

June

- 1 Last Day to Withdraw from a Class with "W" (no refund)* - Term 1
- 27 Term 1 Closes

Term 2

May

4 Semester Payment Due Date

June

29 Classes Begin* - Term 2

July

3 Independence Day Holiday (no classes, offices closed)

6 Last Day to Add a Course for Credit* - Term 2

13 Last Day to Drop a Course with Refund* - Term 2

27 Last Day to Withdraw from a Course with "W" (no refund)* - Term 2

August

20 Commencement Exercises

22 Term 2 Closes

* For courses with alternate begin and end dates, please see InsideCBU for alternate add, drop and withdraw dates. For Online and Professional Studies semester dates, please refer to the 2019-2020 Online and Professional Studies Calendars (Proposed).

2019-2020 Online and Professional Studies Calendars (Proposed)

Fall Semester 2019

Session 1

August

- 7 Semester Payment Due Date

September

- 2 Labor Day Holiday (no classes, offices open)
- 3 Classes Begin - Session 1 and Session 3
- 10 Last Day to Add a Course for Credit - Session 1 and Session 3
- 17 Last Day to Drop a Course with a Refund - Session 1 and Session 3

October

- 1 Graduation Application Deadline for Fall 2019 Graduation
- 1 Last Day to Withdraw from a Course with a "W" (no refund) - Session 1
- 27 Session 1 Closes

Session 2

October

- 28 Classes Begin - Session 2

November

- 1 Last Day to Withdraw from a Course with a "W" (no refund) - Session 3
- 4 Last Day to Add a Course for Credit - Session 2
- 11 Last Day to Drop a Course with a Refund - Session 2
- 25 Last Day to Withdraw from a Course with a "W" (no refund) - Session 2
- 28-Dec 1 Thanksgiving Holiday (no classes, offices closed at 12:00 noon on the 26th)

December

- 2 Classes Resume, Offices Open

- 12-13 Commencement Exercises
- 20 Offices Closed (December 20 - January 1)
- 22 Semester Closes - Session 2 and Session 3
- 23-Jan 5 Christmas and New Year's Holidays (no classes)

Spring Semester 2020

Session 1

January

- 2 Offices Open
- 6 Semester Payment Due Date
- 6 Classes Begin - Session 1 and Session 3
- 13 Last Day to Add a Course for Credit - Session 1 and Session 3
- 20 Martin Luther King Jr. Holiday (no classes, offices closed)
- 21 Last Day to Drop a Course with a Refund - Session 1 and Session 3

February

- 3 Graduation Application Deadline for Spring 2020 Graduation
- 3 Last Day to Withdraw from a Course with a "W" (no refund) - Session 1

March

- 1 Session 1 Closes
- 2 Postmark Deadline for FAFSA and GPA Verification Form (Cal Grant)

Session 2

March

- 2 Classes Begin - Session 2
- 6 Last Day to Withdraw from a Course with a "W" (no refund) - Session 3
- 9 Last Day to Add a Course for Credit - Session 2
- 16 Last Day to Drop a Course with a Refund - Session 2
- 30 Last Day to Withdraw from a Course with a "W" (no refund) - Session 2

April

- 10 Good Friday Holiday (classes in session, offices closed)
- 11-13 Easter Observance (classes in session, offices closed)
- 14 Offices Open
- 26 Semester Closes - Session 2 and Session 3

30-May 2 Commencement Exercises

Summer Semester 2020

Session 1

May

- 4 Semester Payment Due Date
- 4 Classes Begin - Session 1 and Session 3
- 11 Last Day to Add a Course for Credit - Session 1 and Session 3
- 18 Last Day to Drop a Course with a Refund - Session 1 and Session 3
- 25 Memorial Day Holiday (no classes, offices closed)

June

- 1 Graduation Application Deadline for Summer 2020 Graduation
- 1 Last Day to Withdraw from a Course with a "W" (no refund) - Session 1
- 28 Session 1 Closes

Session 2

June

- 29 Classes Begin - Session 2

July

- 3 Independence Day Holiday (no classes, offices closed)
- 6 Last Day to Withdraw from a Course with a "W" (no refund) - Session 3
- 6 Last Day to Add a Course for Credit - Session 2
- 13 Last Day to Drop a Course with a Refund - Session 2
- 27 Last Day to Withdraw from a Course with a "W" (no refund) - Session 2

August

- 20 Commencement Exercises
- 23 Semester Closes - Session 2 and Session 3

President's Message

Dr. Ronald L. Ellis

President

Ms. Janie Armentrout

Administrative Assistant to the President

Phone 951.343.4210

FAX 951.343.4511

Dear Friend:

Welcome to California Baptist University! I look forward to greeting you personally when the opportunity permits, but for now allow me to congratulate you for deciding to pursue your educational goals at CBU and to thank you for trusting us to help you reach those goals.



Since 1950, students have chosen California Baptist University for the caring personal attention they receive and for high quality academic programs taught by faculty members who recognize the importance of spiritual development as well as intellectual growth.

CBU remains faithful to the Christian values and principles found in the Great Commission, Christ's challenge to his followers found in Matthew 28:19-20:

"Go ye therefore and teach all nations, baptizing them in the name of the Father, and of the Son, and of the Holy Ghost, teaching them to observe all things whatsoever I have commanded you; and lo, I am with you always, even unto the end of the world."

At CBU, we work hard to fulfill this commandment by integrating faith and learning and by offering a wide range of opportunities for service. Throughout Southern California and around the world, we are gaining a reputation to match our vision of "a University Committed to the Great Commission."

For many students, the decision to share the CBU experience marks the first step in a long-term relationship. We trust it will be a positive and rewarding experience for you. This is an exciting time to be part of the CBU community and we are genuinely pleased that you are here.

Once again, welcome to California Baptist University and may the Lord continue to bless!

Your brother in Christ,

Ronald L. Ellis, Ph.D.

President

The University

History

On September 18, 1950, the Los Angeles Southern Baptist Association opened the doors of California Baptist College in El Monte to students who came seeking a liberal arts education in a Christian environment. The college began operations with 42 students in Fall 1950; 120 were enrolled during the 1950-51 academic year.

In 1955, after four years of continued growth, the college relocated to larger facilities in Riverside. Growth in all areas paved the way for the institution to become a university on September 25, 1998.

Location and Environment

Riverside is located in the Los Angeles Basin, sixty miles east of downtown L.A. Freeways lead into Riverside from every direction, and the area is served by international airports in nearby Ontario and Los Angeles.

California Baptist University is surrounded by cultural and scientific opportunities for student of all interests, and the proximity of other colleges and universities makes possible inter-library and inter-cultural exchanges.

Mission Statement

The primary purpose of this corporation is to conduct regular four-year college courses in education, music, sciences and the liberal arts, and to grant certificates, diplomas and any and all degrees evidencing completion of any course of training, together with any and all honorary degrees and to provide training for Baptist youth and others desiring to be affiliated with Baptist theology and theological instruction and such other instruction as may be needful and advantageous in preparing and qualifying ministers and others for Christian work.¹

Philosophy Statement

California Baptist University is a Christian liberal arts institution founded by Southern Baptists to serve the world. As such, the university community provides an accepting, caring Christian atmosphere in which the growth of individuals is enhanced by spiritual formation, personal development, vocational preparation, and a sound, academic, liberating education. In the midst of the pursuit of truth, individuals are encouraged to investigate, practice, and refine their aesthetic, moral, social, and spiritual values in order to prepare themselves to make substantial contributions to the cause of Christ as skilled professionals, thinking citizens, and educated persons.

Goals

To implement its philosophy, the university strives:

1. To reflect, in life and thought, historic Southern Baptist principles, such as:
 - a. The Lordship of Jesus Christ.
 - b. The competency of the individual soul before God.
 - c. The Scriptures as the authoritative guide for doctrine and practice.
 - d. The separation of Church and State.
 - e. The autonomy of the local church.
2. To help students observe and interact with a community that effectively models Christian characteristics and values.

3. To offer a selection of programs that will attract a wide range of qualified students.
4. To encourage a free exchange of ideas by providing a wide variety of spiritual, intellectual, cultural, and social learning experiences both within and outside the classroom.
5. To encourage high standards of scholarship.
6. To provide support for students experiencing academic and personal difficulties.
7. To encourage each member of the university community to be involved in a lifelong, personal Christian pilgrimage.
8. To enable its educators to engage in continuing professional development.
9. To develop mature individuals of genuine Christian character who can contribute to churches and effect changes in society for its betterment.
10. To develop specific leadership for the churches and general work of the Southern Baptist Convention.

University Student Outcomes

California Baptist University desires that each student acquire certain knowledge, skills, values, and aspirations during their collegiate experience. The University seeks to provide academic programs that prepare students for professional careers, as well as co-curricular programs that foster an environment supporting the intellectual, physical, social and spiritual development of each student. Within these arenas of the student experience, the University, through its faculty and administration, has identified student outcomes as desirable and reflective of the impact it seeks to have in the lives of its students.

Upon completion of a degree program, each student at California Baptist University shall be:

Biblically Rooted

- Demonstrate spiritual literacy, including Biblical Christian faith and practice, Baptist perspectives, and the Christian's role in fulfilling the Great Commission.

Globally Minded

- Respect diverse religious, cultural, philosophical, and aesthetic experiences and perspectives.

Academically Prepared

- Use critical thinking skills to demonstrate literacy: listening, speaking, writing, reading, viewing, and visual representing.
- Demonstrate competence in mathematical, scientific and technological skills.

Equipped to Serve

- Transfer academic studies to a profession and the workplace.
- Implement a personal and social ethic that results in informed participation in multiple levels of community.

Council for Christian Colleges & Universities

California Baptist University is a member of the Council for Christian Colleges & Universities, a consortium of 109 private liberal arts Christian colleges and universities in North America and 75 affiliate institutions in 24 countries. Membership in CCCU provides CBU students access to numerous off-campus learning opportunities: an American Studies program in Washington, D.C.; a Contemporary Music Program, a Latin American studies program in Costa Rica; the Los Angeles Film Studies Center; the Washington Journalism Center; and an increasing number of overseas travel programs.

American Studies Program (ASP)

Founded in 1976, the American Studies Program has served hundreds of students from member institutions as a "Washington, D.C. campus." ASP uses Washington as a stimulating educational laboratory where collegians gain hands-on experience with an internship in their chosen field. Internships are tailored to fit the student's talents and aspirations and are available in a wide range of fields. They also explore pressing national and international issues in public policy seminars that are issue-oriented, interdisciplinary and led by ASP faculty and Washington professionals. Through interdisciplinary reflection on public life and vocation, practical marketplace experiences and community living, the purpose of the program is to create an atmosphere for students: first, to develop an appreciation for how the integral character of biblical faith relates to thinking critically about public policy and marketplace issues, and second, to nurture a desire to take up responsible Christ-centered service in their personal and public vocations, whatever their career paths or walks of life. The mission of the program is to help students gain an integral biblical faith for thinking critically about public affairs and for responding faithfully in vocational service.

China Studies Program (CSP)

The China Studies Program introduces students to the diversity of China, including Hong Kong, Beijing, Shanghai, Xi'an and Xiamen. This interdisciplinary, cross-cultural program enables students to deal with this increasingly important part of the world in an informed, Christ-centered way.

Contemporary Music Program (CMP)

The Contemporary Music Program provides students the opportunity to live and work in community while seeking to understand how God will have them integrate music, faith and business. Both interdisciplinary and multidisciplinary in nature, the CMP offers two tracks: the Artist Track and the Executive Track. The Artist Track is tailored to students considering careers as vocalists, musicians, songwriters, recording artists, performers, producers, and recording engineers. The Executive Track is designed for business, arts management, marketing, communications and other majors interested in possible careers as artist managers, agents, record company executives, music publishers, concert promoters and entertainment industry entrepreneurs. Both Artist and Executive track students receive instruction, experience and a uniquely Christian perspective on creativity and the marketplace, while working together to create and market a recording of original music. Both tracks include course work, labs, directed study and a practicum.

Latin American Studies Program (LASP)

Students of CCCU colleges have the opportunity to live and learn in Latin America through the Latin American Studies Program based in San Jose, Costa Rica. The program introduces students to as wide a range of experiences through the study of the language, literature, culture, politics, history, economics, ecology and religion of the region. Living with a Costa Rican family, students experience and become a part of the day-to-day lives of typical Latin Americans. Students also take part in a service opportunity and travel for three weeks to nearby Central American nations. Students participate in one of four concentrations: Latin American Studies; Advanced Language and Literature; International Business and Management; and Tropical Sciences.

Los Angeles Film Studies Center (LAFSC)

The Los Angeles Film Studies Center is designed to train students of CCCU member institutions to serve in various aspects of the film industry with both professional skill and Christian integrity. Students live, learn and work in the L.A. area near major motion picture studios. The curriculum consists of two required seminars focusing on the role of film in culture and the relationship of faith to work in this very influential industry. In addition, students choose two elective courses from a variety of offerings in film studies. Internships in various segments of the film industry provide

students with hands-on experience. The combination of the internship and seminars allow students to explore the film industry within a Christian context and from a liberal arts perspective.

Middle East Studies Program (MESP)

This program, based in Cairo, Egypt, allows Council students to explore and interact with the complex and strategic world of the modern Middle East. The interdisciplinary seminars give students the opportunity to explore the diverse religious, social, cultural and political traditions of Middle Eastern people. MESP encourages and equips students to relate to the Muslim world in an informed, constructive and Christ-centered manner at a time of tension and change.

Russian Studies Program (RSP)

RSP students are exposed to the depth and diversity of the culture during a semester spent in Russia's three largest cities: Moscow, St. Petersburg and Nizhni Novgorod. In addition to three seminar courses students receive instruction in the Russian Language. Students also participate in a service opportunity in Nizhni Novgorod.

Scholars Semester in Oxford

Honors and other highly qualified students have the exciting opportunity to study in England through this interdisciplinary semester in Oxford. The rigorous academic program, aimed at increasing critical thinking skills and scholarship from an integrated Christian perspective, allows participants to choose from a wide variety of tutorial study programs in numerous disciplines, including the arts, religion, history, literature and philosophy.

Summer Programme - CMRS, Oxford

This programme is designed to enable students to gain a more comprehensive understanding of the relationship between Christianity and Culture and to do specialized work under Oxford academics. The challenges are many, the work intense, the material difficult and the culture unique. But the opportunity - to study in the Bodleian library, worship in Christchurch Cathedral, and debate interesting topics with world-renowned scholars, is beyond comprehension.

Uganda Studies Program - Uganda Christian University

This program offers students the opportunity to study at one of the best private institutions in East Africa. While students have many diverse opportunities to interact with peers and local Ugandans, classes give students a chance to learn the culture of the people who will be hosts, neighbors and friends for the semester. Students choose courses which deal with different aspects of African culture including history, politics, religions, and literature. Throughout the semester, students explore issues of cross cultural life and use the unique perspective of living in Uganda to take a fresh look at our American Christianity.

Washington Journalism Center

This program is an advanced, experiential semester on Capital Hill that will cultivate professional news skills and encourage students to think through the implications of being a Christian working in the news media in a city that is home to the powerful and the powerless. This mission of the program is for students to grow through the practice of real-world journalism. Students will function as professional journalists living and working in the city and be required to meet deadlines and hold to industry-level standards of quality. Students will also gain understanding by serving. Students live in the homes of Washington D.C. residents and address the real human needs that are so prevalent in this city.

Educational Standings

California Baptist University is incorporated under the laws of the State of California as a university of arts and sciences authorized to grant the degrees of Associate of Science, Bachelor of Applied Theology, Bachelor of Arts, Bachelor of Computer Science, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Science, Bachelor of Science in Biomedical Engineering, Bachelor of Science in Chemical Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical and Computer Engineering, Bachelor of Science in Engineering, Bachelor of Science in Industrial and Systems Engineering, Bachelor of Science in Mechanical Engineering, Bachelor of Science in Nursing, Bachelor of Science in Software Engineering, Master of Architecture, Master of Arts, Master of Business Administration, Master of Music, Master of Public Administration, Master of Public Health, Master of Science, Master of Science in Nursing, Master of Social Work, Doctor of Business Administration, Doctor of Nursing Practice, Doctor of Psychology and Doctor of Public Administration.

California Baptist University is accredited by the Western Association of Schools and Colleges Senior College and University Commission (WSCUC)* and abides by WSCUC Policy on Substantive Change and the Policy on Distance and Technology-Mediated Instruction. The School of Business and the Division of Online and Professional Studies is accredited by the Accreditation Council for Business Schools and Programs (ACBSP); the School of Music is accredited by the National Association of Schools of Music (NASM); through the School of Behavioral Sciences the counseling psychology degree program is accredited by the Board of Behavioral Sciences (BBS); through the College of Engineering the chemical engineering, civil engineering, mechanical engineering, and electrical and computer engineering degree programs are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> and the construction management program is accredited through the American Council for Construction Education (ACCE); through the Department of Kinesiology the athletic training program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE); through the College of Nursing the nursing programs are accredited by the Commission on Collegiate Nursing Education (CCNE).

California Baptist University is approved for teacher education by the State of California Commission on Teacher Credentialing and approved by the California Board of Registered Nursing for baccalaureate and entry level master programs in registered nursing.

The University also holds memberships in the Association of Independent California Colleges and Universities, the International Association of Baptist Colleges and Universities, the Council for Christian Colleges & Universities, the Service Members Opportunity Colleges, and the American Association of Hispanics in Higher Education.

Graduates of California Baptist University are earning advanced degrees in leading colleges, universities, and seminaries of the United States. All women graduates are eligible for membership in the American Association of University Women. Accreditation letters may be viewed in the Office of the Provost.

¹ Articles of Incorporation of The California Baptist College, 1954.

* Western Association of Schools & Colleges Senior College and University Commission

Senior College & University Commission
985 Atlantic Avenue, Suite 100
Alameda, CA 94501

Phone: 510.748.9001
Fax: 510.748.9797
Web Site: www.wascsenior.org

Bachelor Degree Requirements for Traditional Programs

Traditional Program General Education Requirements Bachelor Degree

Competency Requirements	0-15 Units
Composition (ENG 113)	0-3
Mathematics (MAT 115, MAT 123, or SAT II Math 1C score of 550)	0-3
Technology coursework or approved high school technology course	0-3
Two semesters of the same college level foreign language or two years of the same high school foreign language with grades of B- or higher or SAT II Foreign Language score of 600	0-6
Foundations	7 Units
Intermediate Composition (ENG 123)	3
Lab Science	4
Biblical and Theological Core	9 Units
Christian Studies	6
ISP/Christian Studies	3
Natural World (no more than 4 units in one area)	6 Units
Natural Worldview (WLD 121)	3
Biological Science	3
Chemical Sciences	3
Health Science	3
Kinesiology	3
Mathematics	3
Physical Science	3
Social World (no more than 3 units in one area)	6 Units
Social Worldview (WLD 141)	3
Communication Studies	3
Behavioral Science	3
Political World (no more than 3 units in one area)	6 Units
Political Worldview (WLD 161)	3

Political Science	3
History	3
Cultural World (no more than 3 units in one area)	6 Units
Cultural Worldview (WLD 181)	3
Art or Music	3
English and Literature	3
Philosophy	3
Total General Education Units	40-55

- Courses may not double count in the general education, but may be applied to a major, minor or concentration

- General education requirements are waived, with the exception of the Biblical and Theological Core (CST) and two semesters of English composition (ENG 113, ENG 123) for individuals transferring to CBU with a CSU General Education Breadth or IGETC certified associate's degree

Bachelor Degree Requirements for Online and Professional Studies

Online and Professional Studies General Education Requirements

Foundations	12-15 Units
Composition (ENG 113, ENG 123)	6
Mathematics (MAT 115, MAT 123, or higher)	3
Technology coursework or approved high school technology course	0-3
Philosophy	3
Behavioral Science	6 Units
Anthropology	
Christian Behavioral Science	
Leadership	
Psychology	
Social Work	
Sociology	
Biblical and Theological	6 Units
Overview of the Bible (CST 100)	3
Upper Division Christian Studies	3
Communication and Fine Arts	6 Units
Art	
Communication Arts	
Foreign Language	
Graphic Design	
Journalism	
Music	
Public Relations	
Theatre	
Humanities	6 Units

History

Humanities

Literature and Writing (higher than ENG 123)

Political Science

Natural Sciences

4 Units

Lab Science (required)

Health Science

Kinesiology

Science

Total General Education

Units 40-43

- Courses may not double count in the general education, but may be applied to a major, minor or concentration
- Students are required to enroll in the technology and composition requirements until successfully completed.
- General education requirements are waived, with the exception of the Biblical and Theological Core (CST) and two semesters of English composition (ENG 113, ENG 123) for individuals transferring to CBU with a CSU General Education Breadth or IGETC certified associate's degree

Associates Degree Requirements for Traditional Programs

Traditional Program General Education Requirements Associate Degree

Competency Requirements	0-6 Units
--------------------------------	------------------

Composition (ENG 113)	0-3
-----------------------	-----

Mathematics (MAT 115, MAT 123, or SAT II Math 1C score of 550)	0-3
--	-----

Core Curriculum	22 Units
------------------------	-----------------

Behavioral Science	3
--------------------	---

ENG 123	3
---------	---

Communication Arts	3
--------------------	---

Art or Music	3
--------------	---

History, Philosophy, Political Science	3
--	---

Lab Science	4
-------------	---

Christian Studies	3
-------------------	---

Total General Education	Units 22-28
--------------------------------	--------------------

- Courses may not double count for core curriculum categories, but they may be applied to a major, minor or concentration as well as the core curriculum

Graduation Check List

- Complete at least 60 semester units of credit
- Complete at least 30 units in residence at CBU
- Earn a cumulative grade point average of at least 2.0 overall with no grade below C- in the major field of study
- Complete all general education requirements
- Complete all coursework in a major as selected from the University Catalog
- Complete a graduation application for planned graduation date
- Satisfy all financial obligations
- Be in good academic standing (not suspended or academically disqualified) at the time of completion

Division of Academic Affairs

Dr. Charles D. Sands

Provost and Vice President for Academic Affairs

Ms. Claudia Valdez

Administrative Assistant

Phone 951.343.4213

FAX 951.343.4572

provostoffice@calbaptist.edu

Academic Affairs Division Contact Personnel

Mr. Mark Roberson

Dean, College of Architecture,

Visual Arts and Design

951.552.8652

maroberson@calbaptist.edu

Dr. Gayne Anacker

Dean, College of Arts and Sciences

951.343.4363

ganacker@calbaptist.edu

Dr. Jacqueline Gustafson

*Dean, College of Behavioral
and Social Sciences*

951.343.4487

kgustafson@calbaptist.edu

Dr. Anthony Donaldson

Dean, Gordon and Jill Bourns

College of Engineering

951.343.4841

adonaldson@calbaptist.edu

Dr. David Pearson

Dean, College of Health Science

951.343.4619

dpearson@calbaptist.edu

Dr. Karen Bradley

Dean, College of Nursing

951.343.4738

kbradley@calbaptist.edu

Dr. Andrea Scott

Dean, Dr. Robert K. Jabs

School of Business

951.343.4968

ascott@calbaptist.edu

Dr. Wayne Fletcher

Interim Dean, Dr. Bonnie G. Metcalf

School of Education

951.552.8175

wfletcher@calbaptist.edu

Dr. Joseph Bolin

Dean, Shelby and Ferne Collinsworth

School of Music

951.343.4251

jbolin@calbaptist.edu

Dr. Wayne Fletcher

Associate Provost, Academic Services

951.552.8175

wfletcher@calbaptist.edu

Dr. Tracy Ward

Associate Provost, Administration

951.343.4552

tward@calbaptist.edu

Dr. Elizabeth Morris

Associate Provost,

Educational Effectiveness

951.343.4925

emorris@calbaptist.edu

Dr. Jeffrey Barnes

Dean of Student Success

951.552.8639

jbarnes@calbaptist.edu

Mr. Keith Castillo

Director of Instructional Technology

951.552.8720

kcastillo@calbaptist.edu

Ms. Shawnn Koning

University Registrar

Dr. Christopher Morgan

Dean, School of Christian Ministries

951.343.4248

cmorgan@calbaptist.edu

951.343.4224

skoning@calbaptist.edu

College of Architecture, Visual Arts, and Design

Mr. Mark Roberson

Dean

Dr. Matthew Niermann

Associate Dean

Dr. Katherine Papineau

Assistant Dean

Ms. Karen Heinze

Administrative Secretary

Phone 951.552.8733

cavad@calbaptist.edu

Faculty Information

The College of Architecture, Visual Arts, and Design embraces the entire spectrum of design-oriented disciplines, all students will experience our interdisciplinary approach to learning that offers unique and unlimited opportunities for collaboration, inspiration, and most importantly, a deep and well-rounded education. And building on this broad foundation, the college is continually expanding our program offerings to ensure our students continue to receive the most innovative and comprehensive education.

Students also benefit from a practice-based approach that connects them directly with professional organizations throughout Southern California, exposing them to real business situations, and often allowing them to take part in the professional process through mentoring and internships. What makes the College of Architecture, Visual Arts, and Design truly unique is that we teach these programs from a Christian worldview, encouraging students to use their creative talents to engage and inspire the world around them.

National Architectural Accrediting Board

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit professional degree programs in architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted an eight-year, three-year, or two-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may require a preprofessional undergraduate degree in architecture for admission. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

The NAAB grants candidacy status to new programs that have developed viable plans for achieving initial accreditation. Candidacy status indicates that a program expects to achieve initial accreditation within six years of achieving candidacy, if its plan is properly implemented. In order to meet the education requirement set forth by the National Council of Architectural Registration Boards (NCARB), an applicant for an NCARB Certificate must hold a professional degree in architecture from a program accredited by the NAAB; the degree must have been awarded not more than two years prior to initial accreditation. However, meeting the education requirement for the NCARB Certificate may not be equivalent to meeting the education requirement for registration in a specific jurisdiction. Please contact NCARB for more information.

California Baptist University, College of Architecture, Visual Arts, and Design is in candidacy for accreditation of the following NAAB accredited degree program:

M. Arch. (168 semester units minimum): 2013
Next visit for accreditation: 2018
Projected year of initial accreditation: 2018

Major

Architecture, BA

The Architecture major creates a rich academic environment marked by the confluence of advanced practice, contemporary theory, and social engagement. Our primary goal is to help students develop the capacity and judgment necessary to understand the built environment and generate architecture as a critical response, so that each student can engage both the discipline of architecture and the multiple discourses - artistic, technological, social, political, environmental, economic, spiritual - necessary to be a successful practitioner and a conscientious citizen with a Biblical worldview.

Traditional Major Program Requirements (92 units)

The Bachelor of Arts in Architecture at CBU is intended as a degree that will allow a student to proceed onto graduate studies, or into the workforce, in architecture or another discipline. It is not designed to be an accredited, professional degree and therefore does not satisfy the qualifications for licensure as an architect in most states in the U.S.

Lower Division Requirements

- ARC 120 - Design Communication
- ARC 122 - Design Fundamentals
- ARC 210 - Design Studio I
- ARC 212 - Design Studio II
- ARC 220 - Computer Modeling
- ARC 240 - Architectural History I
- ARC 242 - Architectural History II
- ARC 280 - Materials and Methods
- ARC 280L - Materials and Methods Integration
- DES 110 - Design Thought Foundations I

- MAT 245 - Analytical Geometry and Calculus I **OR**
- MAT 145 - Mathematical Methods in the Natural Sciences

- PHY 115 - Physics for Architects with Lab

Upper Division Requirements

- ARC 310 - Design Studio III
- ARC 312 - Design Studio IV
- ARC 370 - Professional Preparation
- ARC 380 - Thermal Environmental Systems
- ARC 385 - Luminous and Sonic Environmental Systems
- ARC 393 - Structural Systems I

- ARC 393L - Structural Systems I Integration
- ARC 410 - Design Studio V
- ARC 480 - Advanced Sustainable Systems
- ARC 493 - Structural Systems II
- ARC 493L - Structural Systems II Integration
- ENT 357 - Small Business Management

Upper Division Elective Requirements

Complete six (6) units from the following:

- ARC 350 - Architectural Theory I
- ARC 400 - Special Topics in Architecture
- ARC 412 - Design Studio VI
- ARC 460 - International Design Seminar
- ARC 462 - International History and Theory Seminar
- DES 310 - Design Thought Practicum

Qualifications to Proceed to the Master of Architecture Degree

Students must meet the Qualification to Proceed to the Master of Architecture Degree requirements to declare and enroll in the graduate level of the Master of Architecture degree program. California Baptist University, College of Architecture, Visual Arts, and Design was granted candidacy for the Masters in Architecture professional degree program by the National Architectural Accrediting Board (NAAB). For additional NAAB accreditation information please see the College of Architecture, Visual Arts and Design section of the catalog.

All architecture students will be reviewed to proceed to the Master of Architecture during the fall semester prior to the year the student intends to proceed. Students must show satisfactory progress towards the Master of Architecture degree by completing or being in progress in the following courses with a minimum cumulative grade point average (GPA) of 2.75.

- ARC 120 - Design Communication
- ARC 122 - Design Fundamentals
- ARC 210 - Design Studio I
- ARC 212 - Design Studio II
- ARC 220 - Computer Modeling
- ARC 240 - Architectural History I
- ARC 242 - Architectural History II
- ARC 280 - Materials and Methods
- ARC 310 - Design Studio III
- ARC 312 - Design Studio IV
- ARC 370 - Professional Preparation
- ARC 380 - Thermal Environmental Systems
- ARC 385 - Luminous and Sonic Environmental Systems
- ARC 393 - Structural Systems I
- ARC 410 - Design Studio V
- ARC 460 - International Design Seminar
- ARC 462 - International History and Theory Seminar
- ARC 480 - Advanced Sustainable Systems

- ARC 493 - Structural Systems II
 - DES 110 - Design Thought Foundations I
 - DES 310 - Design Thought Practicum
 - ENT 357 - Small Business Management
-
- MAT 145 - Mathematical Methods in the Natural Sciences **OR**
 - MAT 245 - Analytical Geometry and Calculus I
-
- PHY 115 - Physics for Architects with Lab

Additionally

Students must also have completed the following courses prior to their progression into the Master of Architecture.

- ARC 350 - Architectural Theory I
- ARC 400 - Special Topics in Architecture
- ARC 412 - Design Studio VI

Note

Students who meet the qualifications will be approved to pursue the master's degree with the condition they make satisfactory progress by successfully completing fourth year program courses with a minimum 2.75 cumulative grade point average. All students who meet the qualifications will be conditionally notified of their status during the fall semester prior to the year they intend to progress, and will be able to continue to pursue the M. Arch track provided they maintain their qualified status for the duration.

Students who fail to meet minimum qualifications for the masters program by the time of review must meet with either the Dean (or Associate Dean) and Program Chair (or Program Director) as appointed to determine their qualification status and how best to proceed toward a degree completion.

If it is determined that the student does not qualify, or the student chooses not to progress to the Master of Architecture, he or she may choose to complete the non-accredited Bachelor of Arts in Architecture degree instead.

Master of Architecture Degree Requirements

- Complete all undergraduate graduation requirements
- Complete at least 168 semester units of credit, at least 39 of which must upper division (300 and 400 level courses) and at least 30 must be graduate level (500 level courses)
- Earn a cumulative grade point average of at least 2.75 overall
- Earn a cumulative grade point average of at least 3.0 in all graduate level courses
- Complete requirements with no grade below B- in the graduate level courses and no grade below C- in all other major field of study courses

Art Therapy Studies, BA

The pre-professional Art Therapy degree prepares students for graduate study in the field of Art Therapy or Counselling by fulfilling the undergraduate requirements for graduate school admission set forth by The American Art Therapy Association. Certified practitioners of Art Therapy integrate the practice of studio arts and the fields of human development with current theories and models of counseling.

Traditional Major Program Requirements (56-58 units)

Lower Division Requirements

- ART 201 - Principles of Design and Color
- ART 208 - Studio Drawing I
- DES 110 - Design Thought Foundations I
- PSY 213 - General Psychology
- STA 144 - Introduction to Statistics

Lower Division Studio Art Elective Requirements

Complete six to eight (6-8) units from the following:

- ART 203 - Printmaking I
- ART 207 - Watercolor I
- ART 225 - Sculpture I
- ART 226 - Sculpture II
- ART 232 - Ceramics I
- ART 283 - Painting I
- ILL 210 - Illustration I

Upper Division Requirements

- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality
- PSY 328 - Cognitive Psychology
- PSY 346 - Abnormal Psychology
- PSY 376 - Art Therapy

Upper Division Art Elective Requirements

Complete twelve (12) units from the following:

- ART 305 - Figure Drawing I
- ART 314 - Drawing II
- ART 353 - Ceramics II
- ART 383 - Painting II
- ART 405 - Figure Drawing II
- ART 414 - Drawing III
- ART 432 - Sculpture III
- ART 453 - Ceramics III

Upper Division Elective Requirements

Complete six (6) units from the following:

- PSY 305 - Developmental Psychology: Child **OR**

- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 422 - Theories of Counseling
- PSY 440 - Internship in Human Services
- PSY 443 - Social Psychology
- PSY 473 - Psychophysiology

Film, BA

Film is the most culturally influential artistic medium in our era. The Film major equips students both to understand film as a cultureshaping force and to pursue diverse careers in the entertainment industry. Students choose one of three concentrations: Film Production, Screenwriting, or Film Analysis and Industry. Film majors develop valuable technical knowledge and experience as well as sharp critical thinking skills and significant audio-visual literacy. In a world that increasingly relies on visual information, a comprehension of how meaning grows out of the moving image is indispensable to a deeper social and cultural understanding. Our majors have the opportunity to learn how to apply this knowledge to filmmaking by creating high quality films on state-of-the-art equipment, writing screenplays and teleplays, and exploring the best of global cinema.

Traditional Major Program Requirements (45-46 units)

Lower Division Requirements

- DES 110 - Design Thought Foundations I
- FLM 105 - Introduction to Film
- FLM 150 - Film History
- FLM 250 - Film Theory and Criticism

Upper Division Requirements

- FLM 350 - Film and Literature
- FLM 450 - World Cinema
- FLM 499 - Senior Capstone Project

Upper Division Elective Requirement

Complete three (3) units from the following:

- FLM 430 - Film and Sound
- FLM 470 - Adaptation and Intertextuality

Concentration Courses (21-22 units)

Students must complete all requirements in one of the following concentrations: Film Analysis and Industry; Film Production; Film Production: LAFSC; Screenwriting

Film Analysis and Industry (21 units)

Core Requirements

- FLM 340 - Major Directors
- FLM 420 - Independent Film and Counter-Cinema

Elective Requirements

Complete fifteen (15) additional units, of which six (6) must be upper division, from the following:

- ART 385 - Film as Visual Art
- DES 310 - Design Thought Practicum
- FLM 200 - Special Topics in Film
- FLM 210 - Film Genre
- FLM 300 - National Cinema
- FLM 301 - Basic Screenwriting
- FLM 302 - Writing Short Screenplays
- FLM 303 - Asian Cinema
- FLM 305 - Christianity and Film
- FLM 400 - Special Topics in Film
- FLM 403 - Writing Adapted Screenplays
- FLM 420 - Independent Film and Counter-Cinema
- FLM 491 - Film Practicum
- FLP 170 - Basic Production: Visual Storytelling
- FLP 306 - Intermediate Production: Creative Producing
- FLP 360 - Cinematography
- FLP 406 - Film Directing
- PHY 112 - The Physics of Hollywood with Lab
- THE 113 - Makeup for Stage and Screen

Film Production (21 units)

Core Requirements

- DES 310 - Design Thought Practicum
- FLM 301 - Basic Screenwriting
- FLP 170 - Basic Production: Visual Storytelling
- FLP 306 - Intermediate Production: Creative Producing
- FLP 360 - Cinematography
- FLP 406 - Film Directing

Elective Requirement

Complete three (3) additional units from the following:

- ART 385 - Film as Visual Art

- FLM 200 - Special Topics in Film
- FLM 300 - National Cinema
- FLM 303 - Asian Cinema
- FLM 305 - Christianity and Film
- FLM 340 - Major Directors
- FLM 400 - Special Topics in Film
- FLM 420 - Independent Film and Counter-Cinema
- FLM 491 - Film Practicum
- GDM 341 - Video Fundamentals
- THE 113 - Makeup for Stage and Screen

Film Production: LAFSC (22 units)

As a participant in the Coalition for Christian Colleges and Universities and a "sending institution" for the Los Angeles Film Studies Center (LAFSC), CBU gives students the opportunity to study for one semester through the Center in Los Angeles, California. Completion of this concentration is contingent upon admittance to the Los Angeles Film Studies Center (LAFSC) program.

Core Requirement

- FLP 170 - Basic Production: Visual Storytelling

Elective Requirement

Complete three (3) additional units from the following:

- ART 385 - Film as Visual Art
- DES 310 - Design Thought Practicum
- FLM 200 - Special Topics in Film
- FLM 300 - National Cinema
- FLM 301 - Basic Screenwriting
- FLM 303 - Asian Cinema
- FLM 305 - Christianity and Film
- FLM 340 - Major Directors
- FLM 400 - Special Topics in Film
- FLM 420 - Independent Film and Counter-Cinema
- FLM 491 - Film Practicum
- THE 113 - Makeup for Stage and Screen

LA Film Studies Center Requirements

- Hollywood Production Workshop (4 units)
- Faith and Artistic Development in Film (3 units)
- Internship: Inside Hollywood (6 units)
- Narrative Storytelling (3 units)

Screenwriting (21 units)

Core Requirements

* Students who attend the Los Angeles Film Studies Center (LAFSC) program may variance the Professional Screenwriting course at LAFSC for either FLM 302 or FLM 403 if not also pursuing the Film Production concentration. * Students who attend the Los Angeles Film Studies Center (LAFSC) program may variance the Professional Screenwriting course at LAFSC for either FLM 302 or FLM 403 if not also pursuing the Film Production concentration.

- ENG 201 - Introduction to Literature **OR**
- ENG 273 - Introduction to Creative Writing
- FLM 301 - Basic Screenwriting *
- FLM 302 - Writing Short Screenplays
- FLM 403 - Writing Adapted Screenplays *

Elective Requirements

Complete nine (9) additional units from the following:

- ART 385 - Film as Visual Art
- DES 310 - Design Thought Practicum
- FLM 200 - Special Topics in Film
- FLM 300 - National Cinema
- FLM 303 - Asian Cinema
- FLM 305 - Christianity and Film
- FLM 340 - Major Directors
- FLM 400 - Special Topics in Film
- FLM 420 - Independent Film and Counter-Cinema
- FLM 491 - Film Practicum
- FLP 170 - Basic Production: Visual Storytelling
- FLP 306 - Intermediate Production: Creative Producing
- FLP 360 - Cinematography
- FLP 406 - Film Directing
- THE 113 - Makeup for Stage and Screen

Fine Art, BA

Film is the most culturally influential artistic medium in our era. The Film major equips students both to understand film as a cultureshaping force and to pursue diverse careers in the entertainment industry. Students choose one of three concentrations: Film Production, Screenwriting, or Film Analysis and Industry. Film majors develop valuable technical knowledge and experience as well as sharp critical thinking skills and significant audio-visual literacy. In a world that increasingly relies on visual information, a comprehension of how meaning grows out of the moving image is indispensable to a deeper social and cultural understanding. Our majors have the opportunity to learn how to apply this knowledge to filmmaking by creating high quality films on state-of-the-art equipment, writing screenplays and teleplays, and exploring the best of global cinema.

Traditional Major Program Requirements (62-65 units)

Lower Division Requirements

- ART 201 - Principles of Design and Color
- ART 208 - Studio Drawing I
- ART 241 - Global History of Art: Ancient to Medieval
- ART 242 - Global History of Art: Renaissance to Contemporary
- DES 110 - Design Thought Foundations I

Lower Division Studio Elective Requirement

Complete three to four (3-4) units from the following:

- ART 203 - Printmaking I
- ART 207 - Watercolor I
- ART 225 - Sculpture I
- ART 232 - Ceramics I
- ART 283 - Painting I
- ILL 210 - Illustration I

Upper Division Requirements

- ART 300 - Advanced Art
- ART 301 - Color, Theory, and Application
- ART 326 - Contemporary Art Issues
- ART 351 - Museum Studies
- ART 430 - Art and the Bible
- ART 499 - Senior Exhibition
- DES 310 - Design Thought Practicum

Upper Division Art History Elective Requirements

Complete six (6) units from the following:

- ARC 350 - Architectural Theory I
- ART 345 - Nineteenth Century Art History
- ART 346 - History of Modern Painting
- ART 347 - Contemporary Art History
- ART 361 - Art of Latin America
- ART 371 - Art of Southeast Asia
- ART 381 - Women in the Arts
- ART 412 - Topics in Art History
- FLM 300 - National Cinema
- FLM 450 - World Cinema
- GDM 305 - History of Graphic Design

Upper Division Theory Elective Requirements

Complete three (3) units from the following:

- ART 323 - New Genre
- ART 391 - Art Theory

Upper Division Studio Art Elective Requirements

Complete ten to twelve (10-12) units from the following:

- ART 305 - Figure Drawing I
- ART 314 - Drawing II
- ART 353 - Ceramics II
- ART 383 - Painting II
- ART 400 - Special Problems in Art
- ART 405 - Figure Drawing II
- ART 414 - Drawing III
- ART 432 - Sculpture III
- ART 450 - Internship in Visual Arts
- ART 453 - Ceramics III

Graphic Design and Visual Experience, BA

(see also Graphic Design)

The Graphic Design and Visual Experience major prepares students for careers in professions including graphic design, photography, emerging media, and video/animation. The students will learn the technologies, trends and principles employed by professionals in these fields. The program is based around hands-on projects and portfolio building.

Traditional Major Program Requirements (51-54 units)

Lower Division Requirements

- DES 110 - Design Thought Foundations I
- GDM 110 - Fundamental Design
- GDM 120 - Fundamental Typography
- GDM 130 - Fundamental Image
- GDM 150 - Fundamental User Interface and User Experience Design
- GDM 240 - Design Movements of the 20th Century

Upper Division Requirements

- DES 310 - Design Thought Practicum
- DES 498 - Portfolio
- GDM 310 - Intermediate Design
- GDM 320 - Intermediate Typography
- GDM 330 - Intermediate Image

- GDM 499 - Senior Project
- PHI 312 - Aesthetics

Concentration Courses (12-15 units)

Students must complete all requirements in one of the following concentrations: Graphic Design; Illustration; Photography; Video and Animation; Visual Experience Design

Graphic Design (12 units)

- GDM 410 - Advanced Design (6 units)
- GDM 420 - Advanced Typography
- GDM 430 - Advanced Image

Illustration (12 units)

- ART 305 - Figure Drawing I
- GDM 331 - Animation and Motion Graphic Design
- ILL 210 - Illustration I
- ILL 310 - Illustration II
- ILL 410 - Illustration III

Photography (15 units)

- PHO 110 - Fundamental Commercial Photography
- PHO 310 - Intermediate Commercial Photography
- PHO 332 - Studio Photography
- PHO 400 - Special Topics in Commercial Photography
- PHO 432 - On Location Photography

Video and Animation (12 units)

- GDM 331 - Animation and Motion Graphic Design
- GDM 341 - Video Fundamentals
- GDM 352 - Visual Effects Design for Emerging Media
- GDM 441 - Advanced Video and 3D

Visual Experience Design (12 units)

Choose twelve (12) units from the following:

- GDM 350 - Advanced User Interface and User Experience Design
- GDM 351 - 3D Design for Emerging Media
- GDM 352 - Visual Effects Design for Emerging Media
- GDM 461 - Advanced Design for Emerging Media
- GDM 462 - Mobile Game Design

Illustration, BA

The Bachelor of Arts in Illustration degree develops students in the art of visual and conceptual storytelling in a variety of artistic mediums, preparing them to pursue a career as a professional illustrator.

Traditional Major Program Requirements (49 Units)

Lower Division Requirements

- ART 201 - Principles of Design and Color
- ART 208 - Studio Drawing I
- DES 110 - Design Thought Foundations I
- ILL 210 - Illustration I
- GDM 240 - Design Movements of the 20th Century

Lower Division Electives

Complete six (6) units from the following:

- ART 203 - Printmaking I
- ART 207 - Watercolor I
- ART 283 - Painting I
- GDM 110 - Fundamental Design
- GDM 130 - Fundamental Image
- ILL 200 - Special Topics in Illustration

Upper Division Requirements

- ART 305 - Figure Drawing I
- DES 310 - Design Thought Practicum
- DES 498 - Portfolio
- ILL 310 - Illustration II
- ILL 410 - Illustration III
- ILL 499 - Senior Show

Upper Division Electives

Complete nine (9) units from the following:

- ART 314 - Drawing II
- ART 383 - Painting II
- ART 405 - Figure Drawing II
- GDM 310 - Intermediate Design
- GDM 330 - Intermediate Image
- GDM 331 - Animation and Motion Graphic Design
- GDM 341 - Video Fundamentals
- GDM 441 - Advanced Video and 3D
- ILL 400 - Special Topics in Illustration

Interior Design, BA

The Interior Design major develops students in the art of applying artistic principles and techniques to the professional planning, designing, equipping, and furnishing of interior spaces - preparing them to pursue professional practice as interior designers.

Traditional Major Program Requirements (63 units)

Lower Division Requirements

- ARC 120 - Design Communication
- ARC 122 - Design Fundamentals
- ARC 210 - Design Studio I
- ARC 220 - Computer Modeling
- ARC 242 - Architectural History II
- DES 110 - Design Thought Foundations I

Upper Division Requirements

- ARC 370 - Professional Preparation
- ARC 385 - Luminous and Sonic Environmental Systems
- DES 310 - Design Thought Practicum
- IND 310 - Interior Design Studio I
- IND 312 - Interior Design Studio II
- IND 380 - Materials, Finishes, and Sourcing
- IND 410 - Interior Design Studio III
- IND 412 - Interior Design Studio IV
- PRD 350 - Human Centric Design

Photography, BA

The Photography major explores the practice and theory of photography via technical understandings and methodological explorations of the photography medium as applied to both the Commercial Photography and Photography & Social Engagement concentrations. Through the introduction of narrative, conceptual development, and Christian worldview - students will acquire a unique stylistic aesthetic leading to a professional portfolio.

Traditional Major Program Requirements (52 units)

Lower Division Requirements

- DES 110 - Design Thought Foundations I
- PHO 105 - The Camera
- PHO 110 - Fundamental Commercial Photography
- PHO 120 - Fundamental Fine Art Photography
- PHO 140 - History of Photography
- PHO 250 - Post-Production

Upper Division Requirements

- DES 310 - Design Thought Practicum
- PHO 330 - Visual Storytelling
- PHO 332 - Studio Photography
- PHO 350 - Digital Printing and Color Management
- PHO 432 - On Location Photography
- PHO 433 - Photography Open Studio
- PHO 485 - Photography Business
- PHO 499 - Senior Show

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: Commercial Photography; Photography and Social Engagement

Commercial Photography

- PHO 310 - Intermediate Commercial Photography
- PHO 400 - Special Topics in Commercial Photography (6 units)
- PHO 415 - Advanced Commercial Photography

Photography and Social Engagement

Complete twelve (12) units from the following:

- PHO 360 - Photo and Social Engagement
- PHO 362 - The Photographic Book
- PHO 363 - Photographic Documentary Methods
- PHO 401 - Special Topics in Non-Commercial Photography
- PHO 433 - Photography Open Studio

Product Design, BA

Product Design is an applied visual art major that prepares individuals to use design techniques to effectively communicate ideas and information to business and consumer audiences via the creation of effective forms, shapes, and packaging for manufactured products. Includes instruction in designing in a wide variety of plastic and digital media, prototype construction, design development and refinement, principles of cost saving, and product structure and performance criteria relevant to aesthetic design parameters.

Traditional Major Program Requirements (61 units)

Lower Division Requirements

- ART 201 - Principles of Design and Color
- ART 208 - Studio Drawing I
- DES 110 - Design Thought Foundations I

- EGR 122 - Visualization Languages I
- EGR 263 - Introduction to 3D Computer Aided Design
- GDM 150 - Fundamental User Interface and User Experience Design
- PRD 150 - Introduction to Product Design Methods

Upper Division Requirements

- DES 310 - Design Thought Practicum
- PRD 310 - Product Design Studio I
- PRD 312 - Product Design Studio II
- PRD 340 - History and Theory of Product Design
- PRD 350 - Human Centric Design
- PRD 380 - Materials and Processes
- PRD 410 - Product Design Studio III
- PRD 412 - Product Design Studio IV
- PRD 470 - Professional Practice

Production Design, BA

The Production Design major develops students in the art of designing productions for a variety of uses including worship, film and television, theater, live events, public events and exhibitions, and themed entertainment design - preparing them to pursue professional practice as a production designer, art director, scenic artist, or worship arts professional.

Traditional Major Program Requirements (55-68 units)

Lower Division Requirements

- ARC 120 - Design Communication
- ARC 122 - Design Fundamentals
- ART 208 - Studio Drawing I *OR*
- ARC 220 - Computer Modeling
- DES 110 - Design Thought Foundations I
- MUS 182 - Survey of Live AVL Technology
- THE 111 - Fundamentals of Stagecraft
- THE 211 - Introduction to Stage Design and Management
- THE 221 - Techniques in Pre-Visualization of Design

History Elective Requirement

Complete three (3) units from the following:

- ARC 240 - Architectural History I
- ARC 242 - Architectural History II
- FLM 150 - Film History
- THE 332 - Theatre History I

- THE 342 - Theatre History II

Upper Division Requirements

- DES 310 - Design Thought Practicum
- PDD 310 - Production Design Studio I
- PDD 410 - Production Design Studio II
- THE 431 - Advanced Design: Lighting
- THE 432 - Advanced Design: Scenery

Upper Division Technical Production Practicum Requirement

Complete three (3) units from the following:

- THE 364 - Production Practicum: Technical
- THE 464 - Production Practicum: Technical

Optional Concentration in Worship Design (13 units)

Lower Division Requirements

- MUS 054 - The Worship Forum

Upper Division Requirements

- GDM 341 - Video Fundamentals
- MUS 304 - Craft of Ministry I
- MUS 360 - Theology, History, and Practice of Worship
- MUS 454 - The Worship Forum (3 units)

Minor

Art History Minor

Traditional Minor Program Requirements (21-22 units)

Lower Division Requirements

- ART 241 - Global History of Art: Ancient to Medieval
- ART 242 - Global History of Art: Renaissance to Contemporary

Lower Division Studio Elective Requirement

Complete three to four (3-4) units from the following:

- ART 201 - Principles of Design and Color
- ART 203 - Printmaking I

- ART 207 - Watercolor I
- ART 225 - Sculpture I
- ART 232 - Ceramics I
- ART 283 - Painting I
- DES 110 - Design Thought Foundations I

Upper Division Requirement

- ART 351 - Museum Studies

Upper Division Art History/Theory Elective Requirements

Complete nine (9) units from the following:

- ARC 350 - Architectural Theory I
- ART 345 - Nineteenth Century Art History
- ART 346 - History of Modern Painting
- ART 347 - Contemporary Art History
- ART 361 - Art of Latin America
- ART 371 - Art of Southeast Asia
- ART 381 - Women in the Arts
- ART 412 - Topics in Art History
- ART 430 - Art and the Bible
- FLM 300 - National Cinema
- FLM 450 - World Cinema
- GDM 305 - History of Graphic Design

Film Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirements

- FLM 105 - Introduction to Film
- FLM 150 - Film History
- FLM 250 - Film Theory and Criticism

Upper Division Elective Requirements

Complete twelve (12) additional units from the following:

- FLM 300 - National Cinema
- FLM 301 - Basic Screenwriting
- FLM 302 - Writing Short Screenplays
- FLM 303 - Asian Cinema
- FLM 305 - Christianity and Film
- FLM 340 - Major Directors
- FLM 350 - Film and Literature

- FLM 400 - Special Topics in Film
- FLM 403 - Writing Adapted Screenplays
- FLM 420 - Independent Film and Counter-Cinema
- FLM 430 - Film and Sound
- FLM 450 - World Cinema
- FLM 470 - Adaptation and Intertextuality
- FLM 491 - Film Practicum
- FLP 306 - Intermediate Production: Creative Producing
- FLP 360 - Cinematography
- FLP 406 - Film Directing

Fine Art Minor

Traditional Minor Program Requirements (26-27 units)

Lower Division Requirements

- ART 201 - Principles of Design and Color
- ART 208 - Studio Drawing I

Lower Division Art History Elective Requirement

Complete three (3) units from the following:

- ART 241 - Global History of Art: Ancient to Medieval
- ART 242 - Global History of Art: Renaissance to Contemporary

Lower Division Studio Elective Requirement

Complete three to four (3-4) units from the following:

- ART 203 - Printmaking I
- ART 207 - Watercolor I
- ART 225 - Sculpture I
- ART 232 - Ceramics I
- ART 283 - Painting I
- ILL 210 - Illustration I

Upper Division Requirement

- ART 351 - Museum Studies

Upper Division Art History and Theory Elective Requirement

Complete three (3) units from the following:

- ARC 350 - Architectural Theory I
- ART 345 - Nineteenth Century Art History

- ART 346 - History of Modern Painting
- ART 347 - Contemporary Art History
- ART 361 - Art of Latin America
- ART 371 - Art of Southeast Asia
- ART 381 - Women in the Arts
- ART 412 - Topics in Art History
- FLM 300 - National Cinema
- FLM 450 - World Cinema
- GDM 305 - History of Graphic Design

Upper Division Studio Art Elective Requirements

Complete six (6) units from the following:

- ART 300 - Advanced Art
- ART 301 - Color, Theory, and Application
- ART 305 - Figure Drawing I
- ART 314 - Drawing II
- ART 323 - New Genre
- ART 353 - Ceramics II
- ART 383 - Painting II
- ART 400 - Special Problems in Art
- ART 450 - Internship in Visual Arts

Graphic Design and Visual Experience Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirements

- GDM 110 - Fundamental Design
- GDM 120 - Fundamental Typography
- GDM 130 - Fundamental Image

Upper Division Requirements

- ART 430 - Art and the Bible
- GDM 310 - Intermediate Design
- GDM 320 - Intermediate Typography
- GDM 330 - Intermediate Image

Illustration Minor

Traditional Minor Program Requirements (23 Units)

Lower Division Requirements

- ART 208 - Studio Drawing I
- ILL 210 - Illustration I

Lower Division Electives

Completed three (3) units from the following:

- ART 203 - Printmaking I
- ART 207 - Watercolor I
- ART 283 - Painting I
- GDM 110 - Fundamental Design
- GDM 130 - Fundamental Image
- ILL 200 - Special Topics in Illustration

Upper Division Requirements

- ART 305 - Figure Drawing I
- ILL 310 - Illustration II
- ILL 410 - Illustration III

Upper Division Electives

Completed three (3) units from the following:

- ART 314 - Drawing II
- ART 383 - Painting II
- ART 401 - Projects in Design and Color
- ART 405 - Figure Drawing II
- GDM 310 - Intermediate Design
- GDM 330 - Intermediate Image
- GDM 331 - Animation and Motion Graphic Design
- GDM 341 - Video Fundamentals
- GDM 441 - Advanced Video and 3D
- ILL 400 - Special Topics in Illustration

Photography Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirements

- PHO 105 - The Camera
- PHO 110 - Fundamental Commercial Photography **OR**
- PHO 120 - Fundamental Fine Art Photography
- PHO 250 - Post-Production

Upper Division Requirements

- PHO 310 - Intermediate Commercial Photography **OR**
- PHO 360 - Photo and Social Engagement

- PHO 330 - Visual Storytelling
- PHO 350 - Digital Printing and Color Management

Upper Division Electives

Complete three (3) units from the following:

- PHO 332 - Studio Photography
- PHO 400 - Special Topics in Commercial Photography

Visual Experience Design Minor

Traditional Minor Program Requirements (18 units)

The minor of Visual Experience Design develops student's ability to create, design, and produce visual experience across the span of emerging media.

Lower Division Requirements

- GDM 110 - Fundamental Design
- GDM 150 - Fundamental User Interface and User Experience Design

Upper Division Requirements

- GDM 350 - Advanced User Interface and User Experience Design
- GDM 351 - 3D Design for Emerging Media

Upper Division Elective Requirements

Complete six (6) units from the following:

- GDM 331 - Animation and Motion Graphic Design
- GDM 352 - Visual Effects Design for Emerging Media
- GDM 400 - Special Topics in Graphic Design
- GDM 461 - Advanced Design for Emerging Media
- GDM 462 - Mobile Game Design

College of Arts and Sciences

Dr. Gayne J. Anacker

Dean

Dr. Lisa Hernandez

Associate Dean

Dr. James Lu

Associate Dean

Mr. Peyton Beard

Administrative Secretary

Phone 951.343.4363

FAX 951.343.4661

pbeard@calbaptist.edu

Faculty Information

Departments

Aviation Science

John Marselus, D. Min.

Communication Arts

John Pate, M.A.

History and Government

Christopher McHorney, Ph.D.

Modern Languages and Literature

James Lu, Ph.D.

Division

Natural and Mathematical Sciences

Lisa Hernandez, Ph.D.

Departments

Biological Sciences

Bruce Prins, Ph.D.

Chemical Sciences

Thomas Ferko, Ph.D.

Mathematical Sciences

Linn Carothers, Ph.D.

The College of Arts and Sciences comprises seven departments: Aviation Science, Communication Arts; History and Government; Modern Languages and Literature; and Natural and Mathematical Sciences Division, which includes Biological Sciences, Chemistry and Mathematical Sciences. Together they reflect and promote studies in and personal pursuit of the finest in human artistic, intellectual, scientific and spiritual achievements. All curricula are aimed at enriching the lives of our students by enabling them to grow in sensitivity to themselves, their heritages, and the world around them.

To achieve these ends, the College directs the University Honors Program for select students and a series of Integrated Humanities courses for all students that cross the usual disciplinary boundaries in order to create space for vital interdisciplinary interaction. Likewise, the College sponsors Overseas Study Tours each summer that are open to majors in all CBU programs that provide special opportunities and challenges to personal and intellectual growth.

Integration of faith with learning is key both to our identity and our mission, our tasks and our goals. Our commitment to applying faith to life is second to none. If you want to pursue a job to earn a living, a degree program in most any university will do. But if you want to pursue a calling, CBU and the programs in the College of Arts and Sciences will prepare you for the race.

Department of Aviation Science

Dr. John Marselus

Chair

Ms. Kim Roper

Department Secretary

Phone 951.552.8800

FAX 951.552.8801

kroper@calbaptist.edu

Faculty Information

The Department of Aviation Science offers programs that prepare students for careers in the aviation industry with in-depth aviation knowledge, including airspace, laws and regulations, labor issues, safety and security, aerodynamics, meteorology, international aviation environment, human factors, environmental issues, and airline management issues and practices.

The Aviation Dispatch program is designed for students who desire to play a key role in safety of flight as a licensed FAA dispatcher. Students will graduate with a Bachelor of Science degree and be prepared to serve as a crew scheduler or a dispatcher with airlines or business aviation.

The Aviation Flight program is designed for students with little or no flight experience who desire a career as a commercial pilot. Students will graduate with a Bachelor of Science degree and the private pilot certificate, instrument rating, commercial pilot certificate, multi-engine rating, and Certified Flight Instrument Instructor certificate. Upon graduation, aviation flight students will be prepared to fly commercially and possess approximately 250-300 flight hours. Potential careers include airline pilot, air cargo pilot, military pilot, missionary pilot, law enforcement pilot, state aviation department pilot, air taxi or charter pilot, business or corporate pilot, and flight instructor.

Students intending on declaring Aviation Flight as their major will be admitted as "Pre-Flight" students. Admission to the Aviation Flight major will require successful completion of FLT 116 - Private Pilot Ground, as well as successful completion of the Aviation Flight major supplemental application process, to include departmental interview, aviation math exam, letters of recommendation, and essay. Once admitted into the Aviation Flight major, students must maintain satisfactory progress in the flight labs. Students unable to maintain satisfactory progress in the flight labs may be removed from the Aviation Flight major.

The Aviation Management program is designed for students who desire to pursue a non-flight aviation career. Students will graduate with a Bachelor of Science degree and an in-depth aviation business foundation. Graduates will be prepared for careers in airline management, airport management, fixed base operations management, aviation safety and security, and aviation consulting.

The Aviation Inflight Services program is designed for students with a desire to serve as required aircraft crewmembers, generally as a flight attendant. With a focus on safety of flight for passengers and crew, this major brings aviation science, business, and inflight services together to prepare the student to succeed as a knowledgeable and skilled aviation inflight services professional.

The Aviation Unmanned Systems program is designed for students with a desire to serve as an operator of unmanned aircraft systems (UAS). Whether serving in the military, as a government contractor, or in commercial applications, graduates will be prepared to enter this rapidly evolving segment of the aviation industry with the knowledge of these remotely piloted systems and the pilot qualifications necessary to fly UAS within the national airspace system.

Major

Aviation Dispatch, BS

The major is designed for students who desire to become licensed FAA dispatchers. The major meets all requirements of FAA Part 65 and includes courses in regulations, meteorology, navigation, aircraft, communications, air traffic control, emergency and abnormal procedures, and practical dispatch applications.

Traditional Major Program Requirements (45 units)

Lower Division Requirements

- AVN 110 - Introduction to Aviation
- AVN 210 - Aviation Meteorology
- BUS 237 - Management Based on Biblical Principles
- FLT 116 - Private Pilot Ground
- FLT 119 - Instrument Pilot Ground

Upper Division Requirements

- AMG 426 - Airline Management
- AVN 300 - Aviation Research, Writing and Communication
- AVN 310 - Aviation Law and Regulations
- DSP 330 - Dispatch I
- DSP 430 - Dispatch II
- DSP 497 - Dispatch Capstone
- FLT 326 - Human Factors
- FLT 328 - Aircraft Systems
- FLT 410 - Turbine Systems
- FLT 420 - Crew Resource Management

Aviation Flight, BS

The major is designed for students who desire to be a professional airline pilot, commercial airplane pilot, or unmanned aviation systems pilot. Students may also choose the optional Missionary Aviation minor to pursue a career in the Mission Aviation field or the optional concentration in Dispatch to earn the FAA Dispatch certificate.

Students must submit an application to the Department of Aviation Science and be accepted to enroll in the Bachelor of Science in Aviation Flight major.

Traditional Major Program Requirements (61-74 units)

Lower Division Requirements

- AVN 110 - Introduction to Aviation
- AVN 210 - Aviation Meteorology

- FLT 116 - Private Pilot Ground
- FLT 119 - Instrument Pilot Ground
- FLT 224 - Modern Avionics and Navigational Aids

Upper Division Requirements

- AMG 322 - Aviation Safety
- AMG 324 - Aviation Security
- AVN 300 - Aviation Research, Writing and Communication
- AVN 310 - Aviation Law and Regulations
- FLT 311 - Commercial Pilot Ground
- FLT 326 - Human Factors
- FLT 328 - Aircraft Systems
- FLT 420 - Crew Resource Management
- FLT 498 - Aviation Flight Capstone **OR**
- UAS 495 - Unmanned Aircraft Systems Capstone

Concentration Courses (19-20 units)

Students must complete all requirements in one or more of the following concentrations: Commercial Airplane Pilot; Professional Airplane Pilot; Unmanned Aviation Systems Pilot

Commercial Airplane Pilot (19 units)

- AMG 427 - Aviation Finance
- ENT 357 - Small Business Management
- FLT 117 - Private Airplane Pilot Lab I
- FLT 118 - Private Airplane Pilot Lab II
- FLT 215 - Commercial I and Instrument I Airplane Pilot Lab
- FLT 216 - Instrument II Airplane Pilot Lab
- FLT 301 - Advanced and Commercial Airplane Pilot Ground
- FLT 313 - Commercial II Airplane Pilot Lab
- FLT 314 - Advanced Commercial Airplane Pilot Lab
- UAS 215 - Unmanned Aviation Systems Flight Simulation Lab

Commercial Airplane Pilot Elective Requirement

Complete three (3) additional units from the following:

- AVN 400 - Special Topics in Commercial Aviation
- AVN 450 - Cooperative Education I
- AVN 451 - Cooperative Education II
- AVN 490 - Internship I
- AVN 491 - Internship II

Professional Airplane Pilot (19 units)

- FLT 117 - Private Airplane Pilot Lab I
- FLT 118 - Private Airplane Pilot Lab II
- FLT 215 - Commercial I and Instrument I Airplane Pilot Lab
- FLT 216 - Instrument II Airplane Pilot Lab
- FLT 301 - Advanced and Commercial Airplane Pilot Ground
- FLT 313 - Commercial II Airplane Pilot Lab
- FLT 314 - Advanced Commercial Airplane Pilot Lab
- FLT 315 - Flight Instructor Pilot Ground
- FLT 317 - CFI and CFII Airplane Pilot Lab
- FLT 410 - Turbine Systems
- FLT 430 - Airline Prep

Unmanned Aviation Systems Pilot (20 units)

- FLT 117 - Private Airplane Pilot Lab I
- FLT 118 - Private Airplane Pilot Lab II
- FLT 215 - Commercial I and Instrument I Airplane Pilot Lab
- FLT 216 - Instrument II Airplane Pilot Lab
- FLT 313 - Commercial II Airplane Pilot Lab
- GDM 341 - Video Fundamentals
- UAS 115 - Introduction to Unmanned Aviation Systems
- UAS 215 - Unmanned Aviation Systems Flight Simulation Lab
- UAS 315 - Unmanned Aviation Systems Designs and Applications
- UAS 400 - Special Topics in UAS (2 units)
- UAS 415 - Unmanned Aviation Systems Operations and Mission Planning

Optional Concentration in Dispatch Requirements (12 units)

- AMG 426 - Airline Management
- DSP 330 - Dispatch I
- DSP 430 - Dispatch II
- DSP 497 - Dispatch Capstone

Aviation Management, BS

The major is designed for students who desire to pursue a non-flight aviation career. The major has an aviation business foundation, preparing students for careers in airline management, airport management, fixed base operations management, aviation safety and security, aviation consulting, and inflight services.

An optional Aviation Dispatch Minor is available only for Aviation Management Majors. See Aviation Dispatch for the minor requirements.

Traditional Major Program Requirements (60-72 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- AVN 110 - Introduction to Aviation
- AVN 210 - Aviation Meteorology
- CIS 270 - Business IT Application
- FLT 116 - Private Pilot Ground
- MAT 115 - Intermediate Algebra

Upper Division Requirements

- AVN 300 - Aviation Research, Writing and Communication
- AVN 310 - Aviation Law and Regulations
- AMG 320 - Fixed Base Operations
- AMG 322 - Aviation Safety
- AMG 324 - Aviation Security
- AMG 330 - Airport Management I
- AMG 332 - Airport Management II
- AMG 423 - Airport Planning and Design
- AMG 424 - Business Aviation Management
- AMG 426 - Airline Management
- AMG 427 - Aviation Finance
- AMG 442 - Aviation Consulting
- AMG 499 - Aviation Management Capstone
- BUS 315 - Business Statistics

Optional Concentration in Inflight Services (12 units)

An optional concentration requires the completion of a minimum of twelve (12) distinct units beyond the major.

Inflight Services

- AIS 305 - Flight Attendant I
- AIS 405 - Flight Attendant II
- AIS 495 - Flight Attendant Capstone
- FLT 420 - Crew Resource Management

Minor

Aviation Dispatch Minor

The Aviation Dispatch Minor is only available for Aviation Management Majors.

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- FLT 116 - Private Pilot Ground
- FLT 119 - Instrument Pilot Ground

Upper Division Requirements

- DSP 330 - Dispatch I
- DSP 430 - Dispatch II
- DSP 497 - Dispatch Capstone
- FLT 326 - Human Factors
- FLT 328 - Aircraft Systems
- FLT 410 - Turbine Systems

Aviation Management Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirements

- AVN 110 - Introduction to Aviation
- FLT 116 - Private Pilot Ground

Upper Division Requirements

Complete twelve (12) units from the following:

- AMG 320 - Fixed Base Operations
- AMG 322 - Aviation Safety
- AMG 324 - Aviation Security
- AMG 330 - Airport Management I
- AMG 332 - Airport Management II
- AMG 424 - Business Aviation Management
- AMG 426 - Airline Management

Aviation Unmanned Systems Minor

Traditional Minor Program Requirements (23 units)

Lower Division Requirements

- AVN 110 - Introduction to Aviation
- AVN 210 - Aviation Meteorology
- FLT 116 - Private Pilot Ground
- FLT 117 - Private Airplane Pilot Lab I

- UAS 115 - Introduction to Unmanned Aviation Systems
- UAS 215 - Unmanned Aviation Systems Flight Simulation Lab

Upper Division Requirements

- FLT 326 - Human Factors
- UAS 315 - Unmanned Aviation Systems Designs and Applications
- UAS 415 - Unmanned Aviation Systems Operations and Mission Planning
- UAS 495 - Unmanned Aircraft Systems Capstone

Missionary Aviation Minor

Traditional Minor Program Requirements (21 Units)

Lower Division Requirements

- CST 110 - Old Testament Survey
- CST 130 - New Testament Survey

Upper Division Requirements

- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- FLT 421 - Mission Aviation

Upper Division Elective Requirements

Complete six (6) units from the following:

- CST 310 - Old Testament Exegesis
- CST 311 - New Testament Exegesis
- CST 315 - Old Testament Ethics
- CST 330 - The Gospel According to John
- CST 331 - The Parables of Jesus
- CST 350 - Biblical Interpretation
- CST 370 - Christian Doctrine
- CST 410 - Special Topics in Old Testament
- CST 411 - Special Topics in New Testament
- CST 421 - Biblical History of Israel
- CST 440 - Romans
- CST 441 - The Corinthian Correspondence
- CST 442 - Revelation
- CST 450 - Old Testament Theology

Department of Communication Arts

Mr. John Pate

Chair

Ms. Patricia VanBuskirk

Department Secretary

Phone 951.343.4964

FAX 951.343.4514

pvanbuskirk@calbaptist.edu

Faculty Information

The Department of Communication Arts is a supporting department in the liberal arts tradition of the University and is also a division of professional training. The department seeks to help students explore the world of creativity and the human spirit as expressed through theatre, speech, journalism, and public relations. The Department includes the disciplines of Communication Arts.

The Communication curriculum seeks to develop students' creativity and expressive abilities, improve everyday conversation, develop written and oral skills, and provide opportunity to gain experience in drama and theatrical production.

Major

Comedic Arts, BA

This program prepares students to enter the competitive fields of comedy writing and performance within the interrelated marketplaces of film, television, live performance and the Internet. Particular emphasis is placed upon finding and developing the individual and unique comic voice of each student.

Traditional Major Program Requirements (36 units)

Lower Division Requirements

- CMD 101 - Introduction to Stand-Up Performance
- COM 113 - Oral Communication
- THE 123 - Voice and Diction for the Stage
- THE 223 - Movement for the Stage *OR*
- THE 233 - Introduction to Musical Theatre Dance

Upper Division Requirements

- CMD 301 - History of Comedy Performance
- CMD 311 - Pantomime, Commedia and Physical Comedy
- CMD 331 - Comedy In Christian Ministries
- CMD 495 - Senior Comedy Showcase

Performance/Internship Elective Requirements

Complete five (5) units from the following:

- CMD 450 - Comedy Production Internship
- CMD 451 - Comedy Production Internship
- THE 363 - Production Practicum: Performance
- THE 364 - Production Practicum: Technical
- THE 463 - Production Practicum: Performance
- THE 464 - Production Practicum: Technical

Upper Division Elective Requirements

Complete nine (9) units from the following:

- CMD 314 - Clown Design: Costumes and Makeup
- CMD 411 - Comedy Sketch Writing for Entertainment
- CMD 482 - Improvisation and Sketch Comedy
- COM 333 - Oral Interpretation and Readers Theatre
- PRL 300 - Public Relations
- THE 330 - Advanced Acting for the Camera
- THE 353 - Directing I

Communication Studies, BA

Students in the Communication Studies major will demonstrate proficiency in creating, developing and delivering presentations of communicative merit, utilizing critical thought, and the integration of a broad worldview. The Communication Studies major will further exhibit creativity, confidence, and competence via nationally accepted communicative principles and techniques.

Traditional Major Program Requirements (36 units)

Lower Division Requirements

- COM 110 - Forensic Workshop (3 units) **OR**
- COM 210 - Forensic Workshop (3 units)

- COM 113 - Oral Communication

Upper Division Requirements

- COM 308 - Interpersonal Communications
- COM 333 - Oral Interpretation and Readers Theatre
- COM 340 - Rhetoric and Persuasion
- COM 401 - Argumentation and Debate (3 units)
- COM 403 - Communication Theory
- COM 405 - Rhetorical Criticism
- COM 425 - Organizational Communication

Upper Division Elective Requirements

Complete nine (9) units from the following:

- COM 306 - Small Group Communication
- COM 310 - Forensic Workshop
- COM 400 - Special Topics in Communication Studies
- COM 410 - Forensic Workshop
- COM 435 - Gender and Communication
- COM 450 - Internship in Communication Studies
- ICS 430 - Intercultural Communications

- THE 312 - Drama in the Classroom **OR**
- THE 313 - Advanced Makeup

- THE 340 - Drama in the Church
- PRL 300 - Public Relations

Journalism and New Media, BA

The Journalism and New Media major seeks to develop students' skills in writing and multimedia storytelling through professional-level research and investigation, interviewing and reporting, explanatory and analytical media writing, editing, layout and design, and media law and ethical issues.

Traditional Major Program Requirements (45 units)

Lower Division Requirements

- JRN 150 - Media and Society
- JRN 170 - Writing for Mass Media
- JRN 210 - Digital Photography
- JRN 216 - Digital Storytelling
- JRN 254 - Publication Layout and Design

Upper Division Requirements

- JRN 312 - Magazine and Feature Writing
- JRN 315 - News Reporting
- JRN 320 - Media Law, Ethics and Copyright
- JRN 349 - Editing for Print and Online Media
- JRN 397 - Publication Seminar
- JRN 430 - Multimedia Reporting, Editing, and Producing

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: Broadcast Journalism; Global Journalism; Media Photography; Public Relations; Sports Journalism; Writing and Publishing

Broadcast Journalism

- JRN 360 - Audio Newsgathering
- JRN 380 - Video Newsgathering
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)
- JRN 470 - Reporting and Producing for Broadcast Media

Media Photography

- JRN 310 - Advanced Digital Photography
- JRN 410 - Photo Editing
- JRN 400 - Special Topics in Journalism *OR*
- JRN 450 - Internship in Journalism (3 units)
- JRN 414 - Social Documentary

Public Relations

- JRN 370 - Social Media Strategies
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)
- JRN 420 - Public Relations Writing, Campaigns, and Strategies
- PRL 300 - Public Relations

Sports Journalism

- JRN 340 - Sports Writing
- JRN 370 - Social Media Strategies
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)
- JRN 440 - Writing Columns and Blogs

Writing and Publishing

- JRN 370 - Social Media Strategies
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)
- JRN 440 - Writing Columns and Blogs

- JRN 460 - Investigative Reporting

Public Relations, BA

The Public Relations major seeks to develop students' skills in professional-level public relations work, including social media, event planning, media relations, campaigns for non-profits and businesses, public relations strategies, and public relations writing.

Traditional Major Program Requirements (45 units)

Lower Division Requirements

- JRN 150 - Media and Society
- JRN 170 - Writing for Mass Media
- JRN 254 - Publication Layout and Design
- PRL 202 - Introduction to Public Relations

Upper Division Requirements

- JRN 312 - Magazine and Feature Writing
- JRN 320 - Media Law, Ethics and Copyright
- JRN 349 - Editing for Print and Online Media
- JRN 397 - Publication Seminar
- PRL 300 - Public Relations
- PRL 302 - Public Relations Writing
- PRL 402 - Public Relations Research and Campaigns

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: Integrated Marketing Communication; International Public Relations; Media Relations and Writing; New Media; Strategic Communication and Planning

Integrated Marketing Communication

- COM 425 - Organizational Communication
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)
- MKT 333 - Principles of Marketing
- MKT 353 - Integrated Marketing Communications

International Public Relations

- ICS 305 - Global Perspectives
- ICS 430 - Intercultural Communications

- JRN 400 - Special Topics in Journalism *OR*
- JRN 450 - Internship in Journalism (3 units)
- PRL 430 - Principles of International Public Relations

Media Relations and Writing

- JRN 315 - News Reporting
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)
- JRN 440 - Writing Columns and Blogs
- JRN 460 - Investigative Reporting

New Media

- JRN 360 - Audio Newsgathering
- JRN 370 - Social Media Strategies
- JRN 380 - Video Newsgathering
- JRN 400 - Special Topics in Journalism **OR**
- JRN 450 - Internship in Journalism (3 units)

Strategic Communication and Planning

- COM 308 - Interpersonal Communications
- COM 425 - Organizational Communication
- JRN 370 - Social Media Strategies
- JRN 400 - Special Topics in Journalism *OR*
- JRN 450 - Internship in Journalism (3 units)

Theatre, BA

Students in the Theatre major will demonstrate their ability to prepare and present theatrical skills in the areas of design and production utilizing a variety of nationally recognized techniques.

Traditional Major Program Requirements (51-54 units)

Lower Division Requirements

- THE 111 - Fundamentals of Stagecraft
- THE 113 - Makeup for Stage and Screen
- THE 183 - Acting I: Fundamentals of Acting
- THE 211 - Introduction to Stage Design and Management

- THE 232 - Play Structure and Analysis

Lower Division Performance Practicum Requirement

Complete three (3) units from the following:

- THE 163 - Production Practicum: Performance
- THE 263 - Production Practicum: Performance

Lower Division Technical Practicum Requirement

Complete three (3) units from the following:

- THE 164 - Production Practicum: Technical
- THE 264 - Production Practicum: Technical

Upper Division Requirements

- THE 332 - Theatre History I
- THE 342 - Theatre History II
- THE 353 - Directing I
- THE 498 - Capstone Portfolio

Upper Division Performance Practicum Requirement

Complete three (3) units from the following:

- THE 363 - Production Practicum: Performance
- THE 463 - Production Practicum: Performance

Upper Division Technical Practicum Requirement

Complete three (3) units from the following:

- THE 364 - Production Practicum: Technical
- THE 464 - Production Practicum: Technical

Concentration Courses (15-18 units)

Students must complete all requirements in one of the following concentrations: Design/Technical Theatre; Performance

Design/Technical Theatre (15 units)

Lower Division Requirement

- THE 221 - Techniques in Pre-Visualization of Design

Upper Division Elective Requirements

Complete twelve (12) upper division units from the following:

- THE 313 - Advanced Makeup
- THE 431 - Advanced Design: Lighting
- THE 432 - Advanced Design: Scenery
- THE 433 - Advanced Design: Sound
- THE 434 - Advanced Design: Costume
- THE 435 - Moving Light Programming

Performance (18 units)

Core Requirements

- THE 123 - Voice and Diction for the Stage
- THE 223 - Movement for the Stage **OR**
- THE 233 - Introduction to Musical Theatre Dance
- THE 283 - Acting II: Scene Study
- THE 383 - Acting III: Acting Shakespeare
- THE 483 - Acting IV: Departures from Realism

Upper Division Elective Requirement

Complete three (3) additional units from the following:

- THE 313 - Advanced Makeup
- THE 330 - Advanced Acting for the Camera
- THE 345 - Applied Theatre
- THE 431 - Advanced Design: Lighting
- THE 432 - Advanced Design: Scenery
- THE 433 - Advanced Design: Sound
- THE 434 - Advanced Design: Costume
- THE 435 - Moving Light Programming
- THE 441 - Auditioning

Minor

Comedic Arts Minor

Traditional Minor Program Requirements (22-24 units)

Lower Division Requirements

- CMD 101 - Introduction to Stand-Up Performance

- COM 113 - Oral Communication *OR*
- THE 123 - Voice and Diction for the Stage
- THE 223 - Movement for the Stage *OR*
- THE 233 - Introduction to Musical Theatre Dance

Upper Division Requirements

- CMD 301 - History of Comedy Performance
- CMD 311 - Pantomime, Commedia and Physical Comedy
- CMD 331 - Comedy In Christian Ministries

Upper Division Elective Requirements

Complete nine (9) units from the following:

- CMD 314 - Clown Design: Costumes and Makeup
- CMD 411 - Comedy Sketch Writing for Entertainment
- CMD 482 - Improvisation and Sketch Comedy
- CMD 495 - Senior Comedy Showcase
- COM 333 - Oral Interpretation and Readers Theatre
- PRL 300 - Public Relations
- THE 330 - Advanced Acting for the Camera
- THE 353 - Directing I

Communication Studies Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirements

- COM 110/COM 210 - Forensic Workshop (3 units)
- COM 113 - Oral Communication

Upper Division Requirements

Complete fifteen (15) units from the following:

- COM 306 - Small Group Communication
- COM 308 - Interpersonal Communications
- COM 310/COM 410 - Forensic Workshop (6 unit max)
- COM 333 - Oral Interpretation and Readers Theatre
- COM 340 - Rhetoric and Persuasion
- COM 400 - Special Topics in Communication Studies
- COM 401 - Argumentation and Debate
- COM 403 - Communication Theory
- COM 405 - Rhetorical Criticism

- COM 425 - Organizational Communication
- COM 435 - Gender and Communication
- COM 450 - Internship in Communication Studies
- PRL 300 - Public Relations

Journalism and New Media Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- JRN 150 - Media and Society
- JRN 170 - Writing for Mass Media
- JRN 210 - Digital Photography
- JRN 216 - Digital Storytelling

Upper Division Requirements

- JRN 312 - Magazine and Feature Writing
- JRN 315 - News Reporting
- JRN 430 - Multimedia Reporting, Editing, and Producing

Upper Division Elective Requirement

Complete three (3) units from the following:

- JRN 310 - Advanced Digital Photography
- JRN 320 - Media Law, Ethics and Copyright
- JRN 340 - Sports Writing
- JRN 349 - Editing for Print and Online Media
- JRN 360 - Audio Newsgathering
- JRN 370 - Social Media Strategies
- JRN 380 - Video Newsgathering
- JRN 400 - Special Topics in Journalism
- JRN 440 - Writing Columns and Blogs
- JRN 460 - Investigative Reporting
- JRN 470 - Reporting and Producing for Broadcast Media

Public Relations Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- JRN 150 - Media and Society
- JRN 170 - Writing for Mass Media

- PRL 202 - Introduction to Public Relations

Upper Division Requirements

- JRN 320 - Media Law, Ethics and Copyright
- JRN 349 - Editing for Print and Online Media
- PRL 300 - Public Relations
- PRL 302 - Public Relations Writing
- PRL 402 - Public Relations Research and Campaigns

Theatre Minor

Traditional Minor Program Requirements (27 units)

Lower Division Requirements

- THE 111 - Fundamentals of Stagecraft
- THE 183 - Acting I: Fundamentals of Acting **OR**
- THE 230 - Acting for the Camera
- THE 211 - Introduction to Stage Design and Management

Lower Division Practicum Requirement

Complete three (3) units from the following:

- THE 163 - Production Practicum: Performance
- THE 164 - Production Practicum: Technical
- THE 263 - Production Practicum: Performance
- THE 264 - Production Practicum: Technical

Upper Division Elective Requirements

Twelve (12) upper division units in Theatre *

* A maximum of three (3) units from the following may be applied to the minor:

- THE 363 - Production Practicum: Performance
- THE 364 - Production Practicum: Technical
- THE 463 - Production Practicum: Performance
- THE 464 - Production Practicum: Technical

Elective Requirement

- Three (3) additional lower or upper division units in Theatre *

Department of History and Government

Dr. Christopher McHorney

Chair

Ms. Donna Hebert-Pfeiffer

Department Secretary

Phone 951.343.4656

FAX 951.343.4520

dhebert@calbaptist.edu

Faculty Information

The mission of the Department of History and Government is to teach students to recognize, analyze, and engage the central issues of human existence in a historical and political context and, as citizens, pursue integration of faith in learning and living. Consistent with this mission, the Department of History and Government provides a theoretical foundation and practical experience in preparation for a wide range of career opportunities. Positions in public and private education, public service, public safety, law enforcement, ministry, higher education, and graduate study in various fields including law, political science, and history are supported by the Department.

Major

Criminal Justice, BS

The Criminal Justice prepares students for careers in a variety of local, state, and federal law enforcement agencies, and for graduate study in related fields.

Traditional Major Program Requirements (42 units)

Lower Division Requirements

- CJS 113 - Introduction to Criminal Justice
- POL 213 - American Government
- POL 223 - State and Local Government

Upper Division Requirements

- CJS 301 - Fundamentals of Criminal Law
- CJS 321 - Courts and Criminal Procedures
- CJS 331 - Police Systems and Practices
- CJS 341 - Minorities and the Criminal Justice System
- CJS 485 - Methods of Research for Criminal Justice
- CJS 496 - Institutional and Community Corrections
- CJS 499 - Senior Project
- POL 485 - Constitutional Law II

Upper Division Elective Requirements

Complete nine (9) units from the following:

- CJS 400 - Special Topics
- CJS 401 - Crime and Delinquency
- CJS 402 - Hate Crime
- CJS 421 - Narcotics
- CJS 441 - Fundamentals of Criminal Investigation and Report Writing
- CJS 497 - Comparative Criminal Justice

History, BA

The History major equips students for graduate study in history, the humanities, and secondary education. The History curriculum provides courses in two areas of study, American Studies and World Studies. Some requirements may be met through study abroad opportunities. (See the Education section for the Professional Methods Program for Single Subject Credential Students.)

Traditional Major Program Requirements (36 units)

Lower Division Requirements

- HIS 213 - History of the United States to Reconstruction
- HIS 223 - History of the United States since the Civil War
- HUM 213 - Humanities I
- HUM 223 - Humanities II

Upper Division Requirements

- HIS 490 - Historiography
- HIS 499 - Senior Project

American History Elective Requirement

Complete three (3) units from the following:

- HIS 311 - Minorities in America
- HIS 383 - The West in American History
- HIS 393 - History of California
- HIS 401 - Special Topics in U.S. History
- HIS 472 - Colonial America, 1607-1787
- HIS 474 - Early American Republic, 1787-1848
- HIS 475 - The Civil War and Its Political Crises, 1848-1865
- HIS 476 - The Emergence of Modern America, 1865-1919
- HIS 478 - Modern America, 1920-1989

European History Elective Requirement

Complete three (3) units from the following:

- HIS 333 - Nineteenth Century Europe
- HIS 343 - Twentieth Century Europe
- HIS 353 - Renaissance and Reformation Europe
- HIS 360 - Enlightenment Europe
- HIS 363 - History of England to 1688
- HIS 373 - History of England since 1688
- HIS 403 - Special Topics in European History
- HIS 435 - The Holocaust: Historiographic, Philosophic and Religious Perspectives
- HIS 436 - Ethics After the Holocaust
- HIS 437 - Studies in the Holocaust: Perpetrators and Victims, Rescuers, and Bystanders

World History Elective Requirement

Complete three (3) units from the following:

- HIS 305 - History of China
- HIS 315 - Latin American History
- HIS 325 - Non-Western Culture and History
- HIS 404 - Special Topics in World History
- HIS 420 - The Classical World
- HIS 423 - Medieval Civilization
- HIS 430 - Cross and the Crescent

Upper Division Elective Requirements

Complete nine (9) additional upper division units in History.*

*Students may also apply the following to the upper division history elective requirement:

- CST 360 - Church History
- HUM 325 - Culture and the Museum
- HUM 335 - The Holocaust and the Humanities
- PHI 301 - History of Western Philosophy I
- PHI 302 - History of Western Philosophy II
- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy
- POL 427 - American Political Theory
- POL 429 - Critical Political Philosophy and Postmodernism
- POL 443 - Diplomatic History of the United States

Optional Concentration in Holocaust Studies (12 units)

Complete twelve (12) units from the following:

The Holocaust studies concentration requires the completion of twelve (12) units beyond the major.

- HIS 343 - Twentieth Century Europe
- HIS 435 - The Holocaust: Historiographic, Philosophic and Religious Perspectives
- HIS 436 - Ethics After the Holocaust
- HIS 437 - Studies in the Holocaust: Perpetrators and Victims, Rescuers, and Bystanders
- HUM 335 - The Holocaust and the Humanities

International Studies, BA

International Studies is an interdisciplinary major that helps prepare students to work with for-profit and non-profit organizations, government agencies, or ministries that have a global footprint. In addition to completing an interdisciplinary core, International Studies majors will select a discipline-specific concentration and satisfy a cross-cultural experience requirement.

Traditional Major Program Requirements (54 units)

Lower Division Requirements

- ANT 225 - Cultural Anthropology
- BUS 218 - Macroeconomics
- ICS 105 - Introduction to Global Studies
- POL 250 - Introduction to International Politics
- POL 255 - Introduction to Comparative Politics

Upper Division Requirements

- ANT 350 - Language and Culture
- ENG 463 - Language Structure and Acquisition
- HIS 325 - Non-Western Culture and History
- ICS 430 - Intercultural Communications
- POL 395 - Political Economy
- POL 415 - World Geography
- POL 437 - Globalization
- POL 450 - Research Methods in Political Science
- POL 499 - Senior Project

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations:
International Business; International Relations; Global Ministry

International Business

- BUS 334 - International Business
- BUS 454 - International Management
- MKT 333 - Principles of Marketing
- MKT 444 - International Marketing

International Relations

- POL 350 - International Relations Theory
- POL 439 - International Conflict
- POL 444 - International Law
- POL 454 - International Organizations

Global Ministry

- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- ICS 405 - Marketplace Strategies for Global Advancement
- PHI 353 - Comparative Religions

Cross Cultural Experience Requirement

Students may satisfy the Cross Cultural Experience Requirement with a semester long education and/or ministry experience in a foreign country or International Service Projects in two different countries. The chair of the Department of History and Government must approve all cross cultural experiences used by students to meet this requirement.

General Education Requirement

Complete the foreign language competency requirement with a modern foreign language.

Political Science Major with Pre-Law Emphasis, BA

The Political Science Major with an emphasis in Pre-Law is a partnership 3+3 program between California Baptist University and Trinity Law School. The program provides students majoring in Political Science with the opportunity to prepare themselves to succeed in law school and to complete a baccalaureate degree and Doctor of Jurisprudence degree in six years. Trinity Law School is accredited by the Committee of Bar Examiners of the State Bar of California.

Traditional Major Program Requirements (42 units)

Lower Division Requirements

- POL 213 - American Government
- POL 223 - State and Local Government

Upper Division Requirements

- POL 431 - Christianity and Citizenship
- POL 450 - Research Methods in Political Science
- POL 499 - Senior Project

Pre-Law Requirements

- PHI 300 - Logic
- PHI 323 - Ethics
- PHI 324 - Applied Ethics
- POL 330 - Law and Literature
- POL 440 - Pre-Law Internship (3 units)
- POL 453 - Administrative Law and Bureaucracy
- POL 484 - Constitutional Law I

Political Philosophy Requirement

Complete six (6) units from the following:

- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy
- POL 429 - Critical Political Philosophy and Postmodernism

Additional 3+3 Program Requirements

Maintain a minimum 3.0 cumulative grade point average to sustain candidacy in the 3+3 program.

Complete all CBU residency and general education requirements *

Complete all requirements for the Political Science Major with a Pre-Law Emphasis *

Complete a minimum of ninety-eight (98) semester units of undergraduate study. *

Receive an LSAT score of 143 or higher by the first semester of the junior year

Complete the Trinity Law School application process by the first semester of the junior year

* Requirement must be satisfied prior to transfer to Trinity Law School.

Transfer Course 3+3 Program Requirements

Successfully complete and transfer the first year legal studies coursework from Trinity Law School *

* A maximum of thirty (30) units may be transferred and are subject to the transfer restriction policies. Coursework completed at Trinity Law School will not be computed into the California Baptist University grade point average.

Political Science, BA

The Political Science major provides students with theoretical foundations and practical experience in preparation for opportunities available in the fields of political science and public administration, including career positions with local, state and federal governments; fellowship posts for graduate and legal studies; careers in education and various levels of political leadership. Students are encouraged to seek internship opportunities through the department. (See the Single Subject Credential section for the Professional Methods Program for Single Subject Credential Students.)

Traditional Major Program Requirements (39 units)

Lower Division Requirement

- POL 213 - American Government

Lower Division Elective Requirements

Complete three (3) units from the following:

- POL 223 - State and Local Government
- POL 250 - Introduction to International Politics
- POL 255 - Introduction to Comparative Politics

Upper Division Requirements

- POL 431 - Christianity and Citizenship
- POL 450 - Research Methods in Political Science
- POL 499 - Senior Project

American Institutions and Processes Elective Requirement

Complete three (3) units from the following:

- POL 323 - Political Parties and Interest Groups
- POL 390 - Congress and the Presidency
- POL 395 - Political Economy
- POL 435 - Campaigns and Elections
- POL 465 - Policy Process and Analysis
- POL 484 - Constitutional Law I
- POL 485 - Constitutional Law II

International Relations Elective Requirement

Complete three (3) units from the following:

- POL 350 - International Relations Theory
- POL 415 - World Geography
- POL 437 - Globalization
- POL 439 - International Conflict
- POL 443 - Diplomatic History of the United States
- POL 444 - International Law
- POL 454 - International Organizations
- POL 471 - Terrorism

Political Philosophy Elective Requirement

Complete three (3) units from the following:

- POL 395 - Political Economy

- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy
- POL 427 - American Political Theory
- POL 429 - Critical Political Philosophy and Postmodernism

Pre-Law Elective Requirement

Complete three (3) units from the following:

- CJS 301 - Fundamentals of Criminal Law
- CJS 321 - Courts and Criminal Procedures
- PHI 300 - Logic **OR**
- PHI 324 - Applied Ethics
- POL 330 - Law and Literature
- POL 444 - International Law
- POL 453 - Administrative Law and Bureaucracy
- POL 484 - Constitutional Law I
- POL 485 - Constitutional Law II

Public Administration Elective Requirement

Complete three (3) units from the following:

- POL 395 - Political Economy
- POL 451 - Executive Leadership and Management in the Public Sector
- POL 453 - Administrative Law and Bureaucracy
- POL 465 - Policy Process and Analysis
- POL 491 - Public Personnel Management
- POL 493 - Principles of Public Administration

Concentration Courses (9 units)

Students must complete at least nine (9) units, not completed in the core, in one of the following concentrations: American Institutions and Processes; International Relations; Political Philosophy; Pre-Law; Public Administration. Political Science majors may not use any one course to satisfy two or more concentration requirements.

American Institutions and Processes

Complete nine (9) units from the following:

- POL 323 - Political Parties and Interest Groups
- POL 390 - Congress and the Presidency
- POL 395 - Political Economy
- POL 435 - Campaigns and Elections
- POL 445 - American Institutions and Processes Internship
- POL 465 - Policy Process and Analysis
- POL 484 - Constitutional Law I

- POL 485 - Constitutional Law II

International Relations

Complete nine (9) units from the following:

- POL 350 - International Relations Theory
- POL 415 - World Geography
- POL 437 - Globalization
- POL 439 - International Conflict
- POL 443 - Diplomatic History of the United States
- POL 444 - International Law
- POL 446 - International Relations Internship
- POL 454 - International Organizations
- POL 471 - Terrorism

Political Philosophy

Complete nine (9) units from the following:

- POL 395 - Political Economy
- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy
- POL 427 - American Political Theory
- POL 429 - Critical Political Philosophy and Postmodernism

Pre-Law

Complete nine (9) units from the following:

Recommend completion of POL 484 and POL 485

- CJS 301 - Fundamentals of Criminal Law
- CJS 321 - Courts and Criminal Procedures
- PHI 300 - Logic **OR**
- PHI 324 - Applied Ethics
- POL 330 - Law and Literature
- POL 440 - Pre-Law Internship
- POL 444 - International Law
- POL 453 - Administrative Law and Bureaucracy
- POL 484 - Constitutional Law I
- POL 485 - Constitutional Law II

Public Administration

Complete nine (9) units from the following:

- POL 395 - Political Economy
- POL 447 - Public Administration Internship

- POL 451 - Executive Leadership and Management in the Public Sector
- POL 453 - Administrative Law and Bureaucracy
- POL 465 - Policy Process and Analysis
- POL 491 - Public Personnel Management
- POL 493 - Principles of Public Administration

Minor

Classics Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- GRK 213 - Introduction to Koiné Greek I
- GRK 223 - Introduction to Koiné Greek II
- LAT 115 - Latin I
- LAT 125 - Latin II

Upper Division Requirements

- ENG 323 - Classical Literature
- HIS 420 - The Classical World
- PHI 301 - History of Western Philosophy I
- POL 423 - Classical Political Philosophy

Criminal Justice Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirement

- CJS 113 - Introduction to Criminal Justice

Upper Division Requirements

- CJS 301 - Fundamentals of Criminal Law
- CJS 331 - Police Systems and Practices
- CJS 496 - Institutional and Community Corrections

Upper Division Elective Requirements

Complete nine (9) additional units from the following:

- CJS 321 - Courts and Criminal Procedures

- CJS 341 - Minorities and the Criminal Justice System
- CJS 400 - Special Topics
- CJS 401 - Crime and Delinquency
- CJS 402 - Hate Crime
- CJS 421 - Narcotics
- CJS 441 - Fundamentals of Criminal Investigation and Report Writing
- CJS 485 - Methods of Research for Criminal Justice
- CJS 497 - Comparative Criminal Justice
- POL 493 - Principles of Public Administration

History Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- HIS 213 - History of the United States to Reconstruction
- HIS 223 - History of the United States since the Civil War
- HUM 213 - Humanities I
- HUM 223 - Humanities II

Upper Division Requirement

- HIS 490 - Historiography

Upper Division Elective Requirements

Nine (9) additional upper division units in History

Note

Students may also apply the following to the upper division history elective requirement.

- HUM 325 - Culture and the Museum
- HUM 335 - The Holocaust and the Humanities
- PHI 301 - History of Western Philosophy I
- PHI 302 - History of Western Philosophy II
- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy
- POL 427 - American Political Theory
- POL 429 - Critical Political Philosophy and Postmodernism
- POL 443 - Diplomatic History of the United States

Humanities Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirements

- HUM 213 - Humanities I
- HUM 223 - Humanities II

Upper Division Requirements

- HIS 325 - Non-Western Culture and History
- HUM 325 - Culture and the Museum
- HUM 335 - The Holocaust and the Humanities
- HUM 400 - Special Topics in Humanities

Political Science Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirements

- POL 213 - American Government
- POL 223 - State and Local Government

Upper Division Requirements

- POL 395 - Political Economy
- Complete twelve (12) upper division units in Political Science

Certificate

Pre-Law Certificate

The department strongly recommends a double major in Political Science and Philosophy for those students who are planning to enter law school. The department also offers a Pre-Law certificate program, and provides a full range of counseling services in preparation for law school. The Pre-Law certificate offers a specific series of courses intended to prepare students for both the LSAT and law school. The Pre-Law certificate is issued by the Office of the University Registrar upon student request and completion of the below courses. Students can also receive active advice for the LSAT examination. Dr. James Bishop serves as the Pre-Law program advisor.

Traditional Certificate Program Requirements (33 units)

Lower Division Requirements

- POL 213 - American Government
- POL 223 - State and Local Government

Upper Division Requirements

- PHI 300 - Logic
- PHI 323 - Ethics
- PHI 324 - Applied Ethics
- POL 330 - Law and Literature
- POL 440 - Pre-Law Internship (3 units)
- POL 453 - Administrative Law and Bureaucracy
- POL 484 - Constitutional Law I

Upper Division Elective Requirements

Complete six (6) units from the following:

- PHI 363 - Metaphysics **OR**
- POL 423 - Classical Political Philosophy **OR**
- POL 425 - Modern Political Philosophy **OR**
- POL 429 - Critical Political Philosophy and Postmodernism

Upper Division Breadth Elective Requirement

Complete one course from the following that is not included in the student's general education core curriculum:

- ENG 303 - Topics in World Literature
- ENG 313 - Multicultural Literature
- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 345 - Nineteenth Century American Literature
- ENG 403 - The British Novel until 1900
- ENG 413 - Shakespeare Studies
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 460 - Modern and Contemporary British Literature

Public Administration Certificate

Designed primarily for government employees and persons seeking employment in the public sector, the program for a certificate in Public Administration provides both practical and theoretical training in this field. The Public Administration certificate is issued by the Office of the University Registrar upon student request and completion of the below courses.

Traditional Certificate Program Requirements (18 units)

Certificate Requirements

- POL 395 - Political Economy
- POL 451 - Executive Leadership and Management in the Public Sector
- POL 453 - Administrative Law and Bureaucracy
- POL 465 - Policy Process and Analysis
- POL 491 - Public Personnel Management
- POL 493 - Principles of Public Administration

Department of Modern Languages and Literature

Dr. James Lu

Chair

Ms. Rosemary Welsh

Department Secretary

Phone 951.343.4590

FAX 951.343.4661

rwelsh@calbaptist.edu

Faculty Information

The Modern Languages and Literature Department offers a variety of courses in language acquisition, composition, literature, critical theory, cultural studies, linguistics, digital literary studies, and creative writing.

The English and Creative Writing Programs are dedicated to fostering students' interests and abilities. English and Creative Writing provide students across disciplines with dynamic General Education opportunities to develop foundations in reading, writing, critical thinking, and interpretation. English and Creative Writing majors are drawn to our undergraduate curriculum because it prepares them for future careers embracing a wide range of professions and ministries: to become teachers in secondary education; to go into journalism, library science, or publishing; to embark on Christian missions; to work in commerce, industry, and government; to succeed as creative writers; or to further education by attending graduate schools of law, medicine, business, literature, etc. As a double-major or minor, English and Creative Writing provides students a valuable means of enriching their future professions. The department also offers a masters program in English. Liberal Studies majors may seek a concentration in English, which affords them an area of specialization within the Multiple Subjects credential. Students interested in teaching English at secondary schools or to speakers of other languages are encouraged to contact program instructors or advisors.

The program in Spanish currently serves students seeking a major or minor in Spanish as well as fulfilling General Education requirements. Our primary goal is to enable students, through carefully-designed course sequences, to gain a bilingual proficiency and multicultural adaptability so that they are well-equipped for future professional and ministerial careers where linguistic and cultural knowledge in Spanish is imperative. Lower-division courses train students in basic communication skills. Upper-division classes guide students into areas where special attention goes to interactions between and among language, history, culture, politics, economics, psychology and all other aspects of real life. Students who have taken two or more years of Spanish in high school or college may choose to take a placement test administered by the department in order to be exempt from lower-division requirements. (Note: in this case, however, no credit shall be given for placing out of lower-division courses.) For those who begin the program with a linguistic ability above the intermediate level, it is wise to consult program instructors or advisors for an appropriate, well-constructed academic plan.

Major

Creative Writing, BFA

The Creative Writing major allows students to write fiction and poetry in multi-tiered workshops that culminate in a final writing project of publishable quality. The program offers instruction in other genres of writing and in literary editing and publishing, and it includes substantial coursework in literature. The skills students acquire in this program will equip them for all types of careers where keen, lucid writing is expected, whether analytical, editorial, or creative. This program also prepares students for graduate study in both Creative Writing and English.

Traditional Major Program Requirements (50-51 units)

Lower Division Requirements

- ENG 201 - Introduction to Literature
- ENG 273 - Introduction to Creative Writing

Lower Division Elective Requirements

Complete six (6) units from the following:

- ENG 213 - Survey of British Literature I
- ENG 223 - Survey of British Literature II
- ENG 233 - Survey of American Literature I
- ENG 243 - Survey of American Literature II
- ENG 253 - Survey of World Literature I
- ENG 263 - Survey of World Literature II

Upper Division Requirements

- ENG 431 - Literary Journal Editing and Publishing
- ENG 498 - Capstone in Creative Writing

Upper Division Creative Writing Requirements

Complete one of the following sequences:

- ENG 384 - Writing Fiction
 - ENG 484 - Advanced Fiction Writing
- OR*
- ENG 385 - Writing Poetry
 - ENG 485 - Advanced Poetry Writing

Upper Division Creative Writing Elective Requirements

Complete six (6) additional creative writing units from the following:

- ENG 384 - Writing Fiction
- ENG 385 - Writing Poetry
- ENG 386 - Writing Creative Nonfiction
- ENG 411 - Special Topics in Creative Writing
- ENG 484 - Advanced Fiction Writing
- ENG 485 - Advanced Poetry Writing

Upper Division Writing Elective Requirement

Complete three (3) additional creative writing units from the following:

- ENG 384 - Writing Fiction
- ENG 385 - Writing Poetry
- ENG 386 - Writing Creative Nonfiction
- ENG 411 - Special Topics in Creative Writing

- ENG 484 - Advanced Fiction Writing
- ENG 485 - Advanced Poetry Writing
- FLM 301 - Basic Screenwriting
- JRN 312 - Magazine and Feature Writing
- THE 424 - Scriptwriting

Upper Division Editing, Language, and Theory Elective Requirements

Complete six (6) units from the following:

- COM 405 - Rhetorical Criticism
- ENG 350 - Research and Writing in Literature and Language
- ENG 401 - Literary Theory and Criticism
- ENG 454 - Writing in Context
- ENG 463 - Language Structure and Acquisition
- JRN 349 - Editing for Print and Online Media
- PHI 312 - Aesthetics

Upper Division Literature Elective Requirements

Complete six (6) units of literature from the following:

- ENG 303 - Topics in World Literature
- ENG 313 - Multicultural Literature
- ENG 323 - Classical Literature
- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 345 - Nineteenth Century American Literature
- ENG 355 - Folklore and Fairy Tales
- ENG 365 - Christian Classics
- ENG 400 - Special Topics in English
- ENG 403 - The British Novel until 1900
- ENG 413 - Shakespeare Studies
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 460 - Modern and Contemporary British Literature

Upper Division Literature and the Arts Elective Requirements

Complete five to six (5-6) additional units from the following:

- ART 346 - History of Modern Painting
- ART 385 - Film as Visual Art
- COM 333 - Oral Interpretation and Readers Theatre
- ENG 303 - Topics in World Literature
- ENG 313 - Multicultural Literature
- ENG 323 - Classical Literature

- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 345 - Nineteenth Century American Literature
- ENG 350 - Research and Writing in Literature and Language
- ENG 353 - Introduction to Children's Literature
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 363 - Introduction to Young Adult Literature
- ENG 365 - Christian Classics
- ENG 400 - Special Topics in English
- ENG 401 - Literary Theory and Criticism
- ENG 403 - The British Novel until 1900
- ENG 413 - Shakespeare Studies
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 454 - Writing in Context
- ENG 460 - Modern and Contemporary British Literature
- ENG 463 - Language Structure and Acquisition
- FLM 350 - Film and Literature
- FLM 470 - Adaptation and Intertextuality
- MUS 332 - Psalms, Hymns, and Spiritual Songs
- THE 332 - Theatre History I
- THE 342 - Theatre History II

English, BA

English majors actively engage with literature from classical to contemporary authors. The program cultivates close analysis of literary texts and relevant contexts as well as develops students' skills in mindful interpretation through the study and application of literary theory. Students reflect upon and respond to literature from diverse cultures, perspectives, and genres, discussing literature in terms of their own worldview as well as Biblical principles. The English major prepares students for careers in a wide range of professions and ministries including secondary education; writing, editing, and publishing; commerce, industry, and government; and graduate study. Students interested in English Subject Matter Competence should contact the program advisor. English majors are encouraged to consult and collaborate with program instructors to develop the best approach to their studies.

Traditional Major Program Requirements (39-51 units)

Lower Division Requirements

- ENG 201 - Introduction to Literature
- ENG 213 - Survey of British Literature I **OR**
- ENG 223 - Survey of British Literature II
- ENG 233 - Survey of American Literature I **OR**
- ENG 243 - Survey of American Literature II

- ENG 253 - Survey of World Literature I **OR**
- ENG 263 - Survey of World Literature II

Upper Division Requirements

- ENG 313 - Multicultural Literature
- ENG 350 - Research and Writing in Literature and Language
- ENG 401 - Literary Theory and Criticism
- ENG 413 - Shakespeare Studies
- ENG 463 - Language Structure and Acquisition
- ENG 499 - Capstone Project

Upper Division Elective Requirements

Complete six (6) additional upper division units from the following:

Students completing the Creative Writing concentration must select courses not included in the concentration.

- ENG 303 - Topics in World Literature
- ENG 323 - Classical Literature
- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 345 - Nineteenth Century American Literature
- ENG 353 - Introduction to Children's Literature
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 363 - Introduction to Young Adult Literature
- ENG 365 - Christian Classics
- ENG 399 - Independent Study
- ENG 400 - Special Topics in English
- ENG 403 - The British Novel until 1900
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 460 - Modern and Contemporary British Literature

Additional Upper Division Elective Requirement

Complete three (3) additional upper division units from the following:

Students completing the Creative Writing concentration must select courses not included in the concentration.

- ENG 303 - Topics in World Literature
- ENG 323 - Classical Literature
- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature

- ENG 345 - Nineteenth Century American Literature
- ENG 353 - Introduction to Children's Literature
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 363 - Introduction to Young Adult Literature
- ENG 365 - Christian Classics
- ENG 399 - Independent Study
- ENG 400 - Special Topics in English
- ENG 403 - The British Novel until 1900
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 454 - Writing in Context
- ENG 460 - Modern and Contemporary British Literature
- FLM 340 - Major Directors
- FLM 350 - Film and Literature
- POL 330 - Law and Literature
- THE 342 - Theatre History II

Optional Concentrations (12 units)

Students can earn optional concentrations in one of the following areas: Creative Writing; Digital Literary Studies

*Each optional concentration requires the completion of a minimum of twelve (12) distinct units beyond the major. Students completing a minor in Creative Writing are not eligible to complete the Creative Writing concentration; students completing a minor in Writing and Digital Studies are not eligible to complete the Digital Literary Studies concentration.

Creative Writing

Upper Division Requirements

Complete nine (9) upper division units from the following:

- ENG 384 - Writing Fiction
- ENG 385 - Writing Poetry
- ENG 386 - Writing Creative Nonfiction
- ENG 411 - Special Topics in Creative Writing
- ENG 431 - Literary Journal Editing and Publishing
- ENG 484 - Advanced Fiction Writing
- ENG 485 - Advanced Poetry Writing

Upper Division Writing Elective Requirement

Complete three (3) additional upper division units from the following:

- ENG 384 - Writing Fiction

- ENG 385 - Writing Poetry
- ENG 386 - Writing Creative Nonfiction
- ENG 411 - Special Topics in Creative Writing
- ENG 431 - Literary Journal Editing and Publishing
- ENG 484 - Advanced Fiction Writing
- ENG 485 - Advanced Poetry Writing
- FLM 301 - Basic Screenwriting
- JRN 312 - Magazine and Feature Writing
- THE 424 - Scriptwriting

Digital Literary Studies

Upper Division Requirements

- ENG 302 - Professional Writing
- ENG 382 - Introduction to Digital Studies

Upper Division Elective Requirement

Complete three (3) additional upper division units from the following:

- ENG 431 - Literary Journal Editing and Publishing
- ENG 454 - Writing in Context
- ENG 491 - Internship

Additional Upper Division Elective Requirement

Complete three (3) additional upper division units from the following:

- ENG 303 - Topics in World Literature
- ENG 323 - Classical Literature
- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 345 - Nineteenth Century American Literature
- ENG 353 - Introduction to Children's Literature
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 363 - Introduction to Young Adult Literature
- ENG 365 - Christian Classics
- ENG 399 - Independent Study
- ENG 400 - Special Topics in English
- ENG 403 - The British Novel until 1900
- ENG 431 - Literary Journal Editing and Publishing
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature

- ENG 454 - Writing in Context
- ENG 460 - Modern and Contemporary British Literature
- ENG 491 - Internship

Spanish, BA

(also see Spanish for Healthcare Professions Minor)

The Spanish major is designed to provide students with a quality undergraduate preparation for careers in teaching, translation and interpretation while also serving as a useful preparation for missionaries, business administrators, social workers, health care professionals, journalists, and for graduate studies. Since bilingual proficiency and multicultural adaptability are an integral part of the Spanish program, students with a major, minor, or concentration in Spanish are encouraged to participate in study abroad opportunities in Spanish-speaking countries.

Traditional Major Program Requirements (36 units)

Prerequisites

- SPA 115 - Elementary Spanish I
- SPA 125 - Elementary Spanish II

Lower Division Requirements

Replace with upper division units in Spanish for students fluent in the Spanish language.

- SPA 213 - Intermediate Spanish I
- SPA 223 - Intermediate Spanish II
- SPA 233 - Intermediate Conversational Spanish

Upper Division Requirements

- HIS 315 - Latin American History
- SPA 324 - Iberian Civilization and Culture
- SPA 325 - Spanish Grammar in Context and Composition
- SPA 345 - Survey of Iberian Literature I
- SPA 365 - Survey of Iberian Literature II
- SPA 414 - Latin American Literature I
- SPA 424 - Latin American Literature II
- SPA 499 - Capstone
- Three (3) additional upper division units in Spanish

Optional Concentration (12 units*)

Students can earn an optional concentration in Hispanic Literature and Film by completing the Hispanic Literature and Film certificate requirements.

* The optional concentration requires the completion of twelve (12) distinct units beyond the major.

Subject Matter Preparation Program in Spanish

The Single Subject Matter Preparation (SSMP) Program in Spanish consists of approved Spanish courses selected to provide undergraduate students the academic background necessary to qualify them to teach Spanish courses in grades seven through twelve. To obtain a Single Subject Credential in Spanish the student must

1. Obtain an undergraduate degree.
2. Demonstrate subject competence in Spanish in one of two ways: Earn a passing score on a Spanish examination that has been adopted by the Commission on Teacher Credentialing or complete a commission approved SSMP program. The SSMP Program from CBU is an approved CTC program.
3. Complete a teaching credential program.

Students interested in the Subject Matter Preparation Program should contact their Faculty Advisor in the Spanish Department. Students seeking a teaching credential should contact the Teacher Education Credential Program within the School of Education. (Also see Preliminary Single Subject Credential for the Professional Methods Program for Single Subject Credential Students.)

Minor

Children's Literature Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirement

- ENG 201 - Introduction to Literature

Upper Division Requirements

- ENG 353 - Introduction to Children's Literature
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 363 - Introduction to Young Adult Literature

Upper Division Elective Requirement

Complete three (3) additional units from the following:

- ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities
- ENG 313 - Multicultural Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 403 - The British Novel until 1900
- ENG 463 - Language Structure and Acquisition
- PSY 305 - Developmental Psychology: Child
- THE 312 - Drama in the Classroom

Creative Writing Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirement

- ENG 273 - Introduction to Creative Writing

Upper Division Requirements

Complete one of the following sequences:

- ENG 384 - Writing Fiction
- ENG 484 - Advanced Fiction Writing
- OR**
- ENG 385 - Writing Poetry
- ENG 485 - Advanced Poetry Writing

Upper Division Writing Elective Requirements

Complete six (6) units from the following:

- ENG 384 - Writing Fiction
- ENG 385 - Writing Poetry
- ENG 386 - Writing Creative Nonfiction
- ENG 411 - Special Topics in Creative Writing
- ENG 431 - Literary Journal Editing and Publishing
- ENG 484 - Advanced Fiction Writing
- ENG 485 - Advanced Poetry Writing

Upper Division Elective Requirement

Complete three (3) additional units from the following:

- ENG 384 - Writing Fiction
- ENG 385 - Writing Poetry
- ENG 386 - Writing Creative Nonfiction
- ENG 411 - Special Topics in Creative Writing
- ENG 431 - Literary Journal Editing and Publishing
- ENG 484 - Advanced Fiction Writing
- ENG 485 - Advanced Poetry Writing
- FLM 301 - Basic Screenwriting
- JRN 312 - Magazine and Feature Writing
- THE 424 - Scriptwriting

English Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirement

- ENG 201 - Introduction to Literature

Lower Division Elective Requirement

Complete three (3) units from the following:

- ENG 213 - Survey of British Literature I
- ENG 223 - Survey of British Literature II
- ENG 233 - Survey of American Literature I
- ENG 243 - Survey of American Literature II
- ENG 253 - Survey of World Literature I
- ENG 263 - Survey of World Literature II

Upper Division Requirements

Complete twelve (12) upper division units in English

Recommended:

- ENG 313 - Multicultural Literature
- ENG 350 - Research and Writing in Literature and Language
- ENG 401 - Literary Theory and Criticism
- ENG 413 - Shakespeare Studies

Spanish for Healthcare Professions Minor

The Spanish for Healthcare Professions minor provides concentrated preparation in the study of language and culture in the healthcare field. Given the ever-growing need for bilingual doctors, nurses, and other health care professionals due to the consistently growing population of Spanish speakers in the US, students graduating with this minor will be well equipped and at an advantage to many of their peers when applying for positions within the healthcare professions.

Traditional Minor Program Requirements (18 units)

Prerequisites

- SPA 110 - Spanish for Health Care Professionals I **OR**
- SPA 115 - Elementary Spanish I
- SPA 120 - Spanish for Health Care Professionals II **OR**

- SPA 125 - Elementary Spanish II

Lower Division Requirements

Replace with upper division units in Spanish for students fluent in the Spanish language.

- SPA 213 - Intermediate Spanish I
- SPA 223 - Intermediate Spanish II

Upper Division Requirements

- SPA 335 - Spanish in the Professions
- SPA 337 - Advanced Spanish for Healthcare Professions
- SPA 465 - Spanish-English Translation and Interpretation

Upper Division Elective Requirement

- Complete three (3) additional units in Spanish

Spanish Minor

Traditional Minor Program Requirements (18 units)

Prerequisites

- SPA 115 - Elementary Spanish I
- SPA 125 - Elementary Spanish II

Lower Division Requirements

*Replace with upper division units in Spanish for students fluent in the Spanish language.

- SPA 213 - Intermediate Spanish I *
- SPA 223 - Intermediate Spanish II *

Upper Division Requirements

- SPA 315 - Oral Traditions
- SPA 325 - Spanish Grammar in Context and Composition
- Six (6) additional upper division units in Spanish

TESOL Minor

(Teachers of English to Speakers of Other Languages) The TESOL minor includes concentrated coursework in TESOL designed for students from all disciplines who wish to supplement their academic interest or goals. The TESOL minor

is especially valuable for students who seek work or ministry opportunities - at home or abroad - with speakers of languages other than English.

Traditional Minor Program Requirements (18 units)

Upper Division Requirements

- ENG 432 - Sociolinguistics
- ENG 442 - Teaching Second Language Writing
- ENG 446 - Teaching Second Language Reading
- ENG 452 - Second Language Curriculum Development and Assessment
- ENG 463 - Language Structure and Acquisition
- ENG 472 - Theory and Methods of TESOL

Writing and Digital Studies Minor

The Writing and Digital Studies minor is designed to complement a broad range of majors and to prepare students for professional writing in a digital environment by developing and translating their written, analytical, and research skills into the workplace. It explores a variety of digital platforms for both analysis and expression.

Traditional Minor Program Requirements (18 units)

Lower Division Requirements

- ENG 201 - Introduction to Literature **OR**
- ENG 273 - Introduction to Creative Writing

- JRN 216 - Digital Storytelling **OR**
- HUM 213 - Humanities I **OR**
- HUM 223 - Humanities II

Lower Division Elective Requirement

Complete three (3) units from the following:

- ENG 213 - Survey of British Literature I
- ENG 223 - Survey of British Literature II
- ENG 233 - Survey of American Literature I
- ENG 243 - Survey of American Literature II
- ENG 253 - Survey of World Literature I
- ENG 263 - Survey of World Literature II

Upper Division Requirements

- ENG 302 - Professional Writing
- ENG 382 - Introduction to Digital Studies

Writing and Practical Application Elective Requirement

Complete three (3) units from the following:

- ENG 431 - Literary Journal Editing and Publishing
- ENG 454 - Writing in Context
- ENG 491 - Internship

Upper Division Breadth Elective Requirement

Complete three (3) units from the following:

- ART 351 - Museum Studies
- ART 385 - Film as Visual Art
- ART 387 - Contemporary Visual Arts and Culture
- ART 430 - Art and the Bible
- ENG 303 - Topics in World Literature
- ENG 323 - Classical Literature
- ENG 333 - Seventeenth Century British Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 353 - Introduction to Children's Literature
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 363 - Introduction to Young Adult Literature
- ENG 365 - Christian Classics
- ENG 399 - Independent Study
- ENG 400 - Special Topics in English
- ENG 403 - The British Novel until 1900
- ENG 431 - Literary Journal Editing and Publishing
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 454 - Writing in Context
- ENG 460 - Modern and Contemporary British Literature
- ENG 491 - Internship
- FLM 305 - Christianity and Film
- FLM 350 - Film and Literature
- HIS 440 - History Through Film
- HUM 325 - Culture and the Museum
- JRN 320 - Media Law, Ethics and Copyright
- JRN 349 - Editing for Print and Online Media
- JRN 370 - Social Media Strategies
- POL 330 - Law and Literature

Certificate

Advanced Proficiency in Written and Oral Spanish Certificate

The Advanced Proficiency in Written and Oral Spanish Certificate is issued by the Office of the University Registrar upon student request and completion of the below courses.

Traditional Certificate Program Requirements

Certificate Requirements

* Replace with upper division units in Spanish for students fluent in the Spanish language.

- SPA 213 - Intermediate Spanish I *
- SPA 223 - Intermediate Spanish II *
- SPA 325 - Spanish Grammar in Context and Composition
- Three (3) additional upper division units in Spanish

Children's Literature Certificate

The Children's Literature Certificate is issued by the Office of the University Registrar upon student request and completion of the below courses. The certificate includes concentrated coursework in children's literature designed for students who wish to supplement their academic interest or goals.

Traditional Certificate Program Requirements (12 units)

Certificate Requirements

- ENG 353 - Introduction to Children's Literature
- ENG 363 - Introduction to Young Adult Literature

Certificate Elective Requirements

Complete six (6) units from the following:

* Special Topics courses must be approved by the Department of Modern Languages and Literature to meet certificate requirements.

- ENG 200 - Special Topics in English *
- ENG 354 - Children's Classics
- ENG 355 - Folklore and Fairy Tales
- ENG 400 - Special Topics in English *

Hispanic Literature and Film Certificate

The Hispanic Literature and Film Certificate is issued by the Office of the University Registrar upon student request and completion of the below courses.

Traditional Certificate Program Requirements

Certificate Requirements (12 units)

- SPA 330 - Hispanic Literature and Film
- SPA 339 - Modern Mexican Literature and Film

Certificate Elective Requirements

Complete six (6) units from the following:

- SPA 305 - Conversational Spanish for the Professions
- SPA 315 - Oral Traditions
- SPA 335 - Spanish in the Professions
- SPA 400 - Special Topics
- SPA 450 - Research in Literature

TESOL (Teachers of English to Speakers of Other Languages) Certificate

Traditional Certificate Program Requirements

The TESOL Certificate is issued by the Office of the University Registrar upon student request and completion of the below courses. The certificate includes concentrated coursework in TESOL designed for students with a major outside the English program who wish to supplement their academic interest or goals.

Certificate Requirements (15 units)

- ENG 442 - Teaching Second Language Writing
- ENG 446 - Teaching Second Language Reading
- ENG 452 - Second Language Curriculum Development and Assessment
- ENG 463 - Language Structure and Acquisition
- ENG 472 - Theory and Methods of TESOL

Division of Natural and Mathematical Sciences - Department of Biological Sciences

Division of Natural and Mathematical Sciences

Dr. Lisa Hernandez

Associate Dean

Ms. Debbie Spala

Administrative Secretary

Phone 951.343.4380

FAX 951.343.4584

nms@calbaptist.edu

Faculty Information

The Division of Natural and Mathematical Sciences consists of the following three departments: Biological Sciences, Chemical Sciences, and Mathematical Sciences. We are committed to preparing students for careers in mathematics and science and science-related fields. Our students are successfully transitioning into professional or graduate schools, into the classroom as teachers, or directly into the workforce in a variety of careers. Students have the opportunity to work with our faculty on research, present their research at California Baptist University and outside conferences, as well as work in our labs. Our diverse, highly qualified and caring faculty is interested in helping to develop the whole person so that our students will leave California Baptist University as Christian scholars who can make a positive impact in our world.

Department of Biological Sciences

Dr. Bruce Prins

Chair

Ms. Allie Floyd

Department Secretary

Phone 951.552.8988

FAX 951.343.4584

nms@calbaptist.edu

A bachelor's degree in the biological sciences from California Baptist University is a great start toward many exciting career opportunities, especially those related to healthcare, solving environmental challenges, working with animals, teaching, research, global community development, and more. Students will be prepared to join the growing number of people and organizations around the globe who are focused on helping others meet their basic human needs and developing sustainable communities.

The biomedical science major is tailored for students seeking careers in various biomedical professions, including medicine, dentistry, pharmacy, physician assistant, physical therapy, podiatry, optometry, and others.

The biology major is for students who want to go to medical or other professional schools, who want teach, or who just have a general interest in biology. The environmental science major is focused on learning about and solving environmental challenges. The global community science major is designed for students who wish to receive a comprehensive education bridging the disciplines of sustainability science and global community development.

We are very proud of the success our graduates are having, especially those who were looking at pre-medical and pre-health professions. Our faculty are personally invested in the students, and opportunities for students to be involved in research and student organizations are plenty. Our students have opportunities to work closely with faculty members,

assisting with research projects. This interaction will help in choosing a career goal that fits their strengths and helps realize their goals.

Major

Biology, BS

This Biology program provides the core curricular needs for the life sciences, and prepares its majors for the pursuit of graduate studies, professional studies, teaching at the secondary level, or research in the biological sciences. Students interested in teaching at the secondary level should see the Education section for the Professional Methods Program for Single Subject Credential Students.

Traditional Major Program Requirements (63-67 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab

- MAT 145 - Mathematical Methods in the Natural Sciences **OR**
- MAT 245 - Analytical Geometry and Calculus I

- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Upper Division Requirements

- BIO 313 - Genetics
- BIO 330 - Cell and Molecular Biology with Lab
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab

Practicum Requirement

Complete three (3) units from the following:

- BIO 380 - Biology Seminar
- BIO 490 - Senior Research in Biology
- BIO 491 - Internship in Biology
- BIO 492 - Wellness Practicum
- BIO 499 - Biology Capstone

Concentration Courses (16-20 units)

Students must complete all requirements in one of the following concentrations: Environmental Science; General Biology; Secondary Biology Education

Environmental Science (16 units)

- BIO 114 - General Botany with Lab
- BIO 302 - Ecology with Lab
- ENV 360 - Environmental Chemistry with Lab
- SCI 412 - Topics Marine Science

General Biology (16 units)

- BIO 114 - General Botany with Lab
- Complete twelve (12) additional upper division units in biology and SCI 412

Secondary Biology Education (20 units)

- BIO 114 - General Botany with Lab
- BIO 302 - Ecology with Lab
- BIO 344 - Vertebrate Physiology with Lab
- ENV 451 - Advanced Geoscience with Lab
- PHY 301 - Astronomy II
- PHY 301L - Astronomy II Lab

Biomedical Sciences, BS

This major prepares students for careers in Biomedical Sciences, including as physicians, dentists, pharmacists, podiatrists, graduate nursing, physician assistants, and physical therapists. The curriculum provides necessary application course requirements and preparation for success in graduate programs. Emphasis is placed on human biology, pathobiology, and pharmacology.

Traditional Major Program Requirements (74 units)

Lower Division Requirements

- BIO 101 - Orientation to the Discipline
- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- MAT 145 - Mathematical Methods in the Natural Sciences **OR**
- MAT 245 - Analytical Geometry and Calculus I

- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab
- STA 144 - Introduction to Statistics

Upper Division Requirements

- BIO 305 - Microbiology with Lab
- BIO 330 - Cell and Molecular Biology with Lab
- BIO 353 - Advanced Human Anatomy and Physiology I with Lab
- BIO 363 - Advanced Human Anatomy and Physiology II with Lab
- BIO 440 - Pharmacology with Discussion
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 443 - Biochemistry I with Lab

Upper Division Research Requirement

Complete at least two (2) units of either:

- BIO 490 - Senior Research in Biology *OR*
- BIO 491 - Internship in Biology

Upper Division Electives

Complete eight (8) units from the following:

- BIO 313 - Genetics
- BIO 324 - Developmental Biology with Lab
- BIO 412 - Topics in Biology
- BIO 489 - Immunology and Molecular Pathogenesis with Lab

Environmental Science, BS

The Environmental Science degree program is designed for students who wish to receive a comprehensive environmental science education for the purpose of research into and management of Earth's natural resources, and for promotion of environmental protection of these resources for public health and welfare. The major prepares students for careers in private, state and federal environmental roles. The major is designed for students who have a desire to solve environmental challenges and be involved in their solutions.

Traditional Major Program Requirements (63 units)

Lower Division Requirements

- BIO 114 - General Botany with Lab
- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab

- ENV 110 - Introduction to Environmental Science with Lab
- MAT 145 - Mathematical Methods in the Natural Sciences
- STA 144 - Introduction to Statistics

Upper Division Requirements

- BIO 302 - Ecology with Lab
- ENV 360 - Environmental Chemistry with Lab
- ENV 380 - Environmental Science Seminar
- ENV 390 - Stewardship of the Environment
- ENV 450 - Environmental Organic Chemistry with Lab
- ENV 470 - Advanced Environmental Science with Lab

Upper Division Elective Requirements

Complete twelve (12) additional upper division units from:

- ENV 305 **OR**
- BIO 305 - Microbiology with Lab
- BIO 313 - Genetics
- CHE 321 - Analytical Chemistry with Lab
- CHE 470 - Instrumental Analysis
- GSC 310 - Sustainable Agriculture and Population Dynamics
- GSC 410 - Social Issues and Sustainable Development
- SCI 412 - Topics Marine Science

Global Community Science, BS

The Global Community Science degree program is designed for students who wish to receive a comprehensive education bridging the disciplines of sustainability science and global community development. The major prepares students for further study in sustainability science or to pursue careers with environmental agencies or governmental or non-governmental organizations for community development throughout the world.

Traditional Major Program Requirements (63 units)

Lower Division Requirements

- BIO 205 - Human Microbiology with Lab
- BUS 218 - Macroeconomics *OR*
- ENT 362 - Social Entrepreneurship
- CHE 102 - Fundamentals of Chemistry
- CHE 112 - Organic and Biochemistry for Health Sciences with Lab
- ENV 110 - Introduction to Environmental Science with Lab
- GSC 101 - Introduction to Global Community Science

- ICS 105 - Introduction to Global Studies
- STA 144 - Introduction to Statistics

Lower Division Science Elective Requirements

Complete eight (8) units from the following:

- BIO 114 - General Botany with Lab
- BIO 143 - Principles of Biology
- BIO 143L - Principles of Biology Lab
- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- ENV 151 - Introduction to the Geosciences
- ENV 151L - Introduction to the Geosciences Lab
- SCI 120 - Marine Science with Lab

Lower Division Elective Requirements

Complete six (6) units from the following:

- ANT 225 - Cultural Anthropology
- COM 113 - Oral Communication
- PSY 120 - Lifespan Development for the Health Professions
- SOC 213 - Introduction to Sociology

Upper Division Requirements

- ENV 390 - Stewardship of the Environment
- ENV 370 - Soil and Water
- GSC 310 - Sustainable Agriculture and Population Dynamics
- GSC 410 - Social Issues and Sustainable Development
- GSC 495 - Field Practicum
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements **OR**
- POL 415 - World Geography **OR**
- POL 437 - Globalization **OR**
- POL 454 - International Organizations
- STA 305 - Sampling and Survey Methodology

Minor

Biology Minor

Traditional Minor Program Requirements (27 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab

Upper Division Requirements

- BIO 305 - Microbiology with Lab
- Four (4) additional upper division units in Biology with a lab
- Three (3) additional upper division units in Biology

Environmental Science Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- CHE 115 - General Chemistry I with Lab
- ENV 110 - Introduction to Environmental Science with Lab

Upper Division Elective Requirements

Complete twelve (12) upper division units from:

- ENV **OR**
- BIO 302 - Ecology with Lab *OR*
- SCI 412 - Topics Marine Science

Division of Natural and Mathematical Sciences - Department of Chemical Sciences

Division of Natural and Mathematical Sciences

Dr. Lisa Hernandez

Associate Dean

Ms. Debbie Spala

Administrative Secretary

Phone 951.343.4380

FAX 951.343.4584

nms@calbaptist.edu

Faculty Information

The Division of Natural and Mathematical Sciences consists of the following three departments: Biological Sciences, Chemical Sciences, and Mathematical Sciences. We are committed to preparing students for careers in mathematics and science and science-related fields. Our students are successfully transitioning into professional or graduate schools, into the classroom as teachers, or directly into the workforce in a variety of careers. Students have the opportunity to work with our faculty on research, present their research at California Baptist University and outside conferences, as well as work in our labs. Our diverse, highly qualified and caring faculty is interested in helping to develop the whole person so that our students will leave California Baptist University as Christian scholars who can make a positive impact in our world.

Department of Chemical Sciences

Dr. Thomas Ferko

Chair

Ms. Debbie Spala

Department Secretary

Phone 951.343.4380

FAX 951.343.4584

nms@calbaptist.edu

The Department of Chemical Sciences offers majors and minors that will help prepare students for a variety of careers. Students can work in fields at the forefront of science - helping to develop the technologies of tomorrow, or in a variety of careers which require a background in chemistry.

A major in chemistry can lead to work in industries that produce pharmaceuticals, personal care products, plastics, household chemicals, foods and beverages, and thousands of other materials relied upon for everyday life. Chemists also conduct research to try to better understand and solve significant problems, such as alternative fuels and climate change and many of our graduates continue on to graduate school to further prepare them for research-related careers. Other students pursue careers as secondary school teachers or in governmental agencies.

The biochemistry and molecular biology major is designed with courses that will either prepare students for, or directly cover, topics that are at the convergence of chemistry and biology. This major is rigorous and comprehensive, preparing students for graduate and professional programs in the biomedical sciences and the same careers as biology and chemistry majors.

The forensic chemistry major prepares students to be competitive for entry level employment in forensic science-related positions while also providing a strong background in chemistry that can lead to other careers. By choosing either a concentration in Criminal Justice Systems or Criminalistics, students will gain advanced experience in one of these areas, depending on the career direction that the student wants to pursue.

Students will learn under professors who are dedicated to their students. Most major classes are taught by full-time faculty members. We have state-of-the-art equipment and facilities that are dedicated solely for use by our students in both classes and research.

Major

Biochemistry and Molecular Biology, BS

Biochemistry and Molecular Biology majors study the area of science where biology and chemistry intersect. It is an ideal major for students with strong interest in both biology and chemistry as it prepares students for graduate studies and professional studies in medical sciences, in addition to industry and government careers that require in-depth knowledge of either chemistry or biology.

Traditional Major Program Requirements (75 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- CHE 101 - Orientation to the Discipline
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- CHE 230 - Introduction to Molecular Modeling
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Upper Division Requirements

- BIO 330 - Cell and Molecular Biology with Lab
- BIO 430 - Laboratory Techniques in Molecular Biology
- BIO 435 - Proteomics, Genomics, and Bioinformatics with Lab
- CHE 321 - Analytical Chemistry with Lab
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 415 - Physical Chemistry I
- CHE 443 - Biochemistry I with Lab
- CHE 444 - Biochemistry II with Lab

Upper Division Elective Requirement

Complete four (4) units from the following:

- BIO 313 - Genetics
- BIO 440 - Pharmacology with Discussion
- BIO 489 - Immunology and Molecular Pathogenesis with Lab

Upper Division Research Requirement

Complete a four (4) unit sequence from the following:

- BIO 380 - Biology Seminar
 - BIO 490 - Senior Research in Biology (3 units)
- OR**
- CHE 480 - Chemistry Research Seminar
 - CHE 490 - Senior Research in Chemistry (3 units)

Chemistry, BS

The Chemistry major prepares students for employment in industry, government, and academia in positions that require an in-depth knowledge of chemistry. The major also prepares students to be chemistry teachers and for graduate study in scientific disciplines related to chemistry. Students choose one of four concentrations, depending on interests and career goals. Students interested in teaching at the secondary level should see the Education section for the Professional Methods Program for Single Subject Credential Students.

- Preliminary Multiple Subject Credential
- Preliminary Single Subject Credential

Traditional Major Program Requirements (65-70 units)

Lower Division Requirements

- CHE 101 - Orientation to the Discipline
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- CHE 230 - Introduction to Molecular Modeling
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Upper Division Requirements

- CHE 321 - Analytical Chemistry with Lab
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 415 - Physical Chemistry I
- CHE 416 - Physical Chemistry II with Lab

- CHE 470 - Instrumental Analysis
- CHE 480 - Chemistry Research Seminar

Concentration Courses (15-20 units)

Students must complete all requirements in one of the following concentrations: Advanced Studies in Chemistry; Environmental Science; Secondary Chemistry Education; Pre-Medical Chemistry

Advanced Studies in Chemistry (15 units)

Upper Division Requirement

- CHE 490 - Senior Research in Chemistry

Upper Division Elective Requirements

Complete twelve (12) units from the following:

- CHE 341 - Advanced Inorganic Chemistry with Lab
- CHE 400 - Special Topics in Chemistry
- CHE 443 - Biochemistry I with Lab
- CHE 444 - Biochemistry II with Lab

Environmental Science (16 units)

- BIO 302 - Ecology with Lab
- ENV 110 - Introduction to Environmental Science with Lab
- ENV 360 - Environmental Chemistry with Lab
- Four (4) additional units of upper division Environmental Science coursework, ENV 451, OR SCI 412

Secondary Chemistry Education (20 units)

- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- CHE 341 - Advanced Inorganic Chemistry with Lab
- PHY 301 - Astronomy II
- PHY 301L - Astronomy II Lab
- ENV 451 - Advanced Geoscience with Lab

Pre-Medical Chemistry (16 units)

- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab
- Eight (8) additional units of upper-division Biology or Chemistry coursework

Forensic Chemistry, BS

The Forensic Chemistry major prepares students to be competitive for entry level employment in forensic science-related positions while also providing a strong background in chemistry that can lead to other careers. By choosing either a concentration in Criminal Justice Systems or Forensic Biology students will gain advanced experience in one of these areas, depending on the career direction that the student wants to pursue.

Traditional Major Program Requirements (70-74 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- CHE 101 - Orientation to the Discipline
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- CJS 113 - Introduction to Criminal Justice
- MAT 245 - Analytical Geometry and Calculus I
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab
- SCI 205 - Introduction to Forensic Science with Lab
- STA 144 - Introduction to Statistics

Upper Division Requirements

- CHE 321 - Analytical Chemistry with Lab
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 470 - Instrumental Analysis
- CHE 475 - Forensic Chemistry with Lab
- CHE 485 - Forensic Chemistry Major Capstone

Concentration Courses (12-16 units)

Students must complete all requirements in one of the following concentrations: Criminal Justice Systems; Criminalistics

Criminal Justice Systems (12 units)

Complete twelve (12) units from the following:

- CJS 301 - Fundamentals of Criminal Law
- CJS 321 - Courts and Criminal Procedures
- CJS 331 - Police Systems and Practices
- CJS 441 - Fundamentals of Criminal Investigation and Report Writing
- CJS 485 - Methods of Research for Criminal Justice

Criminalistics (16 units)

- BIO 148 - General Biology II with Lab
- BIO 313 - Genetics
- BIO 330 - Cell and Molecular Biology with Lab
- CHE 443 - Biochemistry I with Lab

Minor

Chemistry Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab

Upper Division Requirements

- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab

Upper Division Elective Requirement

- Complete eight (8) additional upper division units in Chemistry

Division of Natural and Mathematical Sciences - Department of Mathematical Sciences

Division of Natural and Mathematical Sciences

Dr. Lisa Hernandez

Associate Dean

Ms. Debbie Spala

Administrative Secretary

Phone 951.343.4380

FAX 951.343.4584

nms@calbaptist.edu

Faculty Information

The Division of Natural and Mathematical Sciences consists of the following three departments: Biological Sciences, Chemical Sciences, and Mathematical Sciences. We are committed to preparing students for careers in mathematics and science and science-related fields. Our students are successfully transitioning into professional or graduate schools, into the classroom as teachers, or directly into the workforce in a variety of careers. Students have the opportunity to work with our faculty on research, present their research at California Baptist University and outside conferences, as well as work in our labs. Our diverse, highly qualified and caring faculty is interested in helping to develop the whole person so that our students will leave California Baptist University as Christian scholars who can make a positive impact in our world.

Department of Mathematical Sciences

Dr. Linn Carothers

Chair

Department Secretary

Phone 951.552.8662

FAX 951.343.4584

nms@calbaptist.edu

With programs in actuarial science, applied statistics, mathematics, and sports analytics, the department of mathematical sciences prepares students to pursue some of the top careers of today.

The actuarial science degree program is designed for students who wish to pursue a career as an actuary or in other areas of industry dealing with risk management. With margins thinner, actuarial accuracy is more necessary than ever to the global economy. This program is designed to prepare students to take the first two actuarial exams. Also, the Society of Actuaries (SOA) has approved CBU for Validation by Educational Experience (VEE) in all three areas of Applied Statistical Methods, Economics, and Corporate Finance.

We offer a bachelor's of science and of arts in applied statistics, as well as a bachelor's of science in sports analytics. These majors prepare students to work in one of the hottest sectors with the latest technology collecting, displaying, analyzing and mining data. Students will work side-by-side with full-time professors with real world experience. Using state-of-the-art computers and software, students will analyze local and global life-changing issues and apply their results to save lives and help people. Applied statistics is doing what counts!

Our mathematics major prepares students for careers in teaching at the secondary level, research, industry, business and graduate study. With a major in math, students will learn skills that will enable them to serve God and our society in

ways many people can't. Students have an ability to make significant contributions, and we are here to help them do just that. We are concerned with more than just providing the required coursework to be a skilled mathematician; we also care about our students and want to help them prepare for the career that is right for them.

Kappa Mu Epsilon is a specialized honor society in mathematics founded to promote the interest of mathematics among undergraduate students and recognition of outstanding achievement in the study of mathematics at the undergraduate level. Membership is open to students who have completed at least three college mathematics courses (including at least one semester of calculus) with an overall grade point average of 3.00 or better. Members must be at least a second-semester sophomores and rank in the top 35% of their class. For more information, contact Dr. Jim Buchholz, Faculty Advisor.

Major

Actuarial Science, BS

The Actuarial Science degree program is designed for students who wish to pursue a career as an actuary or in other areas of industry dealing with risk management. The program is designed to prepare students to take the first two actuarial exams (Probability and Financial Mathematics) and has been approved by the Society of Actuaries (SOA) for Validation by Educational Experience (VEE) in all three areas of Applied Statistical Methods, Economics, and Corporate Finance.

Traditional Major Program Requirements (65 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- CIS 268 - Computer Programming Languages
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- STA 144 - Introduction to Statistics
- STA 205 - Applied Linear Regression
- STA 210 - Statistical Computing I
- STA 211 - Statistical Computing II

Upper Division Requirements

- BUS 303 - Business Finance
- MAT 303 - Linear Algebra with Applications to Differential Equations
- MAT 343 - Multivariable Calculus
- MAT 353 - Probability and Statistics
- STA 310 - Mathematical Statistics I
- STA 311 - Mathematical Statistics II
- STA 320 - Financial Mathematics I
- STA 321 - Financial Mathematics II
- STA 470 - Seminar in Financial Mathematics

- STA 480 - Seminar in Probability and Statistics

Applied Statistical Analysis, BS

(also see Statistics)

A mathematical statistics focus aimed at preparing individuals to pursue careers as academicians, data miners and data scientists.

Traditional Major Program Requirements (68-69 units)

Lower Division Requirements

- CIS 268 - Computer Programming Languages
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- STA 144 - Introduction to Statistics
- STA 205 - Applied Linear Regression
- STA 210 - Statistical Computing I
- STA 211 - Statistical Computing II

Upper Division Requirements

- MAT 303 - Linear Algebra with Applications to Differential Equations
- MAT 343 - Multivariable Calculus
- MAT 353 - Probability and Statistics
- STA 303 - Research and Experimental Design
- STA 305 - Sampling and Survey Methodology
- STA 310 - Mathematical Statistics I
- STA 311 - Mathematical Statistics II
- STA 499 - Capstone (3 units)

Concentration Courses (20-21 units)

Students must complete all of the requirements in one of the following concentrations: Actuarial Science; Biostatistics; Chemical Analysis; Public Health

Actuarial Science (20 units)

- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 356 - Business Communication
- STA 320 - Financial Mathematics I
- STA 321 - Financial Mathematics II
- STA 470 - Seminar in Financial Mathematics
- STA 480 - Seminar in Probability and Statistics

Biostatistics (20 units)

- BIO 146 - General Biology I with Lab
- BIO 148 - General Biology II with Lab

Biostatistics Elective Requirements

Complete twelve (12) additional units from the following:

- BIO 302 - Ecology with Lab
- BIO 305 - Microbiology with Lab
- BIO 313 - Genetics
- BIO 330 - Cell and Molecular Biology with Lab
- BIO 489 - Immunology and Molecular Pathogenesis with Lab

Chemical Analysis (20-21 units)

- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- CHE 230 - Introduction to Molecular Modeling
- CHE 321 - Analytical Chemistry with Lab

Chemical Analysis Elective Requirements

Complete two (2) additional courses from the following:

- CHE 415 - Physical Chemistry I
- CHE 470 - Instrumental Analysis
- ENV 360 - Environmental Chemistry with Lab

Public Health (21 units)

- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care
- HSC 305 - Epidemiology
- HSC 306 - Pathophysiology for Public Health
- HSC 420 - Health Care Policy
- HSC 460 - Planning and Evaluating Health Education Programs
- HSC 480 - Research Methods

Applied Statistics, BA

An Interdisciplinary major providing math, statistics, and discipline-oriented skills aimed at professional practitioners as entry-level data analysts, and data mining applications.

Traditional Major Program Requirements (53-62 units)

Lower Division Requirements

- CIS 268 - Computer Programming Languages
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- STA 144 - Introduction to Statistics
- STA 205 - Applied Linear Regression
- STA 210 - Statistical Computing I

Upper Division Requirements

- MAT 303 - Linear Algebra with Applications to Differential Equations
- MAT 353 - Probability and Statistics
- STA 303 - Research and Experimental Design
- STA 310 - Mathematical Statistics I
- STA 499 - Capstone (3 units)

Concentration Courses (18-27 units)

Students must complete all of the requirements in one of the following concentrations: Global Development; Quantitative Business Methods

Global Development Requirements (18 units)

- BUS 218 - Macroeconomics
- CST 425 - Christian Social Ethics
- ICS 105 - Introduction to Global Studies
- ICS 375 - Current Events and Movements
- ICS 405 - Marketplace Strategies for Global Advancement
- POL 454 - International Organizations

Additional recommended course:

- POL 415 - World Geography

Quantitative Business Methods Requirements (27 units)

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- BUS 334 - International Business
- BUS 358 - Business Law
- BUS 463 - Business and Organizational Management
- MKT 333 - Principles of Marketing

Additional recommended course:

- CIS 270 - Business IT Application

Foundational Mathematics, BS

The Foundational Mathematics major is designed for students who plan to teach mathematics in a single subject classroom, up through but not including calculus or Advanced Placement mathematics courses at the secondary level.

Traditional Major Program Requirements (59-60 units)

Lower Division Requirements

- MAT 101 - Orientation to the Discipline
- MAT 125 - Mathematical Concepts and Applications I
- MAT 127 - Mathematical Concepts and Applications II
- MAT 135 - Pre-Calculus
- MAT 245 - Analytical Geometry and Calculus I
- MAT 250 - Modeling and Applications of Calculus
- MAT 255 - Analytical Geometry and Calculus II

Upper Division Requirements

- EDU 341 - The Exceptional Child
- EDU 409 - Educational Psychology
- EDU 411 - Theories and Methods of Teaching Diverse Students
- ETC 407 - Technology and Learning
- MAT 313 - Mathematical Proof and Structures
- MAT 353 - Probability and Statistics
- MAT 363 - History of Mathematics and Theory of Numbers
- MAT 403 - Linear Algebra
- MAT 463 - Fundamental Concepts of Geometry
- MAT 499 - Capstone (4 units)

Elective Requirements

Complete a set of two courses from the following:

- MAT 343 - Multivariable Calculus
- MAT 443 - Advanced Calculus
- OR**
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Subject Matter Preparation Program in Mathematics

The Single Subject Matter Preparation (SSMP) Program in Mathematics consists of approved mathematics courses selected to provide undergraduate students the academic background necessary to qualify them to teach mathematics in grades seven through twelve. To obtain a Single Subject Credential in Mathematics the student must:

1. Obtain an undergraduate degree.
2. Demonstrate subject competence in mathematics in one of two ways: Earn a passing score on a mathematics examination that has been adopted by the Commission on Teacher Credentialing (CTC) or complete a commission approved SSMP program. The SSMP Program from CBU is an approved CTC program.
3. Complete a teaching credential program.

Students interested in the Subject Matter Preparation Program should contact their Faculty Advisor in the Mathematics Department. Students seeking a teaching credential should contact the Teacher Education Credential Program within the School of Education. (Also see the Single Subject Credential section for the Professional Methods Program for Single Subject Credential Students.)

Mathematics, BS

(also see Foundational Mathematics, BS)

The Mathematics major is designed for students who wish to become competitive mathematicians that seek to discover uncharted mathematical territory through research, find a fulfilling career in a job-market in need of mathematical and analytical skills, teach mathematics and impact the lives of students at the secondary level, and solve real-world problems.

Traditional Major Program Requirements (53-58 units)

Lower Division Requirements

- CIS 268 - Computer Programming Languages
- MAT 245 - Analytical Geometry and Calculus I
- MAT 250 - Modeling and Applications of Calculus
- MAT 255 - Analytical Geometry and Calculus II
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Upper Division Requirements

- MAT 313 - Mathematical Proof and Structures
- MAT 323 - Abstract Algebra I
- MAT 343 - Multivariable Calculus
- MAT 403 - Linear Algebra
- MAT 413 - Differential Equations
- MAT 443 - Advanced Calculus
- MAT 480 - Senior Seminar

Concentration Courses (12-17 units)

Students must complete all requirements in one of the following concentrations: Advanced Studies in Mathematics; General Studies in Mathematics; Secondary Mathematics Education

Advanced Studies in Mathematics (12 units)

- MAT 333 - Complex Variables
- MAT 423 - Introduction to Topology
- MAT 453 - Numerical Analysis
- MAT 483 - Abstract Algebra II

General Studies in Mathematics (12 units)

Complete twelve (12) additional upper division units in Mathematics.

* A maximum of six (6) units may be completed through enrollment in MAT 400

Secondary Mathematics Education (17 units) *

- MAT 101 - Orientation to the Discipline
- MAT 333 - Complex Variables
- MAT 353 - Probability and Statistics
- MAT 363 - History of Mathematics and Theory of Numbers
- MAT 463 - Fundamental Concepts of Geometry
- MAT 499 - Capstone

Subject Matter Preparation Program in Mathematics

The Single Subject Matter Preparation (SSMP) Program in Mathematics consists of approved mathematics courses selected to provide undergraduate students the academic background necessary to qualify them to teach mathematics in grades seven through twelve. To obtain a Single Subject Credential in Mathematics the student must:

1. Obtain an undergraduate degree.
2. Demonstrate subject competence in mathematics in one of two ways: Earn a passing score on a mathematics examination that has been adopted by the Commission on Teacher Credentialing (CTC) or complete a commission approved SSMP program. The SSMP Program from CBU is an approved CTC program.
3. Complete a teaching credential program.

Students interested in the Subject Matter Preparation Program should contact their Faculty Advisor in the Mathematics Department. Students seeking a teaching credential should contact the Teacher Education Credential Program within the School of Education. (Also see the Education section for the Professional Methods Program for Single Subject Credential Students.)

Sports Analytics, BS

Traditional Major Program Requirements (40-50 units)

Lower Division Requirements

- CIS 268 - Computer Programming Languages **OR**
- EGR 121 - Introduction to Computer Programming in C++
- STA 144 - Introduction to Statistics

- STA 205 - Applied Linear Regression
- STA 210 - Statistical Computing I

Upper Division Requirements

- STA 303 - Research and Experimental Design
- STA 360 - Data Visualization
- STA 362 - Advanced Statistical Computing
- STA 364 - Applied Statistical Methodology
- STA 460 - Sports Analytics Seminar
- STA 491 - Sports Analytics Internship (2 units)
- STA 499 - Capstone (1 unit)

Concentration Courses (12-22 units)

Students must complete all requirements in one of the following concentrations: Quantitative Sport Business; Rehabilitative Sports Analytics; Sports Performance Analytics

Quantitative Sport Business (22 units)

- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 463 - Business and Organizational Management
- KIN 305 - Applied Sport Management
- MAT 245 - Analytical Geometry and Calculus I
- MAT 353 - Probability and Statistics
- STA 320 - Financial Mathematics I

Rehabilitative Sports Analytics (19 units)

- BIO 153 - Anatomy and Physiology I with Lab
- KIN 264 - Movement Anatomy
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 383 - Exercise Physiology **OR**
- KIN 490 - Principles of Conditioning Athletes
- KIN 454 - Behavioral Aspects of Sport
- STA 462 - Measurement and Evaluation

Sports Performance Analytics (12 units)

- KIN 305 - Applied Sport Management
- KIN 315 - Sport Governance
- KIN 454 - Behavioral Aspects of Sport
- STA 305 - Sampling and Survey Methodology **OR**

- STA 462 - Measurement and Evaluation

Minor

Actuarial Science Minor

Traditional Minor Program Requirements (27 units)

Lower Division Requirements

- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- STA 144 - Introduction to Statistics
- STA 210 - Statistical Computing I

Upper Division Requirements

- MAT 343 - Multivariable Calculus
- MAT 353 - Probability and Statistics
- STA 310 - Mathematical Statistics I
- STA 480 - Seminar in Probability and Statistics

Applied Statistics Minor

Traditional Minor Program Requirements (29 units)

Lower Division Requirements

- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- STA 144 - Introduction to Statistics
- STA 205 - Applied Linear Regression
- STA 210 - Statistical Computing I

Upper Division Requirements

- MAT 353 - Probability and Statistics
- STA 303 - Research and Experimental Design
- STA 305 - Sampling and Survey Methodology
- STA 310 - Mathematical Statistics I

Mathematics Minor

Traditional Minor Program Requirements (26 units)

Lower Division Requirements

- MAT 245 - Analytical Geometry and Calculus I
- MAT 250 - Modeling and Applications of Calculus
- MAT 255 - Analytical Geometry and Calculus II

Upper Division Requirements

- MAT 313 - Mathematical Proof and Structures
- MAT 343 - Multivariable Calculus
- Nine (9) additional upper division units in Mathematics

Physics Minor

Traditional Minor Program Requirements (20 units)

Lower Division Requirements

- PHY 201 - Physics for Engineers I with Lab
- PHY 203 - Physics for Engineers II with Lab
- **OR**
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Upper Division Requirements

- PHY 310 - Waves and Optics with Lab
- PHY 320 - Modern Physics

Upper Division Elective Requirement

- Complete four (4) additional upper division units in Physics

Certificate

Actuarial Science Certificate

The Actuarial Science certificate is issued by the Office of the University Registrar upon student request and completion of the below courses. The certificate includes courses that have obtained Validation by Educational Experience (VEE) approval by the Society of Actuaries.

Traditional Certificate Program Requirements

General Prerequisite Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- CIS 268 - Computer Programming Languages *OR*
- CIS 270 - Business IT Application
- MAT 353 - Probability and Statistics
- STA 144 - Introduction to Statistics
- STA 310 - Mathematical Statistics I
- STA 480 - Seminar in Probability and Statistics

Certificate Requirements (15 units)

- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 303 - Business Finance
- STA 205 - Applied Linear Regression
- STA 311 - Mathematical Statistics II

College of Behavioral and Social Sciences

Dr. Jacqueline Gustafson

Dean

Dr. Doug Wallace

Associate Dean

Dr. Mischa Routon

Associate Dean, Graduate Programs

Ms. Denitria Davidson

Department Secretary, Undergraduate Programs

Ms. Jane Craig

Administrative Assistant

Phone 951.343.4487

FAX 951.343.4569

Faculty Information

The College of Behavioral and Social Sciences provides general education courses and degrees in the subject areas of Anthropology, Behavioral Science, Christian Behavioral Science, Psychology and Sociology. Bachelor of Arts degrees are available in five majors: Anthropology, Behavioral Sciences, Christian Behavioral Science, Psychology, and Sociology. Students should consult with department faculty for help in selecting the best major for their graduate or career goals. All majors prepare students for entry-level positions in the behavioral sciences and for admission to graduate programs in Anthropology, Psychology, Sociology, or Social Work.

The faculty of the College of Behavioral and Social Sciences believes that academic training best serves the student when it is generalized across the various disciplines of the university. Students are therefore encouraged to broaden their educational experience by examining interdisciplinary aspects of their major and intentionally integrating their world view and religious perspective. Understanding human behavior from the unique perspective of integrating the relationship of material, cognitive, and spiritual aspects of reality are a significant part of the instruction and curriculum of the division.

Behavioral and social science graduates can find entry-level employment in business, education and government positions. Most degrees prepare the student for graduate work and professional life in the behavioral and social science fields.

Major

Anthropology, BA

The Anthropology major is a traditional approach to anthropology which includes an overview of the four-field perspective which includes cultural anthropology, linguistics, physical anthropology, and archeology. The major provides the student with a general understanding of the discipline of anthropology and focuses on the concept of culture as an overriding concept in understanding human nature and variability.

Traditional Major Program Requirements (50-53 units)

Lower Division Requirement

- ANT 225 - Cultural Anthropology

Methodology Requirements

- BEH 255 - Foundational Skills in Behavioral Sciences I
- BEH 256 - Foundational Skills Behavioral Sciences II
- BEH 333 - Epistemology and Worldview
- BEH 383 - Statistics and Research Methodology I
- BEH 385 - Statistics and Research Methodology II

Upper Division Requirements

- ANT 325 - Physical Anthropology and Archaeology
- ANT 340 - Theory in Anthropology
- ANT 350 - Language and Culture
- ANT 430 - Culture and Personality
- ANT 460 - Religion and Culture
- BEH 480 - Capstone **OR**
- ANT 440 - Internship in Anthropology

Concentration Courses (12-15 units)

Students must complete all requirements in one of the following concentrations: Cultural Anthropology; Psychological Anthropology

Cultural Anthropology (12 units)

- ANT 360 - Globalization and Culture
- ANT 400 - Special Topics in Anthropology
- ANT 410 - Economic and Political Anthropology
- ANT 450 - Family and Gender Studies

Psychological Anthropology (15 units)

- PSY 213 - General Psychology
- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality
- PSY 346 - Abnormal Psychology
- PSY 473 - Psychophysiology

Optional Additional Concentrations* (12-15 units)

Students can earn an optional concentration in one of the following areas: Forensic Psychology; Industrial and Organizational Psychology; Life Span Development; Medical Anthropology; Social Work; Sports Psychology

*Each optional concentration requires the completion of a minimum twelve (12) distinct units beyond the major.

Forensic Psychology

- PSY 213 - General Psychology
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 350 - Introduction to Forensic Psychology
- PSY 404 - Psychopathic Mind
- PSY 443 - Social Psychology

Industrial and Organizational Psychology

- BUS 435 - Leadership in Organizations
- BUS 463 - Business and Organizational Management
- PSY 213 - General Psychology
- PSY 388 - Industrial and Organizational Psychology
- PSY 443 - Social Psychology

Life Span Development

- PSY 305 - Developmental Psychology: Child
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 443 - Social Psychology
- PSY 453 - Psychology of Learning

Medical Anthropology

- ANT 315 - Health and Holistic Healing
- ANT 320 - Ethnomedicine
- ANT 430 - Culture and Personality
- PSY 213 - General Psychology
- PSY 473 - Psychophysiology **OR**
- PSY 305 - Developmental Psychology: Child

Social Work

- SWK 300 - Introduction to Social Work
- SWK 335 - Alcohol and Drug Addiction
- SWK 340 - Mental Health First Aid
- SWK 345 - Trauma in Children

Sports Psychology

- KIN 454 - Behavioral Aspects of Sport
- PSY 213 - General Psychology
- PSY 360 - Sports Psychology
- PSY 443 - Social Psychology
- PSY 458 - Motivation and Emotion

Behavioral Science, BA

The Behavioral Science major is a broad program drawn from the modern behavioral sciences of anthropology, psychology, and sociology and includes the full methodological skills common to those behavioral sciences. The program also includes a Christian perspective of theology as a behavioral science. The major prepares graduates for employment in social service careers, and for graduate study in Psychology, Sociology, Social Work, and Anthropology. Students are encouraged to pursue a complimentary minor.

Traditional Major Program Requirements (56 units)

Lower Division Requirements

- BEH 100 - Survey of the Behavioral Sciences **OR**
- SOC 213 - Introduction to Sociology **OR**
- ANT 225 - Cultural Anthropology

- PSY 213 - General Psychology

Methodology Requirements

- BEH 255 - Foundational Skills in Behavioral Sciences I
- BEH 256 - Foundational Skills Behavioral Sciences II
- BEH 333 - Epistemology and Worldview
- BEH 383 - Statistics and Research Methodology I
- BEH 385 - Statistics and Research Methodology II

Upper Division Requirements

- ANT 325 - Physical Anthropology and Archaeology
- ANT 430 - Culture and Personality
- CBS 350 - Development and Discipleship
- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality
- PSY 346 - Abnormal Psychology
- SOC 335 - Social Problems
- SOC 337 - Deviant Behavior
- SOC 345 - Race and Ethnicity
- SOC 381 - Social Theory

- BEH 480 - Capstone *OR*
- ANT 440 - Internship in Anthropology *OR*
- PSY 440 - Internship in Human Services *OR*
- SOC 440 - Internship in Sociology

Optional Concentrations* (12 units)

Students can earn an optional concentration in the following areas: Forensic Psychology; Industrial and Organizational Psychology; Life Span Development; Medical Anthropology; Social Work; Sports Psychology

*Each optional concentration requires the completion of a minimum of twelve (12) distinct units beyond the major.

Forensic Psychology

- PSY 213 - General Psychology
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 350 - Introduction to Forensic Psychology
- PSY 404 - Psychopathic Mind
- PSY 443 - Social Psychology

Industrial and Organizational Psychology

- BUS 435 - Leadership in Organizations
- BUS 463 - Business and Organizational Management
- PSY 213 - General Psychology
- PSY 388 - Industrial and Organizational Psychology
- PSY 443 - Social Psychology

Life Span Development

- PSY 305 - Developmental Psychology: Child
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 443 - Social Psychology
- PSY 453 - Psychology of Learning

Medical Anthropology

- ANT 315 - Health and Holistic Healing
- ANT 320 - Ethnomedicine
- PSY 213 - General Psychology
- PSY 338 - Sensation and Perception
- PSY 473 - Psychophysiology

Social Work

- SWK 300 - Introduction to Social Work
- SWK 335 - Alcohol and Drug Addiction
- SWK 340 - Mental Health First Aid
- SWK 345 - Trauma in Children

Sports Psychology

- KIN 454 - Behavioral Aspects of Sport
- PSY 213 - General Psychology

- PSY 360 - Sports Psychology
- PSY 443 - Social Psychology
- PSY 458 - Motivation and Emotion

Christian Behavioral Science, BA

The Christian Behavioral Science major is a distinct and decidedly Christian perspective of human behavior. It addresses the relationship of biblical truth to the knowledge drawn from the Behavioral Sciences. This approach integrates psychology, anthropology, sociology and political science as academic disciplines with theology as a behavioral science.

Traditional Major Program Requirements (51 units)

Lower Division Requirements

Should be completed prior to enrollment in upper division Christian Behavioral Science

- BEH 100 - Survey of the Behavioral Sciences *OR*
- ANT 225 - Cultural Anthropology *OR*
- SOC 213 - Introduction to Sociology
- CST 110 - Old Testament Survey
- CST 130 - New Testament Survey
- PSY 213 - General Psychology

Upper Division Introduction Requirements

- BEH 333 - Epistemology and Worldview
- CST 350 - Biblical Interpretation
- CST 370 - Christian Doctrine
- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality

Upper Division Christian Behavioral Science Requirements

- CBS 303 - Marriage and Family in the Christian Community
- CBS 350 - Development and Discipleship
- CBS 400 - Special Topics in Christian Behavioral Science
- CBS 403 - Congregation and Community
- CBS 415 - Biblical Wisdom and Human Behavior
- CBS 420 - Behavioral Implications of Theology
- CBS 423 - Models of Christian Counseling

Upper Division Elective Requirement

Complete three (3) units from the following:

- CST 360 - Church History

- CST 425 - Christian Social Ethics
- ICS 305 - Global Perspectives

Optional Additional Concentrations* (12 units)

Students can earn an optional concentration in one of the following areas: Forensic Psychology; Industrial and Organizational Psychology; Life Span Development; Medical Anthropology; Social Work; Sports Psychology

*Each optional concentration requires the completion of a minimum twelve (12) distinct units beyond the major.

Forensic Psychology

- PSY 213 - General Psychology
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 350 - Introduction to Forensic Psychology
- PSY 404 - Psychopathic Mind
- PSY 443 - Social Psychology

Industrial and Organizational Psychology

- BUS 435 - Leadership in Organizations
- BUS 463 - Business and Organizational Management
- PSY 213 - General Psychology
- PSY 388 - Industrial and Organizational Psychology
- PSY 443 - Social Psychology

Life Span Development

- PSY 305 - Developmental Psychology: Child
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 443 - Social Psychology
- PSY 453 - Psychology of Learning

Medical Anthropology

- ANT 315 - Health and Holistic Healing
- ANT 320 - Ethnomedicine
- PSY 213 - General Psychology
- PSY 338 - Sensation and Perception
- PSY 473 - Psychophysiology

Social Work

- SWK 300 - Introduction to Social Work
- SWK 335 - Alcohol and Drug Addiction
- SWK 340 - Mental Health First Aid
- SWK 345 - Trauma in Children

Sports Psychology

- KIN 454 - Behavioral Aspects of Sport
- PSY 213 - General Psychology
- PSY 360 - Sports Psychology
- PSY 443 - Social Psychology
- PSY 458 - Motivation and Emotion

Psychology, BA

The Psychology major prepares students for graduate school in psychology and other related fields and employment in public and private agencies. Students are encouraged to pursue a complimentary minor. Students may complete a double major in Psychology and Sociology by substituting overlapping courses. Psychology majors may also complete a Sociology or Christian Behavioral Science minor.

Traditional Major Program Requirements (47 units)

Lower Division Requirement

- PSY 213 - General Psychology

Methodology Requirements

- BEH 255 - Foundational Skills in Behavioral Sciences I
- BEH 256 - Foundational Skills Behavioral Sciences II
- BEH 333 - Epistemology and Worldview
- BEH 383 - Statistics and Research Methodology I
- BEH 385 - Statistics and Research Methodology II

Upper Division Requirements

- PSY 301 - History and Systems of Psychology
- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality
- PSY 325 - Tests and Measurements
- PSY 328 - Cognitive Psychology
- PSY 346 - Abnormal Psychology
- PSY 422 - Theories of Counseling
- PSY 473 - Psychophysiology

- BEH 480 - Capstone *OR*
- PSY 440 - Internship in Human Services

Optional Concentrations* (12-15 units)

Students can earn an optional concentration in one of the following areas:

Forensic Psychology; Industrial and Organizational Psychology; Life Span Development; Medical Anthropology; Social Work; Sports Psychology

*Each optional concentration requires the completion of a minimum of twelve (12) distinct units beyond the major.

Forensic Psychology

- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 350 - Introduction to Forensic Psychology
- PSY 404 - Psychopathic Mind
- PSY 443 - Social Psychology

Industrial and Organizational Psychology

- BUS 435 - Leadership in Organizations
- BUS 463 - Business and Organizational Management
- PSY 388 - Industrial and Organizational Psychology
- PSY 443 - Social Psychology

Life Span Development

- PSY 305 - Developmental Psychology: Child
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 443 - Social Psychology
- PSY 453 - Psychology of Learning

Medical Anthropology

- ANT 225 - Cultural Anthropology *OR*
- BEH 100 - Survey of the Behavioral Sciences
- ANT 315 - Health and Holistic Healing
- ANT 320 - Ethnomedicine
- ANT 430 - Culture and Personality
- PSY 338 - Sensation and Perception

Social Work

- SWK 300 - Introduction to Social Work
- SWK 335 - Alcohol and Drug Addiction
- SWK 340 - Mental Health First Aid
- SWK 345 - Trauma in Children

Sports Psychology

- KIN 454 - Behavioral Aspects of Sport

- PSY 360 - Sports Psychology
- PSY 443 - Social Psychology
- PSY 458 - Motivation and Emotion

Sociology, BA

The Sociology major prepares graduates for employment in social service careers, and for graduate study in Sociology and Social Work. The program is based on the traditional emphasis of institutions, collective behavior and the socialization process. The program provides the core foundation for understanding the social structure and its patterns, stressing the influence of systems, and highlighting issues and policy necessary for completing a graduate program in social work. Students are encouraged to pursue a complimentary minor. Students may complete a double major in Psychology and Sociology by substituting overlapping courses. Sociology majors may also complete a Psychology or Christian Behavioral Science minor.

Traditional Major Program Requirements (50 units)

Lower Division Requirement

- SOC 213 - Introduction to Sociology

Methodology Requirements

- BEH 255 - Foundational Skills in Behavioral Sciences I
- BEH 256 - Foundational Skills Behavioral Sciences II
- BEH 333 - Epistemology and Worldview
- BEH 383 - Statistics and Research Methodology I
- BEH 385 - Statistics and Research Methodology II

Upper Division Requirements

- SOC 323 - Marriage and the Family
- SOC 335 - Social Problems
- SOC 337 - Deviant Behavior
- SOC 338 - Group Dynamics and Social Movements
- SOC 345 - Race and Ethnicity
- SOC 347 - Sociology of Gender
- SOC 348 - Sociology of Aging
- SOC 355 - Social Stratification
- SOC 381 - Social Theory
- BEH 480 - Capstone *OR*
- SOC 440 - Internship in Sociology

Optional Additional Concentrations* (12 units)

Students can earn an optional concentration in one of the following areas: Forensic Psychology; Industrial and Organizational Psychology; Life Span Development; Medical Anthropology; Social Work; Sports Psychology

*Each optional concentration requires the completion of a minimum twelve (12) distinct units beyond the major.

Forensic Psychology

- PSY 213 - General Psychology
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 350 - Introduction to Forensic Psychology
- PSY 404 - Psychopathic Mind
- PSY 443 - Social Psychology

Industrial and Organizational Psychology

- BUS 435 - Leadership in Organizations
- BUS 463 - Business and Organizational Management
- PSY 213 - General Psychology
- PSY 388 - Industrial and Organizational Psychology
- PSY 443 - Social Psychology

Life Span Development

- PSY 213 - General Psychology
- PSY 305 - Developmental Psychology: Child
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 443 - Social Psychology
- PSY 453 - Psychology of Learning

Medical Anthropology

- ANT 225 - Cultural Anthropology *OR*
- BEH 100 - Survey of the Behavioral Sciences
- ANT 315 - Health and Holistic Healing
- ANT 320 - Ethnomedicine
- ANT 430 - Culture and Personality
- PSY 473 - Psychophysiology

Social Work

- SWK 300 - Introduction to Social Work
- SWK 335 - Alcohol and Drug Addiction
- SWK 340 - Mental Health First Aid
- SWK 345 - Trauma in Children

Sports Psychology

- KIN 454 - Behavioral Aspects of Sport

- PSY 213 - General Psychology
- PSY 360 - Sports Psychology
- PSY 443 - Social Psychology
- PSY 458 - Motivation and Emotion

Minor

Anthropology Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirement

- ANT 225 - Cultural Anthropology

Upper Division Requirements

- ANT 325 - Physical Anthropology and Archaeology
- ANT 340 - Theory in Anthropology
- BEH 333 - Epistemology and Worldview

Upper Division Elective Requirements

- Nine (9) additional upper division units in Anthropology

Behavioral Science Minor

Traditional Minor Program Requirements (21 units)

General Prerequisites

- ANT 225 - Cultural Anthropology *OR*
- SOC 213 - Introduction to Sociology
- BEH 100 - Survey of the Behavioral Sciences
- PSY 213 - General Psychology

Upper Division Requirements

- ANT 430 - Culture and Personality
- PSY 322 - Theories of Personality
- SOC 381 - Social Theory
- Twelve (12) units of Upper Division Anthropology, Christian Behavioral Science, Psychology or Sociology

Christian Behavioral Science Minor

Traditional Minor Program Requirements (21 units)

General Prerequisites

- BEH 100 - Survey of the Behavioral Sciences **OR**
- SOC 213 - Introduction to Sociology **OR**
- ANT 225 - Cultural Anthropology

- CST 110 - Old Testament Survey
- CST 130 - New Testament Survey
- PSY 213 - General Psychology

Upper Division Introduction Requirements

- BEH 333 - Epistemology and Worldview
- CST 370 - Christian Doctrine
- PSY 322 - Theories of Personality

Upper Division Christian Behavioral Science Requirement

- CBS 350 - Development and Discipleship

Upper Division Elective Requirements

- Complete nine (9) additional units in Christian Behavioral Science

Psychology Minor

Traditional Minor Program Requirements (21 units)

General Prerequisite

- PSY 213 - General Psychology

Upper Division Requirements

*Minor students may use elective units toward a Departmental Concentration.

- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality
- PSY 473 - Psychophysiology
- Twelve (12) units of Upper Division Psychology*

Sociology Minor

Traditional Minor Program Requirements (21 units)

Prerequisite

- SOC 213 - Introduction to Sociology

Upper Division Requirements

*Minor students may use elective units toward a Departmental Concentration.

- SOC 323 - Marriage and the Family
- SOC 335 - Social Problems
- SOC 381 - Social Theory
- Twelve (12) units of Upper Division Sociology*

College of Engineering

Dr. Anthony L. Donaldson

Dean

Dr. Helen Jung

Associate Dean

Dr. Creed Jones

Associate Dean, Graduate Programs

Ms. Felicia Tasabia

Administrative Assistant

Ms. Cori Russell

Department Secretary

Phone 951.552.8755

FAX 951.343.4782

engineering@calbaptist.edu

Faculty Information

Departments

Aerospace, Industrial, and Mechanical Engineering	April Si, Ph.D.
Bioengineering	Matthew Rickard, Ph.D.
Chemical and Biomolecular Engineering	Mark Anklam, Ph.D.
Civil Engineering	Jong-Wha Bai, Ph.D.
Computing, Software, and Data Sciences	Creed Jones, Ph.D.
Electrical and Computer Engineering	Grace Ni, Ph.D.

Through the Gordon and Jill Bourns College of Engineering at California Baptist University the Chemical Engineering, Civil Engineering, Mechanical Engineering, and Electrical and Computer Engineering degree programs are accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>. The Construction Management major is accredited by the American Council for Construction Education (ACCE), www.acce-hq.org.

Engineers provide products and services that serve the needs of humanity. Engineers see problems and challenges as opportunities in disguise. Engineering graduates are highly sought after for their critical thinking, communication and team skills and are thus well compensated. Engineering degrees prepare students for the broadest number of outcomes. In addition to a growing variety of engineering jobs, about 20% of engineering students take their training and end up being doctors, lawyers, teachers, professors, officers, business entrepreneurs and salespeople. Students have also used their training as missionaries and pastors.

Distinctives of the College of Engineering include:

- A caring, Christ centered learning community with outstanding faculty
- Both "excellent" and "average" students will have opportunities for growth
- Hands on, team oriented design projects all four years

- Required internships with industry, university research or a non profit organization prior to graduation
- Training in project management and an exposure to the business side of engineering
- All students will be shown how to obtain a provisional patent on their own creative idea
- Emphasis on broad life skill training (e.g. critical thinking, teamwork, communication etc.)
- All students are required to pass the Fundamentals of Engineering online practice exam to graduate.
- All students will be required to have a cross cultural experience
- All students will develop and maintain an electronic portfolio

Numerous regional businesses are actively involved with the College of Engineering through hiring alumni for jobs and students as interns, sponsoring capstone projects, serving on the strategic advisory board and departmental advisory councils, providing curriculum partners, funding student scholarships and equipment, and providing tours and guest lectures.

Areas of focus for research within the College of Engineering includes: outstanding undergraduate curriculum development, applications relating to human health, applications for green and sustainable technologies, and applications which have global implications.

The Engineering Degree has concentrations in Agricultural, Business, Global Applications, and Pre-Law.

Major

Biomedical Engineering, BSBME

Biomedical Engineers study the human body from an engineering perspective and create high-tech solutions for improving human health. They are well-suited for the design and development of implantables, such as artificial joints or stents, wearables, such as glucose monitors or artificial limbs, and healthcare equipment, such as a medical imaging systems or surgical consoles. Many biomedical engineering graduates select to join cutting-edge research programs where they use their knowledge of science and engineering to expand our understanding of human conditions and develop novel methods to treat disease and disabilities.

Traditional Degree Program Requirements (124-126 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Biomedical Engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and Biomedical Engineering requirements.

Math and Science Unit Requirements

[†] A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a ^{††} meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program.

- EGR 101 - Engineering from a Christian Worldview *OR*

- EGR 301 - Engineering from a Christian Worldview *
- EGR 102 - Introduction to Engineering Design *OR*
- EGR 106 - Introduction to Engineering Design - Energy Systems
- EGR 103 - Engineering Service I *OR*
- EGR 303 - Engineering Service II *
- EGR 121 - Introduction to Computer Programming in C++
- EGR 122 - Visualization Languages I *OR*
- EGR 124 - Visualization Languages - Excel
- EGR 192 - Engineering Seminar I *OR*
- EGR 392 - Engineering Seminar II *
- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (34 units)

† A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a "†" meet this requirement.

- BIO 146 - General Biology I with Lab †
- BIO 153 - Anatomy and Physiology I with Lab †
- CHE 115 - General Chemistry I with Lab
- EGR 182 - Introductory Mathematics for Engineering Applications †
- EGR 382 - Applied Differential Equations and Linear Algebra †
- MAT 245 - Analytical Geometry and Calculus I †
- MAT 255 - Analytical Geometry and Calculus II †
- PHY 201 - Physics for Engineers I with Lab †

Lower Division Biomedical Engineering Requirements (18 units)

- EGR 231 - Circuit Theory I
- EGR 241 - Statics
- EGR 242 - Strength of Materials
- EGR 261 - Fundamentals of Bioengineering I
- EGR 262 - Fundamentals of Bioengineering II
- EGR 263 - Introduction to 3D Computer Aided Design

Upper Division Biomedical Engineering Requirements (14 units)

- EGR 361 - Introduction to Biomechanics
- EGR 362 - Engineering Physiology
- EGR 462 - Biomaterials I: Fundamentals of Concepts
- EGR 463 - Biomaterials II: Polymers for Biomedical Applications
- EGR 464 - Neural Engineering

Additional Degree Requirements (0 units)

Complete an approved cross-cultural experience. Course credit is not required. A list of approved experiences is available in the College of Engineering.

Concentration Courses (16 units)

Students must complete all requirements in one of the following concentrations: General Studies; Mechanical Systems

General Studies (16 units)

- EGR 363 - Biofluid Mechanics and Relevant Technologies
- EGR 364 - Bioimaging
- EGR 365 - Biomedical Engineering Research and Instrumentation

General Studies Science Elective Requirement

Complete four (4) units in science from the following:

- BIO 163 - Anatomy and Physiology II with Lab
- BIO 313 - Genetics
- CHE 125 - General Chemistry II with Lab
- PHY 203 - Physics for Engineers II with Lab

General Studies Engineering Elective Requirement

Complete three (3) additional units from the following:

- EGR 324 - Engineering Economics

- EGR 341 - Thermodynamics
- EGR 343 - Dynamics
- EGR 344 - Materials and Manufacturing Processes
- EGR 346 - Machine Design
- EGR 351 - Structural Analysis I
- EGR 356 - Hydrology
- EGR 381 - Operations Research I: Deterministic Methods
- EGR 383 - Quality Control
- EGR 384 - Human Factors and Ergonomics
- EGR 386 - Operations Research II: Probabilistic Methods
- EGR 442 - Computer-Aided Engineering Design and Visualization
- EGR 446 - Aerodynamics
- EGR 447 - Mechanics of Composite Structures
- EGR 448 - Propulsion
- EGR 481 - Systems Simulation
- EGR 491 - Research Project

Mechanical Systems (16 units)

- EGR 363 - Biofluid Mechanics and Relevant Technologies
- PHY 203 - Physics for Engineers II with Lab

Mechanical Systems Biomedical Elective Requirement

Complete three (3) additional units from the following:

- EGR 364 - Bioimaging
- EGR 365 - Biomedical Engineering Research and Instrumentation

Mechanical Systems Elective Requirements

Complete six (6) additional units from the following:

- EGR 341 - Thermodynamics
- EGR 344 - Materials and Manufacturing Processes
- EGR 346 - Machine Design
- EGR 442 - Computer-Aided Engineering Design and Visualization
- EGR 445 - Thermal Design of Heat Exchangers
- EGR 446 - Aerodynamics
- EGR 447 - Mechanics of Composite Structures
- EGR 448 - Propulsion
- PHY 310 - Waves and Optics with Lab

Chemical Engineering, BSChE

Engineers provide products and services that serve the needs of humanity. Engineers see problems and challenges as opportunities in disguise. Engineering graduates are highly sought after for their critical thinking, communication and team skills and are thus well compensated. Engineering degrees prepare students for the broadest number of outcomes. In addition to a growing variety of engineering jobs, engineering students use their training as doctors, lawyers, teachers, professors, missionaries, military officers, business entrepreneurs and salespeople. Through the College of Engineering at California Baptist University the Civil Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Traditional Degree Program Requirements (124-127 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Chemical Engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and Chemical Engineering requirements.

Math and Science Unit Requirements

[†] A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a ^{††} meet this requirement.

Lower Division Core Engineering Requirements (15 units)

****** Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

******* Successful completion of EGR 202 is required for entrance into the Engineering degree program.

- EGR 101 - Engineering from a Christian Worldview **** OR**
- EGR 301 - Engineering from a Christian Worldview ******

- EGR 102 - Introduction to Engineering Design *OR*
- EGR 106 - Introduction to Engineering Design - Energy Systems

- EGR 103 - Engineering Service I **** OR**
- EGR 303 - Engineering Service II ******

- EGR 121 - Introduction to Computer Programming in C++

- EGR 122 - Visualization Languages I *OR*
- EGR 124 - Visualization Languages - Excel

- EGR 192 - Engineering Seminar I **** OR**
- EGR 392 - Engineering Seminar II ******

- EGR 202 - Worldview Reflection I *******

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics [†]
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (42 units)

- CHE 115 - General Chemistry I with Lab [†]
- CHE 125 - General Chemistry II with Lab [†]
- CHE 351 - Organic Chemistry I with Lab [†]
- CHE 352 - Organic Chemistry II with Lab [†]
- CHE 415 - Physical Chemistry I [†]
- EGR 182 - Introductory Mathematics for Engineering Applications [†]
- MAT 245 - Analytical Geometry and Calculus I [†]
- MAT 255 - Analytical Geometry and Calculus II [†]
- MAT 342 - Fundamentals of Multivariable Calculus and Differential Equations for Engineers [†]
- PHY 201 - Physics for Engineers I with Lab [†]
- PHY 203 - Physics for Engineers II with Lab [†]

Lower Division Chemical Engineering Requirement (4 units)

- EGR 271 - Basic Principles and Calculations in Chemical Engineering I
- EGR 272 - Basic Principles and Calculations in Chemical Engineering II

Upper Division Chemical Engineering Requirements (31 units)

- EGR 324 - Engineering Economics
- EGR 342 - Fluid Mechanics
- EGR 371 - Heat and Mass Transport
- EGR 372 - Chemical Engineering Thermodynamics
- EGR 373 - Material Engineering and Selection
- EGR 374 - Separations
- EGR 473 - Chemical Reaction Engineering
- EGR 474 - Chemical Process Control
- EGR 475 - Process Safety
- EGR 477 - Chemical Engineering Laboratory
- Three (3) additional upper division approved engineering elective units

Elective Requirement (3 units)

Three (3) additional approved engineering, science, applied math, or business units

Recommended

- BIO 146 - General Biology I with Lab
- EGR 231 - Circuit Theory I
- EGR 256 - Principles of Environmental Engineering and Science
- ENT 442 - Opportunity and the Lean Startup
- CHE 443 - Biochemistry I with Lab
- MAT 453 - Numerical Analysis

Additional Degree Requirements (0 units)

Successfully pass the practice FE Exam

Complete an approved cross-cultural experience. Course credit is not required. A list of approved experiences is available in the College of Engineering.

Civil Engineering, BSCE

Engineers provide products and services that serve the needs of humanity. Engineers see problems and challenges as opportunities in disguise. Engineering graduates are highly sought after for their critical thinking, communication and team skills and are thus well compensated. Engineering degrees prepare students for the broadest number of outcomes. In addition to a growing variety of engineering jobs, engineering students use their training as doctors, lawyers, teachers, professors, missionaries, military officers, business entrepreneurs and salespeople. Through the College of Engineering at California Baptist University the Civil Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Traditional Degree Program Requirements (124-129 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Civil Engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and Civil Engineering requirements.

Math and Science Unit Requirements

[†]A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a [†] meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program.

- EGR 101 - Engineering from a Christian Worldview * **OR**
- EGR 301 - Engineering from a Christian Worldview *
- EGR 102 - Introduction to Engineering Design *OR*
- EGR 106 - Introduction to Engineering Design - Energy Systems
- EGR 103 - Engineering Service I * **OR**
- EGR 303 - Engineering Service II *
- EGR 121 - Introduction to Computer Programming in C++
- EGR 122 - Visualization Languages I *OR*
- EGR 124 - Visualization Languages - Excel
- EGR 192 - Engineering Seminar I * **OR**
- EGR 392 - Engineering Seminar II *
- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (11 units)

- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (29 units)

- CHE 115 - General Chemistry I with Lab
- EGR 182 - Introductory Mathematics for Engineering Applications †
- BIO 204 - Microbiology for Engineers †
- MAT 245 - Analytical Geometry and Calculus I †
- MAT 255 - Analytical Geometry and Calculus II †
- MAT 343 - Multivariable Calculus †
- PHY 201 - Physics for Engineers I with Lab †

Math and Science Elective Requirement

Complete three (3) units from the following:

- EGR 382 - Applied Differential Equations and Linear Algebra [†]
- MAT 303 - Linear Algebra with Applications to Differential Equations [†]
- MAT 413 - Differential Equations [†]

Lower Division Civil Engineering Requirements (16 units)

- EGR 241 - Statics
- EGR 242 - Strength of Materials
- EGR 251 - Surveying
- EGR 254 - Materials Engineering
- EGR 256 - Principles of Environmental Engineering and Science [†]

Upper Division Civil Engineering Requirements (39 units)

- EGR 342 - Fluid Mechanics
- EGR 343 - Dynamics
- EGR 351 - Structural Analysis I
- EGR 352 - Structural Design I
- EGR 353 - Soil Mechanics
- EGR 354 - Soil and Foundation Engineering
- EGR 356 - Hydrology
- EGR 451 - Project and Construction Management
- EGR 453 - Environmental Engineering I
- EGR 455 - Structural Design II
- EGR 458 - Water Resources Engineering
- Six (6) additional upper division approved engineering elective units

Additional Degree Requirements (0 units)

- Successfully pass the practice FE Exam
- Complete an approved cross-cultural experience. Course credit is not required. A list of approved experiences is available in the College of Engineering.

Computer Science, BCS

Computer scientists study computers: their design, their use for computation and control, and especially their software components. Computer scientists can perform roles ranging from systems design and architecture through software design, development and maintenance, through analysis and research. Often, software developers will have a degree in computer science. An essential element of computer science is the mathematical and theoretical foundation of computing and software. As one of the most rapidly developing and expanding fields, computer science offers a wide range of career choices.

Traditional Degree Program Requirements (124 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Computer Science requirements. Approximately eighteen (18) units of general education are not met in the specific core and Computer Science requirements.

Math and Science Unit Requirements

†A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a † meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Computer Science degree program.

- EGR 101 - Engineering from a Christian Worldview *OR*
- EGR 301 - Engineering from a Christian Worldview *

- EGR 102 - Introduction to Engineering Design *OR*
- EGR 106 - Introduction to Engineering Design - Energy Systems

- EGR 103 - Engineering Service I *OR*
- EGR 303 - Engineering Service II *

- EGR 121 - Introduction to Computer Programming in C++

- EGR 122 - Visualization Languages I *OR*
- EGR 124 - Visualization Languages - Excel

- EGR 192 - Engineering Seminar I *OR*
- EGR 392 - Engineering Seminar II *

- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (32 units)

- CSC 312 - Algorithms †
- EGR 182 - Introductory Mathematics for Engineering Applications †
- EGR 225 - Discrete Structures I †
- EGR 328 - Numerical Methods for Computing †
- MAT 245 - Analytical Geometry and Calculus I †
- MAT 255 - Analytical Geometry and Calculus II †
- PHY 201 - Physics for Engineers I with Lab †
- PHY 203 - Physics for Engineers II with Lab †
- Four (4) units of approved science †

Lower Division Computing and Software Requirements (12 units)

- EGR 221 - Data Structures
- EGR 222 - Software Engineering
- EGR 223 - Software Engineering Approach to Human Computer Interaction
- EGR 226 - Operating Systems and Networking

Upper Division Computer Science Requirements (29 units)

- CSC 311 - Compiler Design and Languages
- CSC 313 - Graphics and Visual Computing
- CSC 411 - Social and Professional Issues in Computing
- CSC 412 - Intelligent Systems
- CSC 413 - Information Security and Computer Forensics
- CSC 414 - Theory of Computation
- EGR 324 - Engineering Economics
- EGR 325 - Database Systems
- EGR 329 - Computer Architecture
- EGR 425 - Real Time and Embedded Development

Cross Cultural Experience Requirement (0 units)

Computer Science students are required to complete an approved cross cultural experience. Course credit is not required. A list of approved experiences are available in the College of Engineering.

Construction Management, BS

The Construction Management program prepares men and women for management and supervisory professions in the world of construction. This program focuses on field operations, estimating, and project management processes as they relate to the built environment.

Traditional Major Program Requirements (83 units)

Lower Division Requirements (34 units)

- ACC 250 - Principles of Accounting I
- BUS 217 - Microeconomics *OR*
- BUS 218 - Macroeconomics
- CHE 102 - Fundamentals of Chemistry *OR*
- ENV 151 - Introduction to the Geosciences
- CON 105 - Introduction to Construction Management
- CON 205 - Plan Reading and Estimating
- CON 215 - Computer-Aided Drafting and Design
- EGR 101 - Engineering from a Christian Worldview
- EGR 103 - Engineering Service I
- EGR 202 - Worldview Reflection I
- EGR 251 - Surveying
- MAT 245 - Analytical Geometry and Calculus I *OR*
- MAT 145 - Mathematical Methods in the Natural Sciences
- PHY 214 - Physics I with Lab **OR**
- PHY 201 - Physics for Engineers I with Lab

Upper Division Requirements (49 units)

- ARC 393 - Structural Systems I
- BUS 358 - Business Law
- BUS 463 - Business and Organizational Management
- CON 310 - Construction Materials and Methods
- CON 315 - Building Information Modeling
- CON 325 - Construction Company Financial Management
- CON 330 - Construction Safety
- CON 340 - Building Structures
- CON 350 - Project Delivery, Law and Contracts
- CON 415 - Emerging Technologies in Construction
- CON 430 - Advanced Estimating
- CON 460 - Construction Planning and Scheduling
- CON 470 - Mechanical Electrical and Piping Construction
- EGR 304 - Leadership Cohort
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio
- EGR 451 - Project and Construction Management

Electrical and Computer Engineering, BSECE

Electrical and Computer Engineering is a profession in great demand. From supercomputers and robotics to self-driving electric vehicles and renewable energy, electrical and computer engineers are improving the quality of life everywhere in the world. Students in this major study electrical and electronic circuits, control systems, telecommunication systems, signal processing, computers, microcontrollers, and other digital systems. CBU's electrical and computer engineering program trains students to become problem solvers and innovators with the technologies of the 21st century. Through the College of Engineering at California Baptist University the Electrical and Computer Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Traditional Degree Program Requirements (124-126 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Electrical and Computer Engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and Electrical and Computer Engineering requirements.

Math and Science Unit Requirements

[†] A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a ^{††} meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program.

- EGR 101 - Engineering from a Christian Worldview * *OR*
- EGR 301 - Engineering from a Christian Worldview *

- EGR 102 - Introduction to Engineering Design *OR*
- EGR 106 - Introduction to Engineering Design - Energy Systems

- EGR 103 - Engineering Service I * *OR*
- EGR 303 - Engineering Service II *

- EGR 121 - Introduction to Computer Programming in C++

- EGR 122 - Visualization Languages I *OR*
- EGR 124 - Visualization Languages - Excel

- EGR 192 - Engineering Seminar I * *OR*
- EGR 392 - Engineering Seminar II *

- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (30-31 units)

- EGR 182 - Introductory Mathematics for Engineering Applications †
- EGR 382 - Applied Differential Equations and Linear Algebra †
- MAT 245 - Analytical Geometry and Calculus I †
- MAT 255 - Analytical Geometry and Calculus II †
- MAT 343 - Multivariable Calculus †
- PHY 201 - Physics for Engineers I with Lab †
- PHY 203 - Physics for Engineers II with Lab †

Science Elective Requirement

Complete three (3) additional units in Science †

Recommend:

- BIO 146 - General Biology I with Lab
- BIO 153 - Anatomy and Physiology I with Lab
- CHE 115 - General Chemistry I with Lab

Lower Division Electrical and Computer Engineering Requirements (15 units)

- EGR 221 - Data Structures
- EGR 231 - Circuit Theory I
- EGR 232 - Circuit Theory II and Design
- EGR 234 - Digital Logic Design

Upper Division Electrical and Computer Engineering Requirements (33 units)

- EGR 321 - Computer Organization

- EGR 322 - Microcontroller System Design
- EGR 331 - Signals and Systems
- EGR 333 - Electronics I
- EGR 334 - Electronics II
- EGR 335 - Data Acquisition, Design and Visualization
- EGR 431 - Control Systems
- EGR 432 - Applied Electromagnetics
- EGR 433 - Power Electronics
- Six (6) additional upper division approved engineering elective units

Additional Degree Requirements (0 units)

- Successfully pass the practice FE Exam
- Complete an approved cross-cultural experience. Course credit is not required. A list of approved experiences is available in the College of Engineering.

Engineering, BSE

(also see Biomedical Engineering, BSBME, Chemical Engineering, BSChE, Civil Engineering, BSCE, Electrical and Computer Engineering, BSECE, Industrial and Systems Engineering, BSISE, Mechanical Engineering, BSME, and Software Engineering, BSSE)

Engineers provide products and services that serve the needs of humanity. Engineers see problems and challenges as opportunities in disguise. Engineering graduates are highly sought after for their critical thinking, communication and team skills and are thus well compensated. Engineering degrees prepare students for the broadest number of vocational outcomes. In addition to a growing variety of engineering jobs, engineering students use their training as doctors, lawyers, teachers, professors, missionaries, military officers, business entrepreneurs and salespeople.

Traditional Degree Program Requirements (124-130 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific engineering requirements. Approximately twelve (12) to eighteen (18) units of general education are not met in the specific core and engineering requirements.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program

- EGR 101 - Engineering from a Christian Worldview * **OR**
- EGR 301 - Engineering from a Christian Worldview *
- EGR 102 - Introduction to Engineering Design **OR**
- EGR 106 - Introduction to Engineering Design - Energy Systems

- EGR 103 - Engineering Service I * **OR**
- EGR 303 - Engineering Service II *
- EGR 121 - Introduction to Computer Programming in C++
- EGR 122 - Visualization Languages I **OR**
- EGR 124 - Visualization Languages - Excel
- EGR 192 - Engineering Seminar I * **OR**
- EGR 392 - Engineering Seminar II *
- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (16 units)

- EGR 182 - Introductory Mathematics for Engineering Applications
- MAT 245 - Analytical Geometry and Calculus I
- PHY 201 - Physics for Engineers I with Lab
- PHY 203 - Physics for Engineers II with Lab

Upper Division General Engineering Elective Requirements (9 units)

Complete nine (9) additional upper division engineering elective units

Recommendations include:

- EGR 332 - Communication Systems
- EGR 341 - Thermodynamics
- EGR 432 - Applied Electromagnetics
- EGR 453 - Environmental Engineering I

Additional Degree Requirements (0 units)

Successfully pass the practice FE Exam

Complete an approved cross-cultural experience. Course credit is not required. A list of approved experiences is available in the College of Engineering.

Concentration Courses (43-60 units)

Students must complete all requirements in one of the following concentrations: Agricultural; Business; Global Applications; Pre-Law

Agricultural Concentration (57 units)

Lower Division Requirements

- BIO 114 - General Botany with Lab
- EGR 241 - Statics
- EGR 242 - Strength of Materials
- MAT 255 - Analytical Geometry and Calculus II
- NFS 101 - Introduction to Nutrition and Food Sciences

Upper Division Requirements

- BIO 305 - Microbiology with Lab
- EGR 341 - Thermodynamics
- EGR 342 - Fluid Mechanics
- EGR 343 - Dynamics
- EGR 346 - Machine Design
- EGR 353 - Soil Mechanics
- EGR 356 - Hydrology
- EGR 371 - Heat and Mass Transport
- EGR 382 - Applied Differential Equations and Linear Algebra
- EGR 453 - Environmental Engineering I
- EGR 454 - Environmental Engineering II
- EGR 458 - Water Resources Engineering
- GSC 310 - Sustainable Agriculture and Population Dynamics

Business Concentration (50-51 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BIO 146 - General Biology I with Lab
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- CHE 115 - General Chemistry I with Lab
- CIS 265 - Information Systems Essentials

Lower Division Engineering Elective Requirements

Complete one (1) of the following courses:

- EGR 231 - Circuit Theory I
- EGR 234 - Digital Logic Design
- EGR 241 - Statics

Upper Division Requirements

- BUS 358 - Business Law
- BUS 334 - International Business
- BUS 463 - Business and Organizational Management
- MKT 333 - Principles of Marketing

Upper Division Engineering Elective Requirements

Complete nine (9) additional upper division approved engineering elective units from the following:

Global Applications Concentration (44-45 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- CHE 115 - General Chemistry I with Lab
- ICS 105 - Introduction to Global Studies
- ICS 205 - Models of Discipleship
- SOC 213 - Introduction to Sociology

Lower Division Engineering Elective Requirement

Complete one (1) of the following courses:

- EGR 231 - Circuit Theory I
- EGR 234 - Digital Logic Design
- EGR 241 - Statics

Upper Division Requirements

- ICS 305 - Global Perspectives
- ICS 405 - Marketplace Strategies for Global Advancement
- ICS 430 - Intercultural Communications
- PHI 353 - Comparative Religions
- POL 415 - World Geography

Upper Division Engineering Elective Requirements

Complete nine (9) additional upper division approved engineering elective units from the following:

Pre-Law Concentration (59-60 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- CHE 115 - General Chemistry I with Lab
- COM 113 - Oral Communication
- POL 213 - American Government
- POL 223 - State and Local Government

Lower Division Engineering Elective Requirement

Complete one (1) of the following courses:

- EGR 231 - Circuit Theory I
- EGR 234 - Digital Logic Design
- EGR 241 - Statics

Upper Division Requirements

- BUS 358 - Business Law
- BUS 359 - Intellectual Property Law
- COM 401 - Argumentation and Debate
- PHI 300 - Logic
- PHI 323 - Ethics
- PHI 324 - Applied Ethics
- POL 330 - Law and Literature
- POL 440 - Pre-Law Internship (3 units)
- POL 453 - Administrative Law and Bureaucracy
- POL 484 - Constitutional Law I

Upper Division Engineering Elective Requirements

Nine (9) additional upper division approved engineering elective units

Industrial and Systems Engineering, BSISE

Engineers provide products and services that serve the needs of humanity. Engineers see problems and challenges as opportunities in disguise. Engineering graduates are highly sought after for their critical thinking, communication and team skills and are thus well compensated. Engineering degrees prepare students for the broadest number of outcomes. In addition to a growing variety of engineering jobs, engineering students use their training as doctors, lawyers, teachers, professors, missionaries, military officers, business entrepreneurs and salespeople.

Traditional Degree Program Requirements (124-125 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Industrial and Systems Engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and Industrial and Systems Engineering requirements.

Math and Science Unit Requirements

† A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a † meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program.

- EGR 101 - Engineering from a Christian Worldview **OR**
- EGR 301 - Engineering from a Christian Worldview *
- EGR 102 - Introduction to Engineering Design **OR**
- EGR 106 - Introduction to Engineering Design - Energy Systems
- EGR 103 - Engineering Service I **OR**
- EGR 303 - Engineering Service II *
- EGR 121 - Introduction to Computer Programming in C++
- EGR 122 - Visualization Languages I **OR**
- EGR 124 - Visualization Languages - Excel
- EGR 192 - Engineering Seminar I **OR**
- EGR 392 - Engineering Seminar II *
- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation

Math and Science Requirements (31 units)

- EGR 182 - Introductory Mathematics for Engineering Applications †
- EGR 382 - Applied Differential Equations and Linear Algebra †
- MAT 245 - Analytical Geometry and Calculus I †
- MAT 255 - Analytical Geometry and Calculus II †
- MAT 343 - Multivariable Calculus †
- PHY 201 - Physics for Engineers I with Lab †
- PHY 203 - Physics for Engineers II with Lab †
- CHE 115 - General Chemistry I with Lab †

Lower Division Industrial and Systems Engineering Requirements (7 units)

- EGR 231 - Circuit Theory I
- EGR 281 - Introduction to Industrial and Systems Engineering

Upper Division Industrial and Systems Engineering Requirements (28 units)

- EGR 324 - Engineering Economics
- EGR 344 - Materials and Manufacturing Processes
- EGR 381 - Operations Research I: Deterministic Methods
- EGR 383 - Quality Control
- EGR 384 - Human Factors and Ergonomics
- EGR 386 - Operations Research II: Probabilistic Methods
- EGR 481 - Systems Simulation
- EGR 482 - Supply Chain and Logistics Management
- EGR 483 - Production Systems

Upper Division Engineering Elective Requirements (6 units)

Complete six (6) units from the following:

- EGR 223 - Software Engineering Approach to Human Computer Interaction
- EGR 225 - Discrete Structures I
- EGR 232 - Circuit Theory II and Design
- EGR 241 - Statics
- EGR 242 - Strength of Materials
- EGR 252 - Transportation
- EGR 254 - Materials Engineering
- EGR 256 - Principles of Environmental Engineering and Science
- EGR 261 - Fundamentals of Bioengineering I
- EGR 341 - Thermodynamics
- EGR 342 - Fluid Mechanics
- EGR 361 - Introduction to Biomechanics

Upper Division Breadth Elective Requirements (6 units)

Complete six (6) upper division units from the following:

- BUS 343 - Human Resource Management
- BUS 475 - Project and Team Management
- EGR 442 - Computer-Aided Engineering Design and Visualization
- EGR 451 - Project and Construction Management
- EGR 456 - Sustainable Civil Engineering
- EGR 457 - Transportation Engineering
- ENT 357 - Small Business Management
- MKT 333 - Principles of Marketing
- MKT 463 - Marketing Management

Additional Degree Requirements (0 units)

- Successfully pass the practice FE Exam
- Complete an approved cross cultural experience. Course credit is not required. A list of approved experiences are available in the College of Engineering.

Mechanical Engineering, BSME

Engineers provide products and services that serve the needs of humanity. Engineers see problems and challenges as opportunities in disguise. Engineering graduates are highly sought after for their critical thinking, communication and team skills and are thus well compensated. Engineering degrees prepare students for the broadest number of outcomes. In addition to a growing variety of engineering jobs, engineering students use their training as doctors, lawyers, teachers, professors, missionaries, military officers, business entrepreneurs and salespeople. Through the College of Engineering at California Baptist University the Mechanical Engineering degree program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

Traditional Degree Program Requirements (124-128 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific mechanical engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and mechanical engineering requirements.

Math and Science Unit Requirements

[†] A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a ^{††} meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program.

- EGR 101 - Engineering from a Christian Worldview **OR**
- EGR 301 - Engineering from a Christian Worldview *
- EGR 102 - Introduction to Engineering Design *OR*
- EGR 106 - Introduction to Engineering Design - Energy Systems
- EGR 103 - Engineering Service I **OR**
- EGR 303 - Engineering Service II *
- EGR 121 - Introduction to Computer Programming in C++
- EGR 122 - Visualization Languages I *OR*
- EGR 124 - Visualization Languages - Excel
- EGR 192 - Engineering Seminar I **OR**
- EGR 392 - Engineering Seminar II *
- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 403 - FE Exam
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (31 units)

- CHE 115 - General Chemistry I with Lab †
- EGR 182 - Introductory Mathematics for Engineering Applications †
- MAT 245 - Analytical Geometry and Calculus I †
- MAT 255 - Analytical Geometry and Calculus II †
- MAT 343 - Multivariable Calculus †
- EGR 382 - Applied Differential Equations and Linear Algebra † **OR**
- MAT 303 - Linear Algebra with Applications to Differential Equations † **OR**
- MAT 413 - Differential Equations †
- PHY 201 - Physics for Engineers I with Lab †

- PHY 203 - Physics for Engineers II with Lab †

Lower Division Mechanical Engineering Requirements (14 units)

- EGR 231 - Circuit Theory I
- EGR 232 - Circuit Theory II and Design
- EGR 241 - Statics
- EGR 242 - Strength of Materials

Upper Division Mechanical Engineering Requirements (37 units)

- EGR 331 - Signals and Systems
- EGR 341 - Thermodynamics
- EGR 342 - Fluid Mechanics
- EGR 343 - Dynamics
- EGR 344 - Materials and Manufacturing Processes
- EGR 346 - Machine Design
- EGR 431 - Control Systems
- EGR 441 - Heat Transfer
- EGR 442 - Computer-Aided Engineering Design and Visualization
- EGR 443 - Mechanical Vibrations
- EGR 444 - Mechanical Engineering Laboratory
- Three (3) additional upper division approved engineering elective units

Additional Degree Requirements (0 units)

Successfully pass the practice FE Exam

Complete an approved cross cultural experience. Course credit is not required. A list of approved experiences are available in the College of Engineering.

Software Engineering, BSSE

Software engineers work to produce effective software applications for the benefit and use of mankind. They work in almost every industry creating and enhancing software as either a product or supporting mechanism. Software engineers are educated to analyze, problem solve, create, and optimize complex systems. They work over a wide range of scales, designing and implementing software in a predictable and reliable manner.

Traditional Degree Program Requirements (124 units)

General Education

The general education requirements will follow the curriculum set forth for other university programs. Some general education requirements will be met through specific Software Engineering requirements. Approximately eighteen (18) units of general education are not met in the specific core and Software Engineering requirements.

Math and Science Unit Requirements

† A minimum of thirty two (32) units of Math or Science coursework is required for the degree. Courses in the degree designated with a † meet this requirement.

Lower Division Core Engineering Requirements (15 units)

* Junior/Senior transfer students will complete EGR 301, EGR 303, and EGR 392. All other students will complete EGR 101, EGR 103, and EGR 192.

** Successful completion of EGR 202 is required for entrance into the Engineering degree program

- EGR 101 - Engineering from a Christian Worldview **OR**
- EGR 301 - Engineering from a Christian Worldview *
- EGR 102 - Introduction to Engineering Design **OR**
- EGR 106 - Introduction to Engineering Design - Energy Systems
- EGR 103 - Engineering Service I **OR**
- EGR 303 - Engineering Service II *
- EGR 121 - Introduction to Computer Programming in C++
- EGR 122 - Visualization Languages I **OR**
- EGR 124 - Visualization Languages - Excel
- EGR 192 - Engineering Seminar I **OR**
- EGR 392 - Engineering Seminar II *
- EGR 202 - Worldview Reflection I **

Upper Division Core Engineering Requirements (14 units)

- EGR 302 - Engineering Design and Documentation
- EGR 304 - Leadership Cohort
- EGR 305 - Engineering Statistics †
- EGR 306 - Internship Preparation
- EGR 390 - Internship
- EGR 401 - Capstone Design
- EGR 402 - Capstone Design and Presentation
- EGR 404 - Worldview Reflection II
- EGR 405 - Internship Report and Presentation
- EGR 406 - Senior Portfolio

Math and Science Requirements (32 units)

- CSC 312 - Algorithms †
- EGR 182 - Introductory Mathematics for Engineering Applications †
- EGR 225 - Discrete Structures I †
- EGR 328 - Numerical Methods for Computing †
- MAT 245 - Analytical Geometry and Calculus I †

- MAT 255 - Analytical Geometry and Calculus II †
- PHY 201 - Physics for Engineers I with Lab †
- PHY 203 - Physics for Engineers II with Lab †
- Four (4) units of approved science †

Lower Division Software Engineering Requirements (12 units)

- EGR 222 - Software Engineering
- EGR 226 - Operating Systems and Networking
- EGR 221 - Data Structures
- EGR 223 - Software Engineering Approach to Human Computer Interaction

Upper Division Software Engineering Requirements (31 units)

- EGR 323 - Software Requirements and Analysis
- EGR 324 - Engineering Economics
- EGR 325 - Database Systems
- EGR 326 - Software Design and Architecture
- EGR 327 - Software Construction
- EGR 329 - Computer Architecture
- EGR 423 - Mobile Applications Development
- EGR 424 - Web Application Development
- EGR 425 - Real Time and Embedded Development
- EGR 427 - Software Project Management

Cross Cultural Experience Requirement (0 units)

Engineering students are required to complete an approved cross cultural experience. Course credit is not required. A list of approved experiences are available in the College of Engineering.

Minor

Aerospace Engineering Minor

Traditional Minor Program Requirements (25 units)

Lower Division Requirements

- EGR 182 - Introductory Mathematics for Engineering Applications **OR**
- MAT 245 - Analytical Geometry and Calculus I
- EGR 241 - Statics
- EGR 242 - Strength of Materials

Upper Division Mechanical Engineering Elective Requirements

Complete six (6) upper division units from the following:

- EGR 341 - Thermodynamics
- EGR 342 - Fluid Mechanics
- EGR 344 - Materials and Manufacturing Processes
- EGR 346 - Machine Design
- EGR 443 - Mechanical Vibrations
- EGR 444 - Mechanical Engineering Laboratory

Upper Division Aerospace Engineering Elective Requirements

Complete six (6) upper division units from the following:

- EGR 446 - Aerodynamics
- EGR 447 - Mechanics of Composite Structures
- EGR 448 - Propulsion

Upper Division Elective Requirement

Complete three (3) upper division units from the following:

- AMG 322 - Aviation Safety
- AMG 324 - Aviation Security
- EGR 335 - Data Acquisition, Design and Visualization
- EGR 445 - Thermal Design of Heat Exchangers
- FLT 328 - Aircraft Systems

Biomechanics and Rehabilitation Engineering Minor

Traditional Minor Program Requirements (26 units)

Lower Division Requirements

- BIO 153 - Anatomy and Physiology I with Lab
- EGR 241 - Statics
- EGR 242 - Strength of Materials
- MAT 245 - Analytical Geometry and Calculus I

Upper Division Requirements

- EGR 305 - Engineering Statistics
- EGR 361 - Introduction to Biomechanics
- EGR 365 - Biomedical Engineering Research and Instrumentation

- EGR 461 - Rehabilitation Engineering **OR**
- EGR 464 - Neural Engineering
- EGR 491 - Research Project

Chemical Engineering Minor

Traditional Minor Program Requirements (32 units)

Lower Division Requirements

- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- EGR 271 - Basic Principles and Calculations in Chemical Engineering I
- EGR 272 - Basic Principles and Calculations in Chemical Engineering II
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II

Upper Division Requirements

- MAT 342 - Fundamentals of Multivariable Calculus and Differential Equations for Engineers
- EGR 342 - Fluid Mechanics
- EGR 371 - Heat and Mass Transport
- EGR 473 - Chemical Reaction Engineering *OR*
- EGR 474 - Chemical Process Control

Computer Engineering Minor

See also the following majors and minors:

- Electrical and Computer Engineering, BSECE
- Computer Science Minor
- Computer Science, BCS

Traditional Minor Program Requirements (34 units)

Lower Division Requirements

- EGR 121 - Introduction to Computer Programming in C++ *OR*
- CIS 268 - Computer Programming Languages
- EGR 182 - Introductory Mathematics for Engineering Applications *OR*
- MAT 245 - Analytical Geometry and Calculus I
- EGR 221 - Data Structures

- EGR 231 - Circuit Theory I
- EGR 232 - Circuit Theory II and Design
- EGR 234 - Digital Logic Design

Upper Division Requirements

- EGR 321 - Computer Organization
- EGR 322 - Microcontroller System Design
- EGR 335 - Data Acquisition, Design and Visualization
- EGR 435 - Advanced Digital System Design Using FPGAs

Computer Science Minor

Traditional Minor Program Requirements (23 units)

Lower Division Requirements

- EGR 121 - Introduction to Computer Programming in C++ **OR**
- CIS 268 - Computer Programming Languages
- EGR 221 - Data Structures
- EGR 225 - Discrete Structures I

Upper Division Requirements

- CSC 312 - Algorithms
- CSC 411 - Social and Professional Issues in Computing
- EGR 329 - Computer Architecture

Upper Division Elective Requirements

Complete six (6) units from the following:

- CSC 311 - Compiler Design and Languages
- CSC 313 - Graphics and Visual Computing
- CSC 412 - Intelligent Systems
- CSC 413 - Information Security and Computer Forensics
- CSC 414 - Theory of Computation
- EGR 325 - Database Systems
- EGR 425 - Real Time and Embedded Development

Construction Management Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirements

- CON 105 - Introduction to Construction Management
- CON 205 - Plan Reading and Estimating

Upper Division Requirements

- CON 310 - Construction Materials and Methods
- CON 330 - Construction Safety
- CON 350 - Project Delivery, Law and Contracts
- CON 470 - Mechanical Electrical and Piping Construction

Data Sciences Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirements

- EGR 121 - Introduction to Computer Programming in C++ **OR**
- CIS 268 - Computer Programming Languages
- EGR 221 - Data Structures

Upper Division Requirements

- CIS 465 - Essentials of Geographic Information Systems
- CSC 413 - Information Security and Computer Forensics
- EGR 324 - Engineering Economics
- EGR 325 - Database Systems

Electrical Engineering Minor

Traditional Minor Program Requirements (31 units)

Lower Division Requirements

- EGR 231 - Circuit Theory I
- EGR 232 - Circuit Theory II and Design
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II

Upper Division Requirements

- EGR 331 - Signals and Systems

- EGR 333 - Electronics I
- EGR 335 - Data Acquisition, Design and Visualization
- EGR 431 - Control Systems

Upper Division Elective Requirement

Complete three (3) additional upper division units from the following:

- EGR 334 - Electronics II
- EGR 432 - Applied Electromagnetics
- EGR 433 - Power Electronics

Environmental Engineering Minor

Traditional Minor Program Requirements (23 units)

Lower Division Requirements

- CHE 115 - General Chemistry I with Lab
- EGR 256 - Principles of Environmental Engineering and Science
- MAT 245 - Analytical Geometry and Calculus I

Upper Division Requirements

- EGR 342 - Fluid Mechanics **OR**
- EGR 456 - Sustainable Civil Engineering
- EGR 356 - Hydrology
- EGR 453 - Environmental Engineering I
- EGR 454 - Environmental Engineering II

Industrial and Systems Engineering Minor

Traditional Minor Program Requirements (34 units)

Lower Division Requirements

- EGR 121 - Introduction to Computer Programming in C++
- EGR 281 - Introduction to Industrial and Systems Engineering
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II

Upper Division Requirements

- EGR 305 - Engineering Statistics

- EGR 381 - Operations Research I: Deterministic Methods
- EGR 382 - Applied Differential Equations and Linear Algebra
- EGR 481 - Systems Simulation

Upper Division Elective Requirement

Complete three (3) upper division units from the following:

- CON 460 - Construction Planning and Scheduling
- EGR 324 - Engineering Economics
- EGR 325 - Database Systems
- EGR 344 - Materials and Manufacturing Processes
- EGR 361 - Introduction to Biomechanics
- EGR 383 - Quality Control
- EGR 384 - Human Factors and Ergonomics
- EGR 386 - Operations Research II: Probabilistic Methods
- EGR 427 - Software Project Management
- EGR 431 - Control Systems
- EGR 451 - Project and Construction Management
- EGR 456 - Sustainable Civil Engineering
- EGR 474 - Chemical Process Control
- EGR 475 - Process Safety
- EGR 482 - Supply Chain and Logistics Management
- EGR 483 - Production Systems

Mechanical Engineering Minor

Traditional Minor Program Requirements (48 units)

Lower Division Requirements

- EGR 241 - Statics
- EGR 242 - Strength of Materials
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II
- CHE 115 - General Chemistry I with Lab
- PHY 201 - Physics for Engineers I with Lab
- PHY 203 - Physics for Engineers II with Lab

Upper Division Requirements

- EGR 341 - Thermodynamics
- EGR 342 - Fluid Mechanics
- EGR 343 - Dynamics
- EGR 441 - Heat Transfer
- EGR 442 - Computer-Aided Engineering Design and Visualization

- MAT 343 - Multivariable Calculus

Upper Division Elective Requirement

Complete three (3) upper division units from the following:

- EGR 344 - Materials and Manufacturing Processes
- EGR 346 - Machine Design
- EGR 443 - Mechanical Vibrations
- EGR 444 - Mechanical Engineering Laboratory
- EGR 445 - Thermal Design of Heat Exchangers

Mechatronics Minor

Traditional Minor Program Requirements (38 units)

Lower Division Requirements

- EGR 231 - Circuit Theory I
- EGR 232 - Circuit Theory II and Design
- EGR 234 - Digital Logic Design
- MAT 245 - Analytical Geometry and Calculus I
- MAT 255 - Analytical Geometry and Calculus II

Upper Division Requirements

- EGR 321 - Computer Organization
- EGR 322 - Microcontroller System Design
- EGR 331 - Signals and Systems
- EGR 335 - Data Acquisition, Design and Visualization
- EGR 431 - Control Systems
- EGR 434 - Robot Modeling and Control

Software Engineering Minor

Traditional Minor Program Requirements (19 units)

Prerequisite

- CIS 268 - Computer Programming Languages **OR**
- EGR 121 - Introduction to Computer Programming in C++

Lower Division Requirements

- EGR 221 - Data Structures
- EGR 222 - Software Engineering

Upper Division Requirements

- EGR 325 - Database Systems
- EGR 327 - Software Construction
- EGR 491 - Research Project (1 unit)

Upper Division Elective Requirement

Complete three (3) upper division units in software engineering from the following:

- EGR 423 - Mobile Applications Development
- EGR 424 - Web Application Development
- EGR 425 - Real Time and Embedded Development

Additional Upper Division Elective Requirement

Complete three (3) additional upper division units in software engineering from the following:

- EGR 323 - Software Requirements and Analysis
- EGR 324 - Engineering Economics
- EGR 326 - Software Design and Architecture
- EGR 329 - Computer Architecture
- EGR 423 - Mobile Applications Development
- EGR 424 - Web Application Development
- EGR 425 - Real Time and Embedded Development
- EGR 427 - Software Project Management

College of Health Science

Dr. David Pearson

Dean

Ms. Allison Russell

Administrative Assistant

Phone 951.343.4619

FAX 951.552.8739

healthscience@calbaptist.edu

Faculty Information

Departments

Allied Health Professions

Nicole MacDonald, Dr.P.H.

Kinesiology

Sean Sullivan, Ph.D.

Physician Assistant Studies

Allan Bedashi, D.H.Sc.

Public Health Sciences

Marshare Penny, Ph.D.

The College of Health Science exists to transform lives through the Health Professions and consists of the following four departments: Allied Health Professions, Kinesiology, Physician Assistant Studies, and Public Health Sciences.

The College is defined by its outstanding teaching and learning mission; specialized emphasis on the allied health professions; and efforts to serve as a premier institution for the intellectual and spiritual development of students, faculty, and staff. The College of Health Science will clearly and regularly support the concepts of being Biblically rooted, academically prepared, equipped to serve, and globally minded.

We take pride in our faculty commitment to teaching and learning as we prepare individuals for futures in a wide variety of professions. Furthermore, we prepare future leaders who will serve as health care, fitness, and leadership professionals.

The faculty and staff of the California Baptist University College of Health Science (CHS) commit to supporting CHS students, and one another, in the attainment of educational, spiritual, and vocational goals consistent with a Biblical worldview. Faculty and staff will steadfastly model the Christlike behaviors of interactive teaching, servant leadership, and inspired scholarship aimed at improving the human condition. CHS faculty, staff, and students will be encouraged and equipped to make a significant and positive impact locally and around the world.

Department of Allied Health Professions

Dr. Nicole MacDonald

Chair

Ms. Lisa Schwartz

Department Secretary

Phone 951.552.8531

lschwartz@calbaptist.edu

Faculty Information

The Department of Allied Health Professions is a multidisciplinary department dedicated to preparing students to contribute to a global society and a diverse workforce through academic and clinical training of allied health professionals. This is accomplished by providing allied health professions students with the knowledge and skills basic to the practice of their disciplines from a Christian worldview, instilling them with the fundamental attitudes of professionalism, and enabling them to function in inter-professional collaboration that emphasizes whole person care.

Major

Communication Sciences and Disorders, BS

The Communication Sciences and Disorders Major is designed for students to acquire skills and competencies in the areas of speech, hearing, language, and swallowing. This program in Communication Sciences and Disorders is designed to prepare students for graduate work in Speech Language Pathology or Audiology, as well as for entering into related professions.

Satisfactory completion of CDS 495 Clinical Practicum is required for registration as a Speech Language Pathology Assistant with the Speech-Language Pathology and Audiology and Hearing Aid Dispensers Board of the State of California Department of Consumer Affairs.

Traditional Major Program Requirements (71 units)

Lower Division Requirements

- ANT 225 - Cultural Anthropology *OR*
- SOC 213 - Introduction to Sociology

- BIO 153 - Anatomy and Physiology I with Lab
- CDS 101 - Introduction to Communication Disorders
- CDS 230 - Phonetics
- CDS 240 - Speech and Hearing Anatomy and Physiology
- CDS 250 - Typical and Atypical Language Development
- CHE 102 - Fundamentals of Chemistry
- HSC 100 - Introduction to the Health Science Professions
- PSY 120 - Lifespan Development for the Health Professions
- STA 144 - Introduction to Statistics

Lower Division Electives

Complete six (6) units from the following:

- ASL 115 - American Sign Language I
- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care
- PSY 213 - General Psychology

Upper Division Requirements

- CDS 310 - Introduction to Audiology
- CDS 320 - Aural Rehabilitation
- CDS 330 - Speech Hearing Sciences
- CDS 340 - Clinical Methods and Procedures
- CDS 405 - Fluency Disorders
- CDS 410 - Language Disorders in Children
- CDS 420 - Articulation and Phonological Disorders
- CDS 430 - Neurogenic and Neurological Disorders
- CDS 440 - Voice and Craniofacial Disorders
- HSC 480 - Research Methods

Upper Division Elective Requirements

Complete six (6) units from the following:

*Required for registration as a Speech Language Pathology Assistant with the Speech-Language Pathology and Audiology and Hearing Aid Dispensers Board of the State of California Department of Consumer Affairs.

- CDS 400 - Special Topics in Communication Disorders
- CDS 495 - Speech Language Pathology Assistant Clinical Practicum *
- ECH 320 - Cognitive Development in Infancy and Early Childhood
- ECH 375 - Early Intervention: Early Childhood Special Education
- ECH 385 - Theories and Models for Understanding Behavior in Young Children with Disabilities
- ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities
- EDU 341 - The Exceptional Child

Physical Therapist Assistant, AS

The Associate of Science in Physical Therapist Assistant degree prepares the student for employment as a physical therapist assistant. Physical therapist assistants work under the supervision of licensed physical therapists in a wide variety of health care settings.

Admission requirements for the Physical Therapist Assistant Program

Students must meet the following requirements prior to admission to the program:

High School graduation or equivalency (official transcripts required)

Acceptance into California Baptist University

Minimum cumulative high school grade point average (GPA) of 3.0 or college/university grade point average (GPA) of 2.5 (official transcripts from all colleges and universities attended required)

A Comprehensive essay of at least 500 words that includes the following elements:

Why you want to become a Physical Therapist Assistant

Background and/or experiences related to the field

Short- and long-term professional goals, and

Reasons for choosing California Baptist University

Verification of at least 60 clinical hours in a physical therapy environment

Interview with Physical Therapist Assistant faculty and clinicians, if invited

Two letters of recommendation. One must be from a Physical Therapist or Physical Therapist Assistant clinician and one must be from an instructor, teacher, or professor

Once admitted into the program, the student must pass a criminal background check and be able to perform Technical Standards of the profession.

Traditional Major Program Requirements (56 units)

General Requirements

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- PSY 213 - General Psychology

Technical Requirements

- PTH 100 - Introduction to Physical Therapy
- PTH 110 - Medical Terminology for the Physical Therapist Assistant
- PTH 130 - Functional Kinesiology and Therapeutic Exercise
- PTH 140 - Basic Clinical Skills
- PTH 150 - Preparation for Clinical Practice
- PTH 170 - Physical Agents
- PTH 200 - Special Topics in Physical Therapy
- PTH 230 - Pathophysiology for the Physical Therapist Assistant
- PTH 240 - Advanced Clinical Skills
- PTH 260 - Orthopedics
- PTH 270 - Neurology
- PTH 280 - Professional Integration

Clinical Requirements

- PTH 255 - Clinical I
- PTH 265 - Clinical II
- PTH 275 - Clinical III

Radiologic Sciences, BS

A Bachelor of Science in Radiologic Science will prepare students for the profession of Radiologic Science and allow them to sit for their state, national, and Fluoroscopy boards.

Admission requirements for the Radiologic Science Program

Students must meet the following requirements prior to admission to the program:

High School graduation or equivalency (official transcripts required)

Acceptance into California Baptist University

A minimum 2.7 Grade Point Average (official transcripts from all colleges and universities attended required)

A Comprehensive essay of at least 500 words that includes the following elements:

Why you want to become a Radiologic Technologist

Background and/or experiences related to the field

Short- and long-term professional goals, and

Reasons for choosing California Baptist University

Verification of at least 40 hours in a radiology environment

Interview with Radiologic Science faculty and clinicians, if invited

Three letters of recommendation. One must be from a Radiology professional (Technologist or Radiologist) and one must be from an instructor, teacher, or professor

Once admitted into the program, the student must pass a criminal background check and be able to perform Technical Standards of the profession

Prerequisites

Introduction to Statistics

Anatomy and Physiology I

Anatomy and Physiology II

First Aid and Safety (OR documented CPR and AED certification)

Medical Terminology

General Physics with Lab

General Chemistry

General Biology with Lab

Traditional Major Program Requirements (61)

Students must submit an application to the Radiologic Science Program Director and be accepted to enroll in the Bachelor of Science in Radiologic Science program.

Pre-Radiologic Sciences Studies (29-30 units)

The following pre-radiologic science requisites are offered at California Baptist University:

*Requirement may be satisfied with documentation of Adult, Child, and Infant CPR with AED certification.

- BIO 146 - General Biology I with Lab
- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- BIO 173 - Medical Terminology
- CHE 102 - Fundamentals of Chemistry
- KIN 212 - First Aid and Safety *
- MAT 145 - Mathematical Methods in the Natural Sciences **OR**
- MAT 245 - Analytical Geometry and Calculus I
- PHY 214 - Physics I with Lab
- STA 144 - Introduction to Statistics

Lower Division Radiologic Science Requirements

- RAD 210 - Introduction to Radiologic Science Practice

- RAD 220 - Patient Care in Radiologic Sciences

Upper Division Radiologic Sciences Requirements

- HCA 330 - Health Information Systems
- HSC 305 - Epidemiology
- HSC 306 - Pathophysiology for Public Health
- HSC 480 - Research Methods
- RAD 320 - Principles of Imaging
- RAD 325 - Radiographic Procedures with Lab
- RAD 335 - Radiologic Procedures II with Lab
- RAD 345 - Radiologic Procedures III with Lab
- RAD 350 - Clinical Practice I
- RAD 355 - Clinical Practice II
- RAD 410 - Image Analysis
- RAD 415 - Introduction to Computed Tomography
- RAD 420 - Radiographic Medicine with Lab
- RAD 440 - Radiologic Biology and Physics
- RAD 450 - Clinical Practice III
- RAD 455 - Clinical Practice IV
- RAD 495 - Radiologic Sciences Capstone
- RAD 496 - Comprehensive Review

Department of Kinesiology

Dr. Sean Sullivan

Chair

Ms. Daphne Paramo

Department Secretary

Phone 951.343.4396

dparamo@calbaptist.edu

Faculty Information

Kinesiology focuses on the study of human movement and prepares students for career opportunities in a variety of exercise, physical activity, rehabilitation, sport, and wellness settings. CBU's Kinesiology major will provide students with knowledge, skills and competencies to work in professional fields such as athletic training, exercise, fitness, teaching, and sport management. Students receive a broad understanding of the basic and applied sciences as well as a marketable set of skills designed to enhance the health, wellness, and physical performance of the individuals they serve. This major prepares students for relevant professional certifications through the American College of Sports Medicine (ACSM) the National Strength and Conditioning Association (NSCA), and other professional organizations, as well as for further graduate study in related disciplines.

Major

Exercise Science, BS

The Exercise Science program is designed to prepare students for careers in exercise and rehabilitation, as well as graduate work in physical therapy and other Allied Health areas. The curriculum also prepares students for relevant professional certifications from the American College of Sports Medicine and the National Strength and Conditioning Association.

Traditional Major Program Requirements (65-69 units)

Lower Division Requirements

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- CHE 115 - General Chemistry I with Lab
- HSC 100 - Introduction to the Health Science Professions
- KIN 264 - Movement Anatomy
- KIN 274 - Applied Movement Anatomy
- PSY 213 - General Psychology
- STA 144 - Introduction to Statistics

Elective Requirements

Complete a minimum of four (4) courses and twelve (12) units from the following:

*Recommended Pre-Physical Therapy courses

- BIO 146 - General Biology I with Lab
- BIO 313 - Genetics
- CHE 125 - General Chemistry II with Lab *
- KIN 200 - Special Topics in Kinesiology
- KIN 304 - Introduction to Athletic Training
- KIN 312 - Emergencies in Sports Medicine
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 400 - Special Topics in Kinesiology
- KIN 490 - Principles of Conditioning Athletes
- MAT 145 - Mathematical Methods in the Natural Sciences *
- PHY 214 - Physics I with Lab *
- PHY 224 - Physics II with Lab *

Upper Division Requirements

- BIO 305 - Microbiology with Lab
- KIN 300 - Nutrition Science
- KIN 332 - Lifelong Motor Development
- KIN 383 - Exercise Physiology
- KIN 393 - Applied Exercise Physiology
- KIN 433 - Sports and Activities Practicum
- KIN 473 - Research Methods and Evaluation in Kinesiology
- KIN 480 - Fitness Assessments and Exercise Prescription
- PSY 346 - Abnormal Psychology

Kinesiology, BS

The Kinesiology major prepares students for graduate studies and careers in fitness-related industries, teaching, coaching, and health science related fields such as physical therapy, public health, and chiropractic care. The concentration in Physical Education is designed for those interested in teaching physical education. (See the Single Subject Credential section for the Professional Methods Program for Single Subject Credential Students.) The concentration in Sports Medicine is designed for those interested in pursuing athletic training or other rehabilitation-specific careers. The Sport Management concentration prepares sport professionals for a variety of management-related careers in sport, recreation, and leisure programs. The curriculum is designed to prepare students for American College of Sports Medicine and National Strength and Conditioning Association certification examinations.

Traditional Major Program Requirements (52 units)

Lower Division Requirements

* Must complete three (3) different forms of activity not including aquatics or varsity sport participation.

- BIO 153 - Anatomy and Physiology I with Lab
- HSC 100 - Introduction to the Health Science Professions
- KIN 108 - Swimming (1 unit minimum excluding varsity sport participation) **OR**

- KIN 109 - Lifesaving (1 unit minimum excluding varsity sport participation)
- KIN 106-KIN 122 Physical Activity* (3 units total)
- KIN 264 - Movement Anatomy
- KIN 274 - Applied Movement Anatomy

Upper Division Requirements

- KIN 302 - Contemporary Health Issues
- KIN 303 - Foundations of Kinesiology
- KIN 332 - Lifelong Motor Development
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 383 - Exercise Physiology
- KIN 454 - Behavioral Aspects of Sport
- KIN 473 - Research Methods and Evaluation in Kinesiology

Concentration Courses (16 units)

Students must complete all requirements in one of the following concentrations:
Physical Education; Sport Management; Sports Medicine

Physical Education

- KIN 212 - First Aid and Safety
- KIN 363 - Movement Experiences for Children
- KIN 404 - Movement Experiences for Middle School Students
- KIN 414 - Methods of Teaching Sport Activities
- KIN 423 - Organizations and Administration of Physical Education
- Three (3) additional upper division units in Kinesiology

Sport Management

- KIN 212 - First Aid and Safety
- KIN 305 - Applied Sport Management
- KIN 315 - Sport Governance
- KIN 423 - Organizations and Administration of Physical Education
- KIN 433 - Sports and Activities Practicum
- Three (3) additional upper division units in Kinesiology

Sports Medicine

- BIO 163 - Anatomy and Physiology II with Lab
- KIN 304 - Introduction to Athletic Training
- KIN 312 - Emergencies in Sports Medicine

- KIN 433 - Sports and Activities Practicum
- KIN 490 - Principles of Conditioning Athletes

Recommended Courses for students interested in further study in Physical Therapy

Students should check with specific physical therapy schools for further course requirements.

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab
- PSY 213 - General Psychology
- STA 144 - Introduction to Statistics

Minor

Coaching Minor

The Coaching minor is designed for students pursuing careers in primary or secondary education. This minor, coupled with an appropriate multiple or single subject matter specialization can provide students with opportunities for involvement in all types of organized athletics.

* Not available for Kinesiology majors.

Traditional Minor Program Requirements (26 units)

Lower Division Requirements

- BIO 153 - Anatomy and Physiology I with Lab
- KIN 212 - First Aid and Safety
- KIN 264 - Movement Anatomy

Upper Division Requirements

- KIN 301 - Sport Coaching and Officiating
- KIN 303 - Foundations of Kinesiology
- KIN 332 - Lifelong Motor Development
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 423 - Organizations and Administration of Physical Education
- KIN 433 - Sports and Activities Practicum

Kinesiology Minor

The Kinesiology minor is designed for students pursuing careers in primary or secondary education. This minor, coupled with an appropriate multiple or single subject matter specialization can provide students with opportunities for involvement in teaching physical education and/or coaching athletic teams.

Traditional Minor Program Requirements (25 units)

Lower Division Requirements

- KIN 212 - First Aid and Safety
- KIN 264 - Movement Anatomy
- KIN 274 - Applied Movement Anatomy

Upper Division Requirements

- KIN 302 - Contemporary Health Issues
- KIN 303 - Foundations of Kinesiology
- KIN 332 - Lifelong Motor Development
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 363 - Movement Experiences for Children
- KIN 404 - Movement Experiences for Middle School Students **OR**
- KIN 414 - Methods of Teaching Sport Activities

Sport Management Minor

The Sport Management minor is offered for those students who wish to work in an administrative capacity within fields such as athletics, recreation, fitness, tourism and more. Students will gain some knowledge of the Kinesiology discipline as well as basic fundamentals of business management. This is a strong undergraduate preparation for the CBU masters programs in Business or in Kinesiology with an emphasis in Sport Management.

Traditional Minor Program Requirements (25 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- KIN 212 - First Aid and Safety

Upper Division Requirements

- KIN 301 - Sport Coaching and Officiating

- KIN 303 - Foundations of Kinesiology
- KIN 423 - Organizations and Administration of Physical Education
- KIN 454 - Behavioral Aspects of Sport
- MKT 333 - Principles of Marketing

Department of Physician Assistant Studies

Dr. Allan M. Bedashi

Chair

Ms. Kiana Bjur

Department Secretary

Phone 951.552.8515

FAX 951.552.8210

kbjur@calbaptist.edu

Faculty Information

The Master of Science in Physician Assistant Studies (MSPAS) program prepares medical professionals to provide medical and patient care responsibilities, in collaboration with physicians and other health care team members within the health care system. In support of the university's mission, the program will produce students that are academically prepared, biblically rooted, globally minded and equipped to serve. Students receive training in all aspect of medical education, including classroom, laboratory and clerkship experiences. Upon completion of the program, students are prepared to take the Physician Assistant National Certification Exam (PANCE) given by the National Commission on Certification of Physician Assistants (NCCPA), and apply for state licensure to practice as a certified Physician Assistant (PA-C).

Department of Public Health Sciences

Dr. Marshare Penny

Chair

Ms. Katreena Gavril

Department Secretary

Phone 951.552.8535

kgavril@calbaptist.edu

Faculty Information

The Department of Public Health Sciences is dedicated to excellence in teaching, research, and service in the areas of Public Health, Nutrition and Food Sciences, and Health Care Administration. Our graduates will find rewarding careers serving others in the community through education, public health, healthcare administration, and a number of other health related fields. Additionally, graduates of the department are well-prepared to enter graduate school and pursue master or doctoral programs in public health, healthcare administration, nutrition sciences, and the medical professions including medicine, dentistry, and physician assistant studies. Our academic programs at both the undergraduate and graduate level prepare students to be research based, practice ready, and Christ focused.

Major

Clinical Health Science, BS

The Bachelor of Science in Clinical Health Science is designed to assist students seeking career advancement opportunities in healthcare. The program matriculates candidates holding Associate degrees in healthcare related fields into a relevant Bachelor's degree which expands the students understanding of the US healthcare and public health system. Students who have earned an Associate's degree in the following areas are eligible for entry into the program: Dental Assistant, Health Science, Medical Assistant, Nursing, Paramedic Science, Occupational Therapy Assistant, Pharmacy Technician, Physical Therapy Assistant, and Radiology Technologist. All other Associate degree majors must be reviewed and approved by the Chair of the Department of Health Sciences.

Traditional Major Program Requirements (43 units)

Lower Division Requirements

- BIO 173 - Medical Terminology
- HSC 100 - Introduction to the Health Science Professions
- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care
- STA 144 - Introduction to Statistics

Upper Division Requirements

- HCA 330 - Health Information Systems
- HCA 360 - Finance and Reimbursement in Healthcare
- HSC 300 - Health Communication
- HSC 305 - Epidemiology

- HSC 306 - Pathophysiology for Public Health
- HSC 316 - Public Health Promotion, Disease Prevention and Intervention
- HSC 420 - Health Care Policy
- HSC 480 - Research Methods
- HSC 495 - Practicum
- KIN 302 - Contemporary Health Issues

Health Science, AS

Traditional Major Program Requirements (32-33 units)

Lower Division Requirements

- HSC 100 - Introduction to the Health Science Professions
- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care
- NFS 200 - Lifecycle Nutrition
- STA 144 - Introduction to Statistics

Chemistry Requirements

Complete a two-semester sequence from the following:

- CHE 102 - Fundamentals of Chemistry
 - CHE 112 - Organic and Biochemistry for Health Sciences with Lab
- OR**
- CHE 115 - General Chemistry I with Lab
 - CHE 125 - General Chemistry II with Lab

Elective Requirements

Complete twelve (12) units from the following*:

- BIO 146 - General Biology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- BIO 173 - Medical Terminology
- BIO 205 - Human Microbiology with Lab
- CDS 101 - Introduction to Communication Disorders
- CDS 230 - Phonetics
- CDS 240 - Speech and Hearing Anatomy and Physiology
- CDS 250 - Typical and Atypical Language Development
- HSC 101 - Introduction to Public Health
- NFS 101 - Introduction to Nutrition and Food Sciences

Note

* Students should select required electives based on prerequisites for their planned field of study and career which may vary by institution and program. Recommended courses by field of study are as follows:

General Health Science

- BIO 146 - General Biology I with Lab
- BIO 173 - Medical Terminology
- HSC 101 - Introduction to Public Health

Communication Disorders

- CDS 101 - Introduction to Communication Disorders
- CDS 230 - Phonetics
- CDS 240 - Speech and Hearing Anatomy and Physiology
- CDS 250 - Typical and Atypical Language Development

Dental Hygiene

- BIO 146 - General Biology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- BIO 205 - Human Microbiology with Lab

Nutrition and Food Science

- BIO 163 - Anatomy and Physiology II with Lab
- BIO 205 - Human Microbiology with Lab
- NFS 101 - Introduction to Nutrition and Food Sciences

Health Science, BS

The Health Science Major prepares students for graduate school in a variety of medical professional studies and disciplines. In addition to the requisite science core, the Health Science major incorporates a comprehensive view of the aggregate US healthcare system to prepare future healthcare system practitioners with an understanding of how the current healthcare system works, as well as how health policy is developed and implemented.

Traditional Major Program Requirements (66-93 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- BIO 173 - Medical Terminology
- CHE 115 - General Chemistry I with Lab
- CHE 125 - General Chemistry II with Lab
- HSC 100 - Introduction to the Health Science Professions
- HSC 104 - Survey of U.S. Health Care Delivery

- HSC 210 - Ethics in Health Care
- MAT 145 - Mathematical Methods in the Natural Sciences
- PSY 213 - General Psychology
- STA 144 - Introduction to Statistics

Upper Division Requirements

- BIO 305 - Microbiology with Lab
- BIO 313 - Genetics **OR**
- BIO 330 - Cell and Molecular Biology with Lab
- HSC 305 - Epidemiology
- HSC 420 - Health Care Policy
- HSC 480 - Research Methods
- HSC 495 - Practicum **OR**
- HSC 499 - Health Science Capstone
- ICS 430 - Intercultural Communications

Concentration Courses (12-39 units)

Students must complete all requirements in one of the following concentrations: General Studies; Pre-Dental; Pre-Medicine; Pre-Pharmacy; Pre-Physician Assistant

General Studies (12 units)

Complete twelve (12) units from courses in any of the below concentrations or from the following approved health science electives.

- BIO 316 - Comparative Anatomy with Lab
- BIO 324 - Developmental Biology with Lab
- BIO 344 - Vertebrate Physiology with Lab
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 443 - Biochemistry I with Lab
- KIN 300 - Nutrition Science
- KIN 302 - Contemporary Health Issues
- KIN 332 - Lifelong Motor Development
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 383 - Exercise Physiology
- KIN 393 - Applied Exercise Physiology
- NFS 310 - Community and Public Health Nutrition
- PSY 305 - Developmental Psychology: Child

Pre-Dental (35 units)

- BIO 148 - General Biology II with Lab
- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- CDS 240 - Speech and Hearing Anatomy and Physiology
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 443 - Biochemistry I with Lab
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Pre-Medicine (28 units)

- BIO 148 - General Biology II with Lab
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 443 - Biochemistry I with Lab
- MAT 245 - Analytical Geometry and Calculus I
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Pre-Pharmacy (39 units)

- BIO 148 - General Biology II with Lab
- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- BUS 217 - Microeconomics **OR**
- BUS 218 - Macroeconomics
- CHE 351 - Organic Chemistry I with Lab
- CHE 352 - Organic Chemistry II with Lab
- CHE 443 - Biochemistry I with Lab
- MAT 245 - Analytical Geometry and Calculus I
- PHY 214 - Physics I with Lab
- PHY 224 - Physics II with Lab

Pre-Physician Assistant (23 units)

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- HSC 300 - Health Communication
- HSC 410 - Health Behavior Change

- NFS 310 - Community and Public Health Nutrition
- PSY 346 - Abnormal Psychology
- SPA 110 - Spanish for Health Care Professionals I

Healthcare Administration, BS

Through the integration of healthcare specific and business coursework, taught through a Christian worldview, the Bachelor of Science in Healthcare Administration, with a minor in Business Administration, prepares students for entry level administrative roles in all facets of the healthcare industry. Graduates are also prepared for further education in Master level programs in Business Administration, Health/Hospital Administration, and Public Health.

Traditional Major Program Requirements (48 units)

Lower Division Requirements

- BIO 173 - Medical Terminology
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- HSC 100 - Introduction to the Health Science Professions
- HSC 104 - Survey of U.S. Health Care Delivery
- STA 144 - Introduction to Statistics

Upper Division Requirements

- BUS 343 - Human Resource Management
- HCA 330 - Health Information Systems
- HCA 360 - Finance and Reimbursement in Healthcare
- HCA 410 - Quality Improvement in Healthcare
- HCA 450 - Healthcare Legal Issues and Ethics
- HCA 490 - Current Issues in Healthcare Administration
- HCA 499 - Healthcare Administration Capstone **OR**
- HSC 495 - Practicum
- HSC 300 - Health Communication
- HSC 305 - Epidemiology
- HSC 420 - Health Care Policy
- POL 451 - Executive Leadership and Management in the Public Sector

Minor Requirement

Students must declare and complete all requirements for the Business Administration Minor.

Nutrition and Food Sciences, BS

The Nutrition and Food Sciences major prepares students for careers in human nutrition, food science, food technology, and food management and processing. This program will also provide students with the necessary background to pursue advanced degrees in dietetics, public health, or food science and technology.

Traditional Major Program Requirements (66 units)

Lower Division Requirements

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- BIO 205 - Human Microbiology with Lab
- CHE 112 - Organic and Biochemistry for Health Sciences with Lab
- CHE 115 - General Chemistry I with Lab
- HSC 100 - Introduction to the Health Science Professions
- NFS 101 - Introduction to Nutrition and Food Sciences
- PSY 213 - General Psychology
- STA 144 - Introduction to Statistics

Upper Division Requirements

- HSC 410 - Health Behavior Change
- HSC 495 - Practicum **OR**
- HSC 499 - Health Science Capstone
- NFS 315 - Experimental Foods and Research Methods
- NFS 400 - Special Topics in Nutrition and Food Sciences
- NFS 420 - Quantity Food Management

Concentration Courses (21 units)

Students must complete all requirements in one of the following concentrations: Nutrition Science; Food Science and Management

Nutrition Science (21 units)

- NFS 320 - Nutritional Biochemistry
- NFS 460 - Human Nutrition Assessment Lecture
- NFS 200 - Lifecycle Nutrition
- NFS 310 - Community and Public Health Nutrition
- NFS 455 - Medical Nutrition Therapy I
- NFS 465 - Medical Nutrition Therapy II

- NFS 475 - Advanced Human Nutrition

Food Science and Management (21 units)

- BUS 463 - Business and Organizational Management
- HSC 406 - Food Safety and Consumer Protection
- MKT 333 - Principles of Marketing
- NFS 335 - Food Chemistry
- NFS 345 - Food Processing and Engineering
- NFS 355 - Food Sensory Analysis
- NFS 445 - Food Microbiology

Public Health, BS

The Public Health major prepares students to plan, implement, and evaluate health education and promotion programs in schools, communities, and internationally. The program provides a core foundation in epidemiology, environmental health, health behavior change, disease prevention, health education methods, research methods, ethics, management, and leadership. This major prepares students for relevant professional certifications through the National Commission on Health Education Credentialing (CHES) and the National Board of Public Health (CPH), and the Registered Environmental Health Specialist (REHS) as well as for further graduate study in public health, health management, social sciences, medicine, or other allied health professions.

Public Health majors that are interested in global health issues are encouraged to enroll in ALH 301 and 401, and participate in the Global Health Engagement for their HSC 495 practicum requirement.

Traditional Major Program Requirements (72-91 units)

Lower Division Requirements

- BIO 146 - General Biology I with Lab
- CHE 115 - General Chemistry I with Lab
- HSC 100 - Introduction to the Health Science Professions
- HSC 101 - Introduction to Public Health
- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care
- INH 101 - Introduction to International Health
- NFS 200 - Lifecycle Nutrition
- PSY 213 - General Psychology
- STA 144 - Introduction to Statistics

Upper Division Requirements

- HSC 305 - Epidemiology
- HSC 306 - Pathophysiology for Public Health
- HSC 312 - Environmental and Occupational Health

- HSC 316 - Public Health Promotion, Disease Prevention and Intervention
- HSC 410 - Health Behavior Change
- HSC 420 - Health Care Policy
- HSC 460 - Planning and Evaluating Health Education Programs
- HSC 480 - Research Methods
- HSC 495 - Practicum **OR**
- HSC 499 - Health Science Capstone
- INH 300 - Outbreak and Emergency Preparation and Response

Concentration Courses (12-31 units)

Students must complete all requirements in one of the following concentrations: Environmental Health; Health Education and Promotion

Environmental Health (31 units)

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 205 - Human Microbiology with Lab
- ENV 110 - Introduction to Environmental Science with Lab
- HSC 301 - Principles of Health Education
- HSC 406 - Food Safety and Consumer Protection
- HSC 415 - Water, Soil, and Air Quality Inspection and Management
- MAT 145 - Mathematical Methods in the Natural Sciences
- PHY 214 - Physics I with Lab
- POL 493 - Principles of Public Administration

Health Education and Promotion (12 units)

- HSC 300 - Health Communication
- HSC 301 - Principles of Health Education
- KIN 302 - Contemporary Health Issues
- NFS 310 - Community and Public Health Nutrition

Minor

Health Science Minor

Traditional Minor Program Requirements (22 units)

Lower Division Requirements

- BIO 173 - Medical Terminology

- HSC 100 - Introduction to the Health Science Professions
- HSC 104 - Survey of U.S. Health Care Delivery

Upper Division Requirements

- HSC 305 - Epidemiology
- HSC 306 - Pathophysiology for Public Health
- HSC 316 - Public Health Promotion, Disease Prevention and Intervention
- HSC 420 - Health Care Policy
- KIN 302 - Contemporary Health Issues

Nutrition Minor

The minor in Nutrition is available to student pursuing undergraduate degrees at California Baptist University. Students who may be interested in completing the minor include those pursuing degrees in Public Health, Health Science, Nursing, Exercise Science, and Kinesiology. The minor is intended to increase knowledge and understanding of basic nutrition, food science, and nutritional-related issues.

Traditional Minor Program Requirements (21 units)

Lower Division Requirement

- NFS 101 - Introduction to Nutrition and Food Sciences

Upper Division Elective Requirements

Complete eighteen (18) units from the following:

- HSC 410 - Health Behavior Change
- NFS 200 - Lifecycle Nutrition
- NFS 310 - Community and Public Health Nutrition
- NFS 320 - Nutritional Biochemistry
- NFS 400 - Special Topics in Nutrition and Food Sciences
- NFS 455 - Medical Nutrition Therapy I
- NFS 460 - Human Nutrition Assessment Lecture

College of Nursing

Dr. Karen Bradley

Dean

Dr. Juliann Perdue

Chair, Undergraduate Programs

Dr. Dayna Herrera

Chair, Learning Resource Center and Inter-Professional Education

Ms. Jeannette Russell

Administrative Manager

Phone 951.343.4702

FAX 951.552.8402

jrussell@calbaptist.edu

Faculty Information

The mission of the California Baptist University College of Nursing is to educate competent, responsible, caring, and professional nurses prepared from a biblical worldview to serve locally, nationally and globally; revering the human dignity of all persons created in the image of God.

The purpose of the baccalaureate program leading to a Bachelor of Science in Nursing is to provide a curriculum that will broaden the theoretical knowledge base of the learner in preparation for professional nursing practice and future graduate nursing study.

Traditional Bachelor of Science in Nursing students complete Board of Registered Nursing (BRN) approved pre-licensure courses designed to prepare the students to take the National Council Licensure Examination (NCLEX-RN), and preparing them for a seamless transition into graduate nursing. The 16 week semesters are comprised of courses scheduled in a full-time delivery mode for the theoretical and practicum content required by the BRN. Students are advised that the program represents a very intensive, full-time commitment. The BSN program is accredited by the credentialing body of the American Association of Colleges of Nursing (AACN).

The RN-BSN program is designed for working, licensed RNs to advance their educational level. The program is offered in a hybrid format.

The AACN Essentials of Baccalaureate Education in Nursing guide the BSN coursework in order to prepare graduates for the role of the baccalaureate generalist nurse including: provider of care, designer/manager/coordinator of care, and member of the nursing profession. The BSN curriculum includes both direct and indirect care for individuals, families, groups, communities, and populations.

Admission Requirements

First-time freshmen and transfer students interested in pursuing a BSN are admitted to the university as pre-nursing students, and must complete the required prerequisite courses to be considered for the nursing major. Students may be selected for admission to the nursing major each fall and spring semester. Selection is made through a holistic application review.

A 30-unit LVN option is available on a space and course availability basis. California Baptist University College of Nursing has a process in place for a student to obtain credit for previous education or other acquired knowledge in the field of nursing, including military education and experience, through equivalence, challenge examinations, or other methods of evaluation.

Acceptance to California Baptist University. Admission standards for Undergraduate Studies at California Baptist University can be found in the Admissions section of the University Catalog.

A minimum 2.7 Grade Point Average

Prerequisites. All prerequisites must be completed with a grade of C or higher

Composition

Intermediate Composition

Intermediate Algebra or Introductory Statistics

Oral Communication

Lifespan Development

Fundamentals of Chemistry

Organic and Biochemistry for Health Sciences with Lab

Human Anatomy/Physiology with Lab (2 semesters)

Human Microbiology with Lab

Nursing Program Online Application, including transcripts, two letters of recommendation, Conduct Clearance, and Release and Waiver form.

A Comprehensive essay of no more than 1000 words that includes the following elements:

How you will support the mission of California Baptist University College of Nursing

What gifts you bring to the California Baptist University College of Nursing

Significant events and influences that have affected your approach to nursing

Long-term professional goals

Pre-Admission Examination

Interview with the College of Nursing

Post-Admissions Requirements

Proof of Identification

Clearances:

Background Check Clearance

Health Clearance

Drug Testing

CPR Certification

Proof of Health Insurance

Reliable Form of Transportation with Proof of Motor Vehicle Insurance

Major

Nursing, BSN

A Bachelor of Science in Nursing will provide a curriculum that will broaden the theoretical knowledge base of the learner in preparation for an entry- level professional nursing practice and possibility of graduate nursing study.

Pre-Nursing Studies

The following pre-nursing requisites are offered at California Baptist University. It is strongly recommended that students admitted as provisional or placed on academic probation take no more than one science course during the semester.

- BIO 153 - Anatomy and Physiology I with Lab
- BIO 163 - Anatomy and Physiology II with Lab
- BIO 205 - Human Microbiology with Lab
- CHE 102 - Fundamentals of Chemistry

- CHE 112 - Organic and Biochemistry for Health Sciences with Lab
- COM 113 - Oral Communication
- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra **OR**
- STA 144 - Introduction to Statistics
- PSY 120 - Lifespan Development for the Health Professions

Traditional Degree Program Requirements (124 units)

Students must submit an application to the College of Nursing and be accepted to enroll in the Bachelor of Science in Nursing program. Coursework for credit toward the degree must be passed with a minimum grade of C or higher.

General Education Courses

The general education requirements will follow the curriculum set forth for other university degree programs. Some general education requirements will be met through specific Nursing major requirements.

Lower Division Major Requirements

- ANT 225 - Cultural Anthropology **OR**
- ANT 315 - Health and Holistic Healing
- NUR 201 - Theoretical Foundations in Nursing
- NUR 215 - Fundamental Skills for Nursing Practice
- NUR 235 - Physical Assessment
- NUR 255 - Adult Health I
- NUR 256 - Adult Health I Practicum

Upper Division Major Requirements

- NUR 301 - Communication and Informatics in Nursing Practice
- NUR 315 - Pathophysiology
- NUR 320 - Pharmacology and Nutrition
- NUR 325 - Nursing Services with the Childbearing Family
- NUR 326 - Nursing Services with the Childbearing Family Practicum
- NUR 335 - Nursing Services with the Childrearing Family
- NUR 336 - Nursing Services with Childrearing Families Practicum
- NUR 355 - Mental Health Nursing
- NUR 356 - Mental Health Nursing Practicum
- NUR 375 - Research and Writing for the Health Care Professional
- NUR 420 - Community and Public Health Nursing
- NUR 421 - Community and Public Health Nursing Practicum

- NUR 430 - Transcultural Patterns of Health
- NUR 440 - Adult Health II
- NUR 441 - Adult Health II Practicum
- NUR 450 - Nursing Services for the Older Adult and Family
- NUR 451 - Nursing Practicum with the Older Adult and Family
- NUR 460 - Ethics and Issues in Health Care
- NUR 470 - Christian Leadership in Nursing
- NUR 471 - Christian Leadership in Nursing Practicum
- NUR 494 - NCLEX Review
- NUR 499 - Senior Capstone Practicum
- PSY 345 - Abnormal Psychology for Nurses

School of Business

Dr. Andrea Scott

Dean

Dr. Tad Hove

Assistant Dean, Graduate Programs

Ms. Delores Washington

Administrative Assistant

Phone 951.343.4329

Ms. Cindie Duncan

Administrative Secretary

Phone 951.343.4504

cduncan@calbaptist.edu

Faculty Information

Our mission is to prepare a new generation of business leaders with the knowledge, real-world skills, and nurtured talents to successfully live out their purpose in the modern marketplace. We prepare our graduates to contribute to society's need for trustworthy organizational leaders who restore hope that business has a valuable role in our world. This valuable role of business is to create and supply with integrity the products and services that meet the needs of people everywhere. In this pursuit, we teach our students that personal development, profit, and economic growth are at their best when they energize the creation of value in individual lives, families, neighborhoods, communities, and thriving enterprises.

The School of Business provides a variety of programs that prepare students to be competitive in the workforce. Undergraduate majors include Accounting, Business Administration, Entrepreneurship, Finance, International Business, and Marketing. Within the Business Administration major, students have five areas of concentration: Entrepreneurship, Finance, Management, Real Estate, and Social Entrepreneurship. At the graduate level, the School of Business provides the Master of Business Administration with concentrations in Accounting, Construction Management, Healthcare Administration, and Management, and the Master of Science in Information Technology Management. These programs are all accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

The competitiveness of the School's programs is enhanced by a variety of value-added experiences. Students bridge academic concepts with real-world working experience by interning at local and global businesses. Students can enhance their skills for effective leadership in the global economy through our study abroad experience.

Graduates are employed as executives, accountants, financial managers, business owners, entrepreneurs, marketing professionals, government officials and non-profit leaders.

Major

Accounting, BS

The Accounting major prepares students for careers in public accounting, corporate accounting, managerial accounting, and government and not-for-profit accounting with curriculum that is specifically designed to prepare students for the CPA exam and accounting professions.

Traditional Major Program Requirements (72 units)

Lower Division Core Business Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- CIS 265 - Information Systems Essentials

Upper Division Core Business Requirements

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 334 - International Business
- BUS 356 - Business Communication
- BUS 358 - Business Law
- BUS 440 - Quantitative Business Analysis
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- BUS 498 - Senior Exit Exam
- MKT 333 - Principles of Marketing

Upper Division Accounting Requirements

- ACC 310 - Intermediate Accounting I
- ACC 311 - Intermediate Accounting II
- ACC 320 - Cost Accounting
- ACC 330 - Governmental and Non-profit Accounting
- ACC 410 - Advanced Accounting
- ACC 420 - Accounting Information Systems
- ACC 430 - Federal Income Tax Accounting
- ACC 470 - Auditing
- ACC 480 - Accounting Ethics **OR**
- FIN 405 - Financial Analysis and Forecasting

Business Administration, BS

The Business Administration major prepares students for leadership in small and large businesses, not-for-profit and governmental organizations, and entrepreneurial enterprises.

Traditional Major Program Requirements (60 units)

Lower Division Core Business Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 101 - Introduction to Business
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- CIS 265 - Information Systems Essentials

Upper Division Core Business Requirements

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 334 - International Business
- BUS 356 - Business Communication
- BUS 358 - Business Law
- BUS 440 - Quantitative Business Analysis
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- BUS 498 - Senior Exit Exam
- MKT 333 - Principles of Marketing

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: Entrepreneurship; Finance; Management; Real Estate Management; Social Entrepreneurship

Entrepreneurship (12 units)

- ENT 357 - Small Business Management
- ENT 442 - Opportunity and the Lean Startup
- ENT 462 - Entrepreneurial Behavior and Leadership

Entrepreneurship Elective Requirement

Complete three (3) additional units from the following:

- BUS 374 - Entrepreneurial Finance
- BUS 435 - Leadership in Organizations
- BUS 464 - Family Business Management
- BUS 489 - Business Practicum
- BUS 491 - Internship in Business
- ENT 362 - Social Entrepreneurship

Finance (12 units)

- FIN 310 - Intermediate Business Finance
- FIN 405 - Financial Analysis and Forecasting

Finance Elective Requirements

Complete six (6) additional units from the following:

- BUS 374 - Entrepreneurial Finance
- BUS 474 - International Business Finance
- FIN 325 - Financial Markets and Institutions
- FIN 415 - Investments

Management (12 units)

- BUS 343 - Human Resource Management
- ENT 357 - Small Business Management

Management Elective Requirement

Complete three (3) additional units from the following:

- BUS 435 - Leadership in Organizations
- BUS 454 - International Management
- BUS 464 - Family Business Management
- BUS 475 - Project and Team Management

Management Additional Elective Requirement

Complete three (3) additional units from the following:

- BUS 435 - Leadership in Organizations
- BUS 454 - International Management
- BUS 464 - Family Business Management
- BUS 475 - Project and Team Management
- BUS 489 - Business Practicum
- BUS 491 - Internship in Business

Real Estate Management (12 units)

- REM 301 - Real Estate Principles
- REM 336 - Real Estate Practice
- REM 406 - Real Estate Law
- REM 436 - Real Estate Finance

Social Entrepreneurship (12 units)

- BUS 363 - Microfinance
- ENT 362 - Social Entrepreneurship
- ENT 442 - Opportunity and the Lean Startup

Social Entrepreneurship Elective Requirement

Complete three (3) additional units from the following:

- BUS 489 - Business Practicum
- BUS 491 - Internship in Business
- ICS 375 - Current Events and Movements

Entrepreneurship, BS

The Entrepreneurship major prepares students not majoring in Business Administration, Marketing or Accounting for: recognizing opportunities; acting entrepreneurially; communicating ideas using foundational language, concepts, and techniques of business; leading a new entrepreneurial venture.

Traditional Major Program Requirements (42-63 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- BUS 101 - Introduction to Business
- BUS 217 - Microeconomics
- BUS 237 - Management Based on Biblical Principles
- CIS 265 - Information Systems Essentials

Upper Division Requirements

- BUS 303 - Business Finance
- BUS 334 - International Business
- BUS 358 - Business Law
- BUS 485 - Business Policy and Strategy
- BUS 498 - Senior Exit Exam
- ENT 357 - Small Business Management
- ENT 442 - Opportunity and the Lean Startup
- ENT 462 - Entrepreneurial Behavior and Leadership
- MKT 333 - Principles of Marketing

Upper Division Elective Requirement

Complete three (3) additional upper division units from the following:

- BUS 374 - Entrepreneurial Finance

- ENT 362 - Social Entrepreneurship

Concentration Courses

Students must complete all requirements for a second major, a minor, or the Business concentration:

Business (21 units)

Core Requirement

- BUS 218 - Macroeconomics
- BUS 343 - Human Resource Management
- BUS 356 - Business Communication
- BUS 464 - Family Business Management
- BUS 491 - Internship in Business (3 units) **OR**
- MKT 491 - Marketing Internship (3 units)
- MKT 353 - Integrated Marketing Communications

Elective Requirement

Complete three (3) additional units from the following:

- ACC 251 - Principles of Accounting II
- BUS 315 - Business Statistics
- BUS 463 - Business and Organizational Management

Finance, BS

The Finance major is designed for students interested in stewardship of financial resources of individuals, corporations, or financial institutions. Program equips students with requisite concept and analytical tools to evaluate and develop solutions for new financial challenges facing our society. Preparation for variety of competing opportunities whether in corporate finance, insurance, banking or pursuing the Chartered Financial Analyst or Certified Financial Planner designations.

Traditional Major Program Requirements (75 units)

Lower Division Core Business Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 101 - Introduction to Business
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics

- BUS 237 - Management Based on Biblical Principles
- CIS 265 - Information Systems Essentials
- FIN 101 - Personal Financial Management

Upper Division Core Business Requirements

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 356 - Business Communication
- BUS 358 - Business Law
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- BUS 498 - Senior Exit Exam
- MKT 333 - Principles of Marketing

Upper Division Finance Requirements

- ACC 430 - Federal Income Tax Accounting
- BUS 474 - International Business Finance
- COM 308 - Interpersonal Communications
- FIN 310 - Intermediate Business Finance
- FIN 325 - Financial Markets and Institutions
- FIN 405 - Financial Analysis and Forecasting
- FIN 415 - Investments
- FIN 425 - Retirement and Estate Planning
- FIN 430 - Risk Management

Upper Division Finance Elective Requirement

Complete three (3) units from the following:

- ACC 480 - Accounting Ethics
- REM 436 - Real Estate Finance
- FIN 491 - Internship in Finance

International Business, BS

International Business is an area of study that continues to grow as world markets become increasingly interdependent. The major prepares students for careers in international business, international non-profit work, and international missionary work. The major is designed for students who want to be successful in the global marketplace by learning to interact and respect other cultures for successful cross-cultural engagement.

Traditional Major Program Requirements (60 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 101 - Introduction to Business
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- CIS 265 - Information Systems Essentials

Upper Division Core Business Requirements

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 334 - International Business
- BUS 356 - Business Communication
- BUS 358 - Business Law
- BUS 440 - Quantitative Business Analysis
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- BUS 498 - Senior Exit Exam
- MKT 333 - Principles of Marketing

Upper Division International Business Requirements

- BUS 454 - International Management
- BUS 474 - International Business Finance **OR**
- BUS 363 - Microfinance
- ICS 430 - Intercultural Communications **OR**
- ENT 362 - Social Entrepreneurship
- MKT 444 - International Marketing

Marketing, BS

The Marketing major prepares students for careers in sales, advertising, corporate marketing and retail and merchandising. Students are encouraged to seek internship opportunities when possible.

Traditional Major Program Requirements (69 units)

Lower Division Core Business Requirements

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 101 - Introduction to Business
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles
- CIS 265 - Information Systems Essentials

Upper Division Core Business Requirements

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 334 - International Business
- BUS 356 - Business Communication
- BUS 358 - Business Law
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- BUS 498 - Senior Exit Exam
- MKT 333 - Principles of Marketing

Upper Division Marketing Requirements

- MKT 323 - Marketing Research
- MKT 353 - Integrated Marketing Communications
- MKT 458 - Consumer Behavior
- MKT 463 - Marketing Management

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: International Marketing; Marketing Management; Sales Management; Sport Marketing

International Marketing

- ICS 430 - Intercultural Communications
- LDR 450 - Culture and Leadership
- MKT 444 - International Marketing
- MKT 491 - Marketing Internship (3 units)

Marketing Management

* No more than three (3) units of MKT 491 may be applied to the concentration.

- Complete nine (9) upper division units in Marketing *

Additional Elective Requirement

Complete three (3) additional upper division units in Marketing * or one of the following:

- COM 308 - Interpersonal Communications
- ICS 430 - Intercultural Communications
- PRL 300 - Public Relations

Sales Management

- COM 308 - Interpersonal Communications
- MKT 313 - Retailing and Merchandising
- MKT 443 - Personal Selling and Sales Management
- MKT 491 - Marketing Internship (3 units)

Sport Marketing

- KIN 454 - Behavioral Aspects of Sport
- MKT 363 - Social Media and Content Marketing
- MKT 491 - Marketing Internship (3 units)
- PRL 300 - Public Relations

Minor

Business Administration Minor

Traditional Minor Program Requirements (24 units)

Lower Division Requirements

- ACC 250 - Principles of Accounting I
- BUS 101 - Introduction to Business
- BUS 237 - Management Based on Biblical Principles

Economics Requirement

Complete three (3) units from the following:

- BUS 212 - Economics, Life, and Society
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics

Upper Division Requirements

- BUS 303 - Business Finance **OR**

- ENT 357 - Small Business Management
- BUS 358 - Business Law
- BUS 463 - Business and Organizational Management
- MKT 333 - Principles of Marketing

Entrepreneurship Minor

Traditional Minor Program Requirements (21 units)

Upper Division Requirements

- ENT 357 - Small Business Management
- ENT 442 - Opportunity and the Lean Startup
- ENT 462 - Entrepreneurial Behavior and Leadership
- MKT 333 - Principles of Marketing
- MKT 443 - Personal Selling and Sales Management

Upper Division Elective Requirements

Complete six (6) additional upper division units from the following:

- BUS 359 - Intellectual Property Law
- BUS 464 - Family Business Management
- BUS 491 - Internship in Business
- ENT 362 - Social Entrepreneurship

International Business Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirements

- BUS 218 - Macroeconomics
- BUS 237 - Management Based on Biblical Principles

Upper Division Requirements

- BUS 334 - International Business
- BUS 454 - International Management
- ICS 430 - Intercultural Communications
- MKT 333 - Principles of Marketing
- MKT 444 - International Marketing

Marketing Minor

Traditional Minor Program Requirements (21 units)

Lower Division Requirement

- BUS 101 - Introduction to Business

Upper Division Requirements

- MKT 333 - Principles of Marketing
- MKT 353 - Integrated Marketing Communications
- MKT 458 - Consumer Behavior
- MKT 463 - Marketing Management

Upper Division Marketing Elective Requirements

Complete six (6) additional units from the following:

* No more than three (3) units of MKT 491 can apply to the minor

- MKT 313 - Retailing and Merchandising
- MKT 323 - Marketing Research
- MKT 363 - Social Media and Content Marketing
- MKT 443 - Personal Selling and Sales Management
- MKT 444 - International Marketing
- MKT 491 - Marketing Internship *

Real Estate Minor

Traditional Minor Program Requirements (21 units)

Upper Division Requirements

- REM 301 - Real Estate Principles
- REM 336 - Real Estate Practice
- REM 406 - Real Estate Law
- REM 436 - Real Estate Finance
- MKT 333 - Principles of Marketing
- MKT 363 - Social Media and Content Marketing
- MKT 443 - Personal Selling and Sales Management

School of Christian Ministries

Dr. Chris Morgan

Dean

Dr. Anthony Chute

Associate Dean

Ms. Maigen Turner

Administrative Secretary

Phone 951.343.4248

FAX 951.343.4436

maturner@calbaptist.edu

Faculty Information

The School of Christian Ministries equips students for careers in churches and other ministry-related organizations. The School's objective is to lead students to become biblically centered, theologically grounded, historically informed, philosophically conscious, ethically engaged, and practically equipped for the benefit of the church and the advancement of Christ's Kingdom among the nations.

The School of Christian Ministries offers the Bachelor of Applied Theology (BAT) degree, an intensively practical program designed to equip a new generation of pastoral leaders. The Bachelor of Applied Theology degree is fully directed, combining rigorous biblical and theological study with practical ministry experience.

The Bachelor of Arts in Christian Studies is a core curriculum that gives students a broad understanding of the Bible, interpretative methodologies, Christian theology, Christian history, Baptist distinctives, Christian ministry, as well as directed fieldwork. Students will also select and complete a concentration from the following:

Apologetics	Faith and Culture	Pastoral Leadership
Bible and Theology	Focus Leadership	Theology/Church History
Biblical Languages	Global Justice	Theology/Philosophy
Christian Ministry	Global Studies	Youth Ministry

The Intercultural Studies major and Global Studies minor help students to think globally as they learn about cultures and people groups, for the purpose of developing passion for the nations and strategies for reaching the world with the gospel.

The Philosophy program is designed to teach students to recognize, analyze, and engage the central issues of human existence in a historical context, emphasizing the integration of faith in academic study and Christian living.

Major

Applied Theology, BAT

The Bachelor of Applied Theology degree is an intensely practical degree that utilizes the basics of the Christian Studies degree as its foundation. It is designed for students who are centered in their desire to prepare for Christian ministry vocations. As a fully directed program, it will enable students to study with similarly minded people and will afford students opportunity for ministry involvement. Students must submit an application to the School of Christian Ministries and be accepted to enroll in the Bachelor of Applied Theology program.

Traditional Degree Program Requirements (124 units)

General Education Requirements

The program requirements will follow the curriculum set forth for other university programs. Specific coursework will be determined by the Dean of the School of Christian Ministries in consultation with the faculty of other Schools/Departments. Some general education requirements will be met through specific Applied Theology requirements.

Lower Division Requirements (23 units)

- APT 192 - Foundations for Ministry
- APT 292 - Theology of Pastoral Ministry
- APT 293 - Supervised Church Ministry Internship I
- CST 210 - Pentateuch and Former Prophets
- CST 220 - Latter Prophets and Writings
- CST 230 - Jesus and the Gospels
- CST 240 - Paul and the Early Church
- PHI 213 - Introduction to Philosophy

Biblical Language Requirements (12 units)

Complete two (2) of the following two-semester sequences:

- GRK 213 - Introduction to Koiné Greek I
- GRK 223 - Introduction to Koiné Greek II
- **OR**
- GRK 313 - Intermediate Greek
- GRK 323 - Intermediate Greek
- *OR*
- HEB 213 - Biblical Hebrew I
- HEB 223 - Biblical Hebrew II
- **OR**
- HEB 313 - Intermediate Biblical Hebrew I
- HEB 323 - Intermediate Biblical Hebrew II

Upper Division Requirements (51 units)

- APT 365 - Doctrine of the Church
- APT 371 - Christian Theology I
- APT 372 - Christian Theology II
- APT 392 - Supervised Church Ministry Internship II
- APT 393 - Supervised Church Ministry Internship III
- APT 452 - Advanced Biblical Preaching
- APT 482 - Pastoral Leadership
- APT 492 - Supervised Church Ministry Internship IV

- APT 493 - Senior Project
- CST 300 - History of Baptist Thought
- CST 350 - Biblical Interpretation
- CST 360 - Church History
- CST 412 - Special Topics in Theology
- CST 414 - Special Topics in Christian Ministry
- CST 451 - Biblical Preaching
- ICS 305 - Global Perspectives
- ICS 435 - Evangelism and Church Planting
- PHI 303 - Apologetics

Christian Studies, BA

The Christian Studies major prepares students for careers in churches and other ministry related vocations. Students select at least one concentration and are required to complete applied field experience.

Traditional Major Program Requirements (45 units)

Lower Division Requirements

Christian Studies majors should not take CST 110 and CST 130.

- CST 210 - Pentateuch and Former Prophets
- CST 220 - Latter Prophets and Writings
- CST 230 - Jesus and the Gospels
- CST 240 - Paul and the Early Church

Upper Division Requirements

- CST 300 - History of Baptist Thought
- CST 350 - Biblical Interpretation
- CST 360 - Church History
- APT 371 - Christian Theology I
- APT 372 - Christian Theology II

Upper Division Biblical Studies Requirement

Complete three (3) units of upper division Biblical Studies coursework from the following:

- CST 310 - Old Testament Exegesis
- CST 311 - New Testament Exegesis
- CST 315 - Old Testament Ethics
- CST 330 - The Gospel According to John
- CST 331 - The Parables of Jesus
- CST 410 - Special Topics in Old Testament

- CST 411 - Special Topics in New Testament
- CST 421 - Biblical History of Israel
- CST 440 - Romans
- CST 441 - The Corinthian Correspondence
- CST 442 - Revelation
- CST 450 - Old Testament Theology

Upper Division Elective Requirement

Complete three (3) additional units of upper division coursework, beyond other major or concentration requirements from the following:

- APT 352 - The Pastor as Worship Leader
- APT 365 - Doctrine of the Church
- APT 482 - Pastoral Leadership
- CST 307 - Deaf Ministry
- CST 310 - Old Testament Exegesis
- CST 311 - New Testament Exegesis
- CST 315 - Old Testament Ethics
- CST 330 - The Gospel According to John
- CST 331 - The Parables of Jesus
- CST 383 - Ministry with Youth
- CST 410 - Special Topics in Old Testament
- CST 411 - Special Topics in New Testament
- CST 421 - Biblical History of Israel
- CST 425 - Christian Social Ethics
- CST 440 - Romans
- CST 441 - The Corinthian Correspondence
- CST 442 - Revelation
- CST 450 - Old Testament Theology
- CST 451 - Biblical Preaching
- CST 490 - Supervised Ministry
- CST 491 - International Missions Practicum
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- ICS 405 - Marketplace Strategies for Global Advancement
- ICS 430 - Intercultural Communications
- ICS 435 - Evangelism and Church Planting
- PHI 303 - Apologetics
- PHI 324 - Applied Ethics
- PHI 343 - Philosophy of Religion
- PHI 353 - Comparative Religions
- PHI 433 - Apologetics: Theory and Method

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: Apologetics; Bible and Theology; Biblical Languages; Christian Ministry; Faith and Culture; Global Justice; Global Studies; Pastoral Leadership; Theology/Church History; Theology/Philosophy; Youth Ministry

Apologetics (12 units)

- PHI 303 - Apologetics **OR**
- PHI 403 - Cultural Apologetics
- PHI 343 - Philosophy of Religion
- PHI 433 - Apologetics: Theory and Method

Philosophy Elective Requirements

Complete three (3) units of additional upper division philosophy coursework from the following:

- PHI 353 - Comparative Religions
- PHI 400 - Special Studies
- PHI 421 - Twentieth-century Ethics

Bible and Theology (12 units)

- At least three (3) units of upper division biblical studies coursework
- At least three (3) units of upper division theology coursework
- Six (6) units of additional upper division biblical studies and/or theology coursework

Prerequisites for concentration:

For Old Testament coursework

- CST 210 - Pentateuch and Former Prophets
- CST 220 - Latter Prophets and Writings

For New Testament coursework

- CST 230 - Jesus and the Gospels
- CST 240 - Paul and the Early Church

For theology coursework

- APT 371 - Christian Theology I
- APT 372 - Christian Theology II

Biblical Languages (12 units)

- GRK 313 - Intermediate Greek
- GRK 323 - Intermediate Greek
- HEB 213 - Biblical Hebrew I
- HEB 223 - Biblical Hebrew II

Prerequisites to concentration:

- GRK 213 - Introduction to Koiné Greek I
- GRK 223 - Introduction to Koiné Greek II

Christian Ministry (12 units)

Complete twelve (12) units of upper division Christian Ministry coursework, including from the following:

- CST 307 - Deaf Ministry
- CST 381 - Christian Missions
- CST 383 - Ministry with Youth
- CST 414 - Special Topics in Christian Ministry
- CST 425 - Christian Social Ethics
- CST 451 - Biblical Preaching
- CST 480 - Pastoral Ministry and Leadership
- CST 484 - Current Trends in Youth Ministry
- CST 491 - International Missions Practicum
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- ICS 405 - Marketplace Strategies for Global Advancement
- ICS 415 - Special Topics in Intercultural Studies
- ICS 430 - Intercultural Communications
- ICS 431 - Cross-cultural Immersion
- ICS 435 - Evangelism and Church Planting

Faith and Culture (12 units)

Christian Studies Elective Requirements

Complete six (6) units from the following:

- CST 425 - Christian Social Ethics
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- PHI 303 - Apologetics
- PHI 320 - Epistemology
- PHI 324 - Applied Ethics
- PHI 343 - Philosophy of Religion
- PHI 353 - Comparative Religions
- PHI 420 - Readings in 20th Century Epistemology
- PHI 433 - Apologetics: Theory and Method

General Elective Requirements

Complete six (6) units from the following:

- ENG 365 - Christian Classics
- ENG 401 - Literary Theory and Criticism
- ENG 433 - Major Author
- ENG 434 - Major Christian Authors
- ENG 440 - Modern American Literature
- ENG 443 - Contemporary American Literature
- ENG 460 - Modern and Contemporary British Literature
- FLM 303 - Asian Cinema
- FLM 305 - Christianity and Film
- FLM 350 - Film and Literature
- FLM 450 - World Cinema
- HIS 305 - History of China
- HIS 315 - Latin American History
- HIS 325 - Non-Western Culture and History
- HIS 343 - Twentieth Century Europe
- HIS 353 - Renaissance and Reformation Europe
- HIS 360 - Enlightenment Europe
- HIS 430 - Cross and the Crescent
- HIS 435 - The Holocaust: Historiographic, Philosophic and Religious Perspectives
- HON 300 - Honors Seminar
- HON 350 - Honors Seminar
- HON 400 - Honors Seminar
- HON 450 - Honors Seminar
- POL 330 - Law and Literature
- POL 350 - International Relations Theory
- POL 395 - Political Economy
- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy
- POL 427 - American Political Theory
- POL 429 - Critical Political Philosophy and Postmodernism
- POL 431 - Christianity and Citizenship

Global Justice (12 units)

- CST 425 - Christian Social Ethics
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- PHI 353 - Comparative Religions

Global Studies (12 units)

- APT 365 - Doctrine of the Church
- ICS 305 - Global Perspectives
- ICS 405 - Marketplace Strategies for Global Advancement

- PHI 353 - Comparative Religions

Recommended:

- ANT 225 - Cultural Anthropology
- ANT 430 - Culture and Personality

Pastoral Leadership (12 units)

- APT 452 - Advanced Biblical Preaching
- APT 482 - Pastoral Leadership
- CST 451 - Biblical Preaching
- ICS 435 - Evangelism and Church Planting

Theology/Church History (12 units)

- Three (3) units of upper division Theology coursework
- Three (3) units of upper division Church History coursework
- Six (6) additional units of upper division Theology and/or Church History coursework

Prerequisite for concentration:

- CST 360 - Church History for Church History coursework
- CST 370 - Christian Doctrine for Theology coursework

Theology/Philosophy (12 units)

- Three (3) units of upper division Theology coursework
- Three (3) units of upper division Philosophy coursework
- Six (6) additional units of upper division Theology and/or Philosophy coursework

Prerequisite for concentration:

- CST 370 - Christian Doctrine for Theology coursework

Youth Ministry (12 units)

- APT 482 - Pastoral Leadership
- CST 383 - Ministry with Youth
- CST 451 - Biblical Preaching
- CST 484 - Current Trends in Youth Ministry

Intercultural Studies, BA

Traditional Major Program Requirements (48 units)

General Education Recommendations

* Recommended for students completing the Global Justice concentration.

- ANT 225 - Cultural Anthropology
- SCI 200 - Special Topics *
- STA 144 - Introduction to Statistics *

Lower Division Requirements

- ICS 105 - Introduction to Global Studies
- ICS 205 - Models of Discipleship

Old Testament Elective Requirements

Complete six (6) units from the following:

- CST 210 - Pentateuch and Former Prophets
- CST 220 - Latter Prophets and Writings
- CST 315 - Old Testament Ethics

New Testament Elective Requirements

Complete six (6) units from the following:

- CST 230 - Jesus and the Gospels
- CST 240 - Paul and the Early Church
- CST 411 - Special Topics in New Testament

Upper Division Requirements

International/Intercultural experience required.

- CST 370 - Christian Doctrine
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- ICS 430 - Intercultural Communications
- PHI 353 - Comparative Religions

Practicum Requirements

- ICS 495 - Field Practicum *OR*

- CST 491 - International Missions Practicum

Concentration Courses (12 units)

Students must complete all requirements in one of the following concentrations: Global Justice; Global Ministries; TESOL

Global Justice

- BUS 363 - Microfinance *OR*
- ENT 362 - Social Entrepreneurship
- CST 425 - Christian Social Ethics
- ICS 415 - Special Topics in Intercultural Studies
- POL 454 - International Organizations

Global Ministries

- CST 350 - Biblical Interpretation
- ICS 435 - Evangelism and Church Planting
- ICS 495 - Field Practicum (6 units)

TESOL

Core Requirements

- ENG 463 - Language Structure and Acquisition
- ENG 472 - Theory and Methods of TESOL

Elective Requirements

Complete six (6) upper division units from the following:

- ENG 442 - Teaching Second Language Writing
- ENG 446 - Teaching Second Language Reading
- ENG 452 - Second Language Curriculum Development and Assessment

Philosophy, BA

The Philosophy major provides students with in-depth study of Western philosophy, from classical to modern eras. Emphasis is given to the development of critical thinking and writing skills. Students are encouraged to select a complementary second major or minor.

Traditional Major Program Requirements (48 units)

Lower Division Requirements

- CST 110 - Old Testament Survey
- CST 130 - New Testament Survey
- PHI 213 - Introduction to Philosophy

Upper Division Requirements

- PHI 300 - Logic **OR**
- MAT 313 - Mathematical Proof and Structures
-
- PHI 301 - History of Western Philosophy I
- PHI 302 - History of Western Philosophy II
- PHI 303 - Apologetics
- PHI 320 - Epistemology
- PHI 323 - Ethics
- PHI 343 - Philosophy of Religion
- PHI 363 - Metaphysics
- PHI 499 - Senior Project

Twentieth Century Philosophy Elective Requirements

Complete six (6) units from the following:

- PHI 420 - Readings in 20th Century Epistemology
- PHI 421 - Twentieth-century Ethics
- PHI 422 - Twentieth-century Philosophy
- PHI 433 - Apologetics: Theory and Method
- POL 429 - Critical Political Philosophy and Postmodernism

Special Interests in Philosophy Elective Requirement

Complete three (3) units from the following:

- PHI 312 - Aesthetics
- PHI 324 - Applied Ethics
- PHI 353 - Comparative Religions
- PHI 400 - Special Studies
- PHI 403 - Cultural Apologetics

Political Philosophy Elective Requirement

Complete three (3) units from the following:

- POL 423 - Classical Political Philosophy
- POL 425 - Modern Political Philosophy

Minor

Christian Studies Minor

Students may earn a minor in Christian Studies by completing the Christian Studies core requirements.

Traditional Minor Program Requirements (18 units)

Lower Division Requirements

- CST 110 - Old Testament Survey
- CST 130 - New Testament Survey

Upper Division Requirements

- CST 350 - Biblical Interpretation
- CST 360 - Church History
- CST 370 - Christian Doctrine

Upper Division Elective Requirement

Complete three (3) additional units from the following:

- APT 352 - The Pastor as Worship Leader
- APT 365 - Doctrine of the Church
- APT 482 - Pastoral Leadership
- CST 307 - Deaf Ministry
- CST 383 - Ministry with Youth
- CST 425 - Christian Social Ethics
- CST 451 - Biblical Preaching
- CST 490 - Supervised Ministry
- CST 491 - International Missions Practicum
- ICS 305 - Global Perspectives
- ICS 375 - Current Events and Movements
- ICS 405 - Marketplace Strategies for Global Advancement
- ICS 430 - Intercultural Communications
- ICS 435 - Evangelism and Church Planting
- PHI 303 - Apologetics
- PHI 324 - Applied Ethics
- PHI 343 - Philosophy of Religion
- PHI 353 - Comparative Religions
- PHI 433 - Apologetics: Theory and Method

Global Integration Studies Minor

The Global Integration Studies minor is designed to prepare students to utilize their majors while living intentionally and missionally overseas. The core requirements provide the students with the necessary theological foundation. The discipline-specific requirements prepare the students to use their academic discipline to meet physical and spiritual needs within their communities while living in a cross-cultural context.

Traditional Minor Program Requirements (21 units)

Core Requirements

- ICS 305 - Global Perspectives
- ICS 325 - Spiritual Formations for Global Engagement
- ICS 375 - Current Events and Movements
- PHI 353 - Comparative Religions

Discipline Requirements

Complete nine (9) units from one of the following discipline sequences:

Business

- BUS 334 - International Business
- BUS 398 - Study Abroad
- BUS 454 - International Management

Global Justice

- BUS 363 - Microfinance
- ICS 431 - Cross-cultural Immersion
- POL 454 - International Organizations

Nursing

- NUR 431 - Global Service-Learning in Nursing: Core Concepts
- NUR 432 - Global Service-Learning in Nursing: Advanced Concepts
- NUR 433 - Global Service-Learning in Nursing: Immersion Practicum

Political Science

- ICS 431 - Cross-cultural Immersion
- POL 415 - World Geography
- POL 454 - International Organizations

Global Justice Minor

The Global Justice minor is designed to complement a variety of professional degrees taken by students who wish to serve in non-profit relief and development work, either domestically or internationally. The integrated curriculum will provide an introduction to the theological and theoretical foundations of social justice, the major social problems and movements, international organizations, and models of integrating their major and professional discipline with global service.

Traditional Minor Program Requirements (21 units)

Core Requirements

- BUS 218 - Macroeconomics *OR*
- BUS 363 - Microfinance *OR*
- ENT 362 - Social Entrepreneurship

- ICS 105 - Introduction to Global Studies *OR*
- ICS 305 - Global Perspectives

- ICS 375 - Current Events and Movements

Elective Requirements

Complete twelve (12) units from the following:

- CST 315 - Old Testament Ethics
- CST 425 - Christian Social Ethics
- ICS 415 - Special Topics in Intercultural Studies
- PHI 353 - Comparative Religions
- POL 454 - International Organizations

Global Studies Minor

The Global Studies minor is designed to complement a broad range of majors, and to prepare students for international ministry and cross-cultural professional opportunities. The minor includes a study abroad requirement.

Traditional Minor Program Requirements (21 units)

General Education Recommendations

- ANT 225 - Cultural Anthropology
- ANT 430 - Culture and Personality

Lower Division Requirements

- ICS 105 - Introduction to Global Studies
- ICS 205 - Models of Discipleship

Upper Division Requirements

*International/Intercultural experience required.

- ICS 305 - Global Perspectives
- ICS 405 - Marketplace Strategies for Global Advancement
- ICS 430 - Intercultural Communications
- ICS 431 - Cross-cultural Immersion *
- PHI 353 - Comparative Religions

Philosophy Minor

Traditional Minor Program Requirements (18 units)

Lower Division Requirement

- PHI 213 - Introduction to Philosophy

Upper Division Requirements

- PHI 300 - Logic **OR**
- MAT 313 - Mathematical Proof and Structures
- PHI 301 - History of Western Philosophy I
- PHI 302 - History of Western Philosophy II
- Six (6) additional units of upper division Philosophy

School of Education

Dr. Wayne Fletcher

Interim Dean

Dr. Ted Murcray

Associate Dean

Director, Faculty Development

Administrative Assistant

Phone 951.343.4448

FAX 951.343.4553

Faculty Information

The School of Education offers a full range of state approved credential programs leading to careers in elementary, secondary, special education, School Psychology, School Counseling, and Administration. The School of Education is approved by the Commission on Teacher Credentialing.

In addition to the Preliminary Multiple Subject and Single Subject Teaching Credentials, students may also seek additional credential programs and a masters degree through the School of Education. The Elementary Subject Matter Program allows candidates to complete course work in a Liberal Studies program that provides the requisite knowledge and skills to teach in a multiple subject classroom. Students seeking a Single Subject Credential are encouraged to major in the area they plan to teach. Single Subject Candidates may satisfy Subject Matter Competence by completing an approved subject matter program at the university, or by passing the appropriate state examination.

The credential programs offered by California Baptist University are state approved programs and are subject to revision at any time by state or federal law. Please contact the School of Education for more information. The university and the School of Education reserve the right to modify the teacher credentialing requirements when directed to do so by the Commission on Teacher Credentialing. The Liberal Studies major (Elementary Subject Matter Program) in the Bachelor of Arts degree program is designed for, but not limited to, students interested in preparing for the Preliminary Multiple Subject Credential Program and teaching in an elementary school.

It is the mission of the Dr. Bonnie G. Metcalf School of Education of California Baptist University, a Great Commission University, to prepare professionals of high moral character and ethical behavior to serve throughout the world.

As part of the Great Commission, the faculty and staff are dedicated to their Christian responsibility outlined in Matthew 28: 19-20:

Go ye therefore, and teach all nations...and lo, I am with you always, even unto the end of the world.

Integrated Credential Program Admission Requirements

A student who is admitted to the University is not automatically admitted to the Integrated Credential Program and must meet the following requirements:

- Demonstrate basic skills competency

 - Take the California Basic Education Skills Test (CBEST); OR

 - Demonstrate competence through an alternate route

- Demonstrate subject matter competency

 - Enrolled in an approved subject matter competency program; OR

Take the California Subject Examinations for Teachers (CSET) for the appropriate credential area
Meet U.S. Constitution requirement
Grade Point Average (GPA)
Minimum GPA of 2.75 for acceptance
Maintain a GPA of 3.0 for all methods courses while in the program
Verification of Certificate of Clearance
Three Recommendations, completed on forms provided, from professional sources who can address your potential for success. Family members and friends may not complete recommendations.
Satisfactory interview with an Education Committee faculty member
Literacy sample completed at the interview

Major

Early Childhood Studies, BA

The Early Childhood Studies major prepares students for careers working with young children and their families in a variety of settings including schools, hospitals and home environments and for graduate study in related fields.

Traditional Major Program Requirements (55 units)

Upper Division Requirements

- ECH 320 - Cognitive Development in Infancy and Early Childhood
- ECH 340 - Perceptual-Motor Development in Infancy and Early Childhood
- ECH 350 - Social and Emotional Development in Infancy and Early Childhood
- ECH 365 - Assessment of Young Children including Children with Disabilities
- ECH 370 - Spiritual Development in Young Children
- ECH 395 - Learning Environments for Young Children including Children with Disabilities
- ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities
- ECH 440 - STEM Curriculum Integrated with the Arts
- ECH 460 - Adult Supervision
- ECH 461 - Administration of Early Childhood Programs I
- ECH 462 - Administration of Early Childhood Programs II
- ECH 495 - Practicum in Early Childhood and Intervention
- ECH 498 - Early Childhood Studies Portfolio

Early Childhood Intervention Concentration Requirements

- ECH 375 - Early Intervention: Early Childhood Special Education
- ECH 385 - Theories and Models for Understanding Behavior in Young Children with Disabilities
- ECH 415 - Consultation and Collaboration in Early Childhood Intervention
- ECH 425 - Low Incidence Disabilities in Young Children
- ECH 455 - Research Seminar in Early Childhood including Early Childhood Intervention
- EDU 341 - The Exceptional Child

Leadership Studies, BA

The Leadership Studies major is designed as a complimentary second major. To earn the Leadership Studies major students must first declare a primary major program of study and complete all requirements for both majors.

Traditional Major Program Requirements (36 units)

Upper Division Requirements

- LDR 310 - Leadership Theory
- LDR 330 - Personal Leadership
- LDR 350 - Communication Principles for Leadership
- LDR 410 - Ethical and Biblical Principles for Leadership
- LDR 430 - Decision Making and Leadership
- LDR 450 - Culture and Leadership
- LDR 470 - Group and Leadership
- LDR 491 - Internship

Upper Division Elective Requirements

- Complete twelve (12) additional upper division units

Major Requirement

- Declaration of another major program as the primary major

Liberal Studies, BA

Candidates for the Preliminary Multiple Subject Credential will complete the state-approved Elementary Subject Matter Program. This program also prepares candidates for the professional teacher credential program. As a state-approved teacher preparation program, the requirements for the Elementary Subject Matter (ESM) Program are subject to revision at any time by state or federal law. Students interested in a credential should see the Integrated Credential Program in Education for admission and course requirements.

Traditional Major Program Requirements

Option 1: Elementary Subject Matter Program (94 units)

Students will complete all major requirements, which include the Elementary Subject Matter (ESM) Program requirements. Students who wish to obtain a California teaching credential must also complete the professional methods courses with fieldwork and student teaching.

Reading, Language, and Literature/Communication (18 units)

- COM 113 - Oral Communication
- ENG 123 - Intermediate Composition
- ENG 201 - Introduction to Literature
- ENG 353 - Introduction to Children's Literature
- ENG 454 - Writing in Context
- ENG 463 - Language Structure and Acquisition

History and Social Science (15 units)

- HIS 213 - History of the United States to Reconstruction
- HIS 223 - History of the United States since the Civil War
- HIS 393 - History of California
- HUM 213 - Humanities I
- HUM 223 - Humanities II

Mathematics (6 units)

- MAT 125 - Mathematical Concepts and Applications I
- MAT 127 - Mathematical Concepts and Applications II

Science (16 units)

- BIO 143 - Principles of Biology
- BIO 143L - Principles of Biology Lab
- ENV 151 - Introduction to the Geosciences
- ENV 151L - Introduction to the Geosciences Lab
- PHY 113 - Astronomy
- PHY 113L - Astronomy Lab
- PSC 133 - Survey of Physical Science
- PSC 133L - Survey of Physical Science Lab

Visual and Performing Arts (8 units)

- ART 415 - Aesthetics and the Classroom
- MUS 205 - Music Development for the Classroom Teacher
- THE 312 - Drama in the Classroom

Health and Physical Education (6 units)

- KIN 302 - Contemporary Health Issues
- KIN 363 - Movement Experiences for Children

Human Development (9 units)

- EDU 409 - Educational Psychology
- EDU 411 - Theories and Methods of Teaching Diverse Students
- PSY 213 - General Psychology

Liberal Studies (5 units)

- ETC 407 - Technology and Learning
- LBS 499 - ESM Capstone Portfolio
- LDR 305 - Leadership Seminar

Concentration (12 units minimum)

A minimum of twelve (12) units must be completed in one of the following areas: Anthropology, English, Environmental Science, European History, Global Studies, Graphic Design, Honors, Human Development and Diversity, Human Development/Early Childhood, Human Development: Lifespan, Kinesiology, Mathematics, Music, Political Science, Science in Society, Spanish, Speech, Theatre, United States History, Visual Arts, and others as approved. Three units from the major core courses may be applied to the concentration.

Option 2: Liberal Studies Major, B.A. (Non Credential Program)

The liberal studies major provides students with an opportunity to explore knowledge from departments throughout the university. Students in this major are well prepared to think broadly about a range of topics and to apply their learning in an interdisciplinary model.

Language and Literature (27 units)

* Language requirement may be met by two (2) years of high school language study with grades of B- or higher.

- CST 110 - Old Testament Survey
- CST 130 - New Testament Survey
- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- ENG 2__ - Literature (ENG 213, 223, 233, 243, 253, or 263)
- ENG - Upper Division English

- ENG 463 - Language Structure and Acquisition *OR*
- Upper Division Composition

- Language I *
- Language II (must be same language) *

Mathematics and Science (17 units)

- BIO 143 - Principles of Biology

- BIO 143L - Principles of Biology Lab
- CIS 265 - Information Systems Essentials
- MAT 115 - Intermediate Algebra or higher **OR**
- Math SATII IC score of 550 or higher **OR**
- IIC score of 450 or higher
- MAT - Math higher than MAT 115
- Lab Science other than BIO 143 and 143L

Social Science and History (27 units)

- ANT 225 - Cultural Anthropology
- BUS 218 - Macroeconomics *OR*
- POL 395 - Political Economy
- HIS 213 - History of the United States to Reconstruction
- HIS 223 - History of the United States since the Civil War
- HIS - Upper Division History
- POL 213 - American Government
- POL 415 - World Geography
- PSY 213 - General Psychology
- SOC - Sociology course (Upper Division recommended)

Humanities (12 units)

- HUM 213 - Humanities I
- HUM 223 - Humanities II
- PHI 213 - Introduction to Philosophy *OR*
- PHI 233 - Basic Reasoning
- PHI - Upper Division Philosophy

Visual and Performing Arts (8 units)

- ART - Applied Visual Arts (3.0 units)
- MUS - Applied Music (2.0 units)

Communication Arts Requirement

Complete three (3) units from one of the following COM/THE courses:

- COM 113 - Oral Communication

- THE 142 - Introduction to Theatre
- THE 312 - Drama in the Classroom
- THE 313 - Advanced Makeup
- THE 333 - Advanced Musical Theatre Dance

Health and Physical Education (6 units)

- KIN 302 - Contemporary Health Issues
- KIN 363 - Movement Experiences for Children

Professional Development (3 units)

- PSY 320 - Life-Span Development *OR*
- EDU 409 - Educational Psychology

Liberal Studies (1 unit)

- LBS 498 - Capstone Portfolio

Concentration (12 units)

Twelve (12) upper division units must be completed in one of the following areas: Anthropology, English, Environmental Science, European History, Global Studies, Graphic Design, Honors, Human Development and Diversity, Human Development/Early Childhood, Human Development: Life-Span, Kinesiology, Mathematics, Music, Political Science, Science in Society, Spanish, Speech, Theatre, United States History, Visual Arts, and others as approved. Three units from the major core courses may be applied to the concentration.

General Education (3 units)

- 3.0 units ISP/Christian Studies

Concentration Requirements for all Liberal Studies Majors

* Three (3) units from the major core courses may be applied to the concentration.

Anthropology

- ANT 225 - Cultural Anthropology *
- ANT 340 - Theory in Anthropology
- Six (6) additional upper division units in Anthropology

English

- ENG 201 - Introduction to Literature
- ENG 313 - Multicultural Literature

- ENG 413 - Shakespeare Studies
- Complete three (3) additional upper division units in English *

Environmental Science

- BIO 143 - Principles of Biology *
- BIO 302 - Ecology with Lab
- BIO 412 - Topics in Biology (3 units)
- SCI 412 - Topics Marine Science (3-4 units)

European History

Complete twelve (12) units from the following:

- HIS 333 - Nineteenth Century Europe
- HIS 343 - Twentieth Century Europe
- HIS 353 - Renaissance and Reformation Europe
- HIS 360 - Enlightenment Europe
- HIS 420 - The Classical World
- HIS 423 - Medieval Civilization

Global Studies

Complete twelve (12) units from the following:

** A maximum of three (3) units may be lower division.

- ICS 105 - Introduction to Global Studies **
- ICS 205 - Models of Discipleship **
- ICS 305 - Global Perspectives
- ICS 405 - Marketplace Strategies for Global Advancement
- ICS 430 - Intercultural Communications
- ICS 431 - Cross-cultural Immersion
- PHI 353 - Comparative Religions

Graphic Design

Complete twelve (12) units from the following:

** A maximum of three (3) units may be lower division.

- GDM 110 - Fundamental Design **
- GDM 120 - Fundamental Typography **
- GDM 130 - Fundamental Image **
- GDM 310 - Intermediate Design
- GDM 320 - Intermediate Typography
- GDM 330 - Intermediate Image
- GDM 450 - Internship in Graphic Design and Digital Media

- GDM 499 - Senior Project

Honors

- HON 100 - Honors Seminar **OR**
- HON 150 - Honors Seminar **OR**
- HON 200 - Honors Seminar **OR**
- HON 250 - Honors Seminar
- HON 300 - Honors Seminar
- HON 350 - Honors Seminar
- HON 400 - Honors Seminar

Human Development and Diversity

- ANT 225 - Cultural Anthropology *
- ANT 430 - Culture and Personality
- SOC 345 - Race and Ethnicity
- SOC 355 - Social Stratification

Human Development/Early Childhood

- ECH 320 - Cognitive Development in Infancy and Early Childhood
- ECH 340 - Perceptual-Motor Development in Infancy and Early Childhood
- ECH 350 - Social and Emotional Development in Infancy and Early Childhood
- ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities *

Human Development: Life-Span

- PSY 213 - General Psychology *
- PSY 305 - Developmental Psychology: Child
- PSY 315 - Developmental Psychology: Adolescence and Adulthood
- PSY 453 - Psychology of Learning

Kinesiology

- KIN 332 - Lifelong Motor Development
- KIN 363 - Movement Experiences for Children *
- KIN 402 - Diversity in Sport and Physical Activity
- KIN 454 - Behavioral Aspects of Sport

Mathematics

- MAT 127 - Mathematical Concepts and Applications II *

- MAT 135 - Pre-Calculus
- MAT 245 - Analytical Geometry and Calculus I
- MAT 250 - Modeling and Applications of Calculus
- MAT 313 - Mathematical Proof and Structures

Music

Prerequisites Courses

Competency in prerequisites may be demonstrated through transfer work, AP Exam or CBU placement exam.

- MUS 114 - Music Theory I
- MUS 115 - Musicianship Lab I
- MUS 124 - Music Theory II
- MUS 125 - Musicianship Lab II

Concentration Courses

- MUS 081 or MUS 082 or MUS 083 or MUS 084 or MUS 085 or MUS 086 or MUS 087 or MUS 088 - Private Instruction (3 units)
- MUS 205 - Music Development for the Classroom Teacher
- MUS 282 - Music Technology
- MUS 202 - Music in Global Cultures *
- MUS 312 - Conducting I
- MUS 405 - Introduction to Music Education

Political Science

- POL 223 - State and Local Government
- POL 390 - Congress and the Presidency
- POL 427 - American Political Theory
- POL 465 - Policy Process and Analysis

Science in Society

- PSC 133 - Survey of Physical Science *
- PSC 413 - Lab Techniques for Physical Science Teachers
- SCI 303 - Science and Faith
- SCI 401 - Science and Technology: Its Impact Upon Society

Spanish

** Replace with upper division units in Spanish for students fluent in the Spanish Language.

- SPA 213 - Intermediate Spanish I **

- SPA 223 - Intermediate Spanish II **
- SPA 315 - Oral Traditions
- Complete three (3) additional units in upper division Spanish.

Speech

** Completion of THE 133, THE 312, or THE 313 in the core major required

- COM 113 - Oral Communication *
- COM 308 - Interpersonal Communications
- COM 333 - Oral Interpretation and Readers Theatre
- THE 363 - Production Practicum: Performance

Theatre

Elective Requirement

Complete three (3) units from the following:

- THE 133 - Acting for Non-Majors *
- THE 312 - Drama in the Classroom *

Upper Division Elective Requirements

Complete nine (9) units from the following:

- THE 332 - Theatre History I
- THE 342 - Theatre History II
- THE 463 - Production Practicum: Performance
- THE 464 - Production Practicum: Technical

United States History

- HIS 213 - History of the United States to Reconstruction * **OR**
- HIS 223 - History of the United States since the Civil War
- HIS 474 - Early American Republic, 1787-1848
- HIS 476 - The Emergence of Modern America, 1865-1919
- HIS 478 - Modern America, 1920-1989

Visual Arts

- ART 283 - Painting I
- ART 383 - Painting II *OR*
- ART 300 - Advanced Art

- ART 385 - Film as Visual Art *OR*
- ART 346 - History of Modern Painting *OR*
- ART 430 - Art and the Bible
- ART 415 - Aesthetics and the Classroom

Minor

Early Childhood Studies Minor

Traditional Minor Program Requirements (24 units)

Upper Division Requirements

- ECH 320 - Cognitive Development in Infancy and Early Childhood
- ECH 340 - Perceptual-Motor Development in Infancy and Early Childhood
- ECH 350 - Social and Emotional Development in Infancy and Early Childhood
- ECH 365 - Assessment of Young Children including Children with Disabilities
- ECH 375 - Early Intervention: Early Childhood Special Education
- ECH 395 - Learning Environments for Young Children including Children with Disabilities
- ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities
- ECH 440 - STEM Curriculum Integrated with the Arts

Leadership Studies Minor

The minor equips students with the foundational knowledge and skills to effectively serve in a variety of formal and informal leadership roles. The minor is designed to enhance students' competitiveness in the labor market as a strategic complement to any major.

Traditional Minor Program Requirements (18 units)

Upper Division Requirements

- LDR 310 - Leadership Theory
- LDR 330 - Personal Leadership

Upper Division Elective Requirements

Complete twelve (12) upper division units from the following:

- LDR 350 - Communication Principles for Leadership
- LDR 410 - Ethical and Biblical Principles for Leadership
- LDR 430 - Decision Making and Leadership
- LDR 450 - Culture and Leadership

- LDR 470 - Group and Leadership

Certificate

Leadership Studies Certificate

The Leadership Studies Certificate is issued by the Office of the University Registrar upon student request and completion of the below courses.

Traditional Certificate Program Requirements (12 units)

Core Requirements

- LDR 310 - Leadership Theory
- LDR 330 - Personal Leadership

Elective Requirements

Complete six (6) additional units from the following:

- LDR 350 - Communication Principles for Leadership
- LDR 410 - Ethical and Biblical Principles for Leadership
- LDR 430 - Decision Making and Leadership
- LDR 450 - Culture and Leadership
- LDR 470 - Group and Leadership

Credential

Integrated Credential Program

Students interested in pursuing a California teaching credential may apply for the Integrated Program, which allows students to complete a bachelor's degree and a teaching credential concurrently. This program is designed for students interested in pursuing a credential to teach elementary, middle, or high school general education. Students interested in pursuing a teaching credential should contact a program advisor in the School of Education.

Integrated Credential Program Admission Requirements

A student who is admitted to the University is not automatically admitted to the Integrated Credential Program and must meet the following requirements:

Demonstrate basic skills competency

Take the California Basic Education Skills Test (CBEST); OR

Demonstrate competence through an alternate route

Demonstrate subject matter competency

Enrolled in an approved subject matter competency program; OR

Take the California Subject Examinations for Teachers (CSET) for the appropriate credential area

Meet U.S. Constitution requirement

Grade Point Average (GPA)

Minimum GPA of 2.75 for acceptance

Maintain a GPA of 3.0 for all methods courses while in the program

Verification of Certificate of Clearance

Three Recommendations, completed on forms provided, from professional sources who can address your potential for success. Family members and friends may not complete recommendations.

Satisfactory interview with an Education Committee faculty member

Literacy sample completed at the interview

Preliminary Multiple Subject Credential

Students interested in teaching elementary school should complete the requirements for the Preliminary Multiple Subject Credential. Students must demonstrate subject matter competence to complete a credential either by completing an approved subject matter program or by passing the California Subject Examinations for Teachers (CSET). Check with your advisor to find out if your major has an approved subject matter program.

* Courses marked with an asterisk are only required for students who have not completed the Elementary Subject Matter Program requirements.

Traditional Credential Program Requirements (38 units)

Foundation Course Requirements (9 units)

- EDU 409 - Educational Psychology *
- EDU 411 - Theories and Methods of Teaching Diverse Students *
- EDU 407 - Reading and Writing in the Content Areas *

Methods Course Requirements (14 units)

- EDU 405 - Teaching Math and Science
- EDU 412 - Teaching Language Arts and Social Studies
- EDU 416 - Pedagogical Approaches to Literacy Acquisition
- EDU 440 - Classroom Management and Ethics
- EDU 543 - Integrating Visual/Performing Arts and Physical Education in the Elementary Classroom *

Capstone Course (15 units)

- EDU 498 - Student Teaching and Seminar

Preliminary Single Subject Credential

Students interested in teaching middle or high school should complete the requirements for the Preliminary Single Subject Credential. Students must demonstrate subject matter competence to complete a credential either by completing an approved subject matter program or by passing the California Subject Examinations for Teachers. Check with your advisor to find out if your major has an approved subject matter program.

Traditional Credential Program Requirements (36 units)

Foundation Course Requirements (9 units)

- EDU 409 - Educational Psychology
- EDU 411 - Theories and Methods of Teaching Diverse Students
- ETC 407 - Technology and Learning

Methods Course Requirements (12 units)

- EDU 407 - Reading and Writing in the Content Areas
- EDU 490 - Subject Area Specialization
- EDU 497 - Secondary Methods
- EDU 440 - Classroom Management and Ethics

Capstone Course (15 units)

- EDU 498 - Student Teaching and Seminar

School of Music

Dr. Joseph E. Bolin

Dean

Dr. Guy Holliday

Associate Dean, Undergraduate Studies

Dr. Lance Beaumont

Associate Dean, Graduate Studies and Program Development

Ms. Johna Taylor

Administrative Assistant

Phone 951.343.4251

FAX 951.343.4570

schoolofmusic@calbaptist.edu

Faculty Information

California Baptist University offers a Bachelor of Arts in Worship Arts and Ministry and a Bachelor of Music Degree with the following majors: Composition, Instrumental Performance, Keyboard Accompanying, Music Education, Piano Performance, and Vocal Performance.

The Collinsworth School of Music at California Baptist University is committed to inspiring students to the highest standards of musical craft and personal character, preparing them for success in musical professions.

With an educational environment distinguished by vibrant, interactive teaching, a prolific performance culture (featuring over 400 concerts per year), and a strong emphasis on building personal and professional character, the School of Music at California Baptist University stands as a unique scholastic institution, dedicated to providing rigorous training in the arts to equip young musicians for successful careers as performers, composers, music educators, and worship leaders.

Furthermore, the California Baptist University School of Music believes in preparing high caliber, versatile musicians. While many institutions of higher learning center their curriculum and experiences around a limited segment of the musical sphere, California Baptist University intentionally provides hands-on training in a multitude of musical styles and genres without compromise. In addition to its comprehensive focus on Western art music, the school intentionally blends folk and jazz styles, world music, commercial music, studio and technical production, and modern and traditional church music to most effectively prepare future artists for what awaits them in the modern marketplace of professional musicians.

The School of Music is fully accredited by the National Association of School of Music (NASM) and is committed to the continued refinement of its educational opportunities as we strive to accomplish our mission of preparing the next generation of career musicians.

Major

Music for Worship Arts and Ministry, BA

The Music for Worship Arts and Ministry major is designed to prepare students for worship ministry in the highly eclectic culture of the modern evangelical church. The program is built to fully equip worship leaders/pastors to be musically excellent and stylistically versatile, proficient in pastoral and professional skills, and committed to the scriptural calling of servant leadership in the example of Christ.

Traditional Degree Program Requirements (78 units)

General Education Requirements

The general education requirements will follow the curriculum set forth for other university degree programs. Some general education requirements will be met through specific core Music requirements.

Applied Music Requirements

* Piano Proficiency Requirements and Exemptions:

Pianists who pass all 15 skills of piano proficiency may be exempt from MUS 015 and 025. Students must stay enrolled in Class Piano for Worship Arts until Piano Proficiency is completed.

** Private Instruction Requirements:

Students must stay enrolled in private instruction: voice, AND private instruction: piano OR private instruction: guitar, until Level 3 of the Worship Arts Proficiency is completed.

¹Enrollment in MUS 050 - Performance Forum is required for each semester in residence of all music majors.

- MUS 015 - Class Piano for Worship Arts I *
- MUS 017 - Class Guitar for Worship Arts I *
- MUS 025 - Class Piano for Worship Arts II *
- MUS 027 - Class Guitar for Worship Arts II *
- MUS 050 - Performance Forum ¹
- MUS 054 - The Worship Forum (4 units)
- MUS 081 OR 461 Private Instruction: Voice (6 units)**
- MUS 082 OR 462 Private Instruction: Piano (4 units)** *OR*
- MUS 088 OR 468 Private Instruction: Guitar (4 units)**
- MUS 090, 091, 092, or 094 Major Ensemble (6 units)
- MUS 454 - The Worship Forum (4 units)

Lower Division Requirements

- COM 113 - Oral Communication **OR**
- CST 451 - Biblical Preaching
- MUS 114 - Music Theory I
- MUS 115 - Musicianship Lab I
- MUS 120 - Introduction to Music Ministry
- MUS 124 - Music Theory II
- MUS 125 - Musicianship Lab II
- MUS 182 - Survey of Live AVL Technology
- MUS 202 - Music in Global Cultures
- MUS 214 - Music Theory III

- MUS 215 - Musicianship Lab III
- MUS 282 - Music Technology

Upper Division Requirements

- CBS 433 - Foundations of Pastoral Counseling
- CST 491 - International Missions Practicum
- MUS 301 - Survey of Music History
- MUS 304 - Craft of Ministry I
- MUS 312 - Conducting I
- MUS 332 - Psalms, Hymns, and Spiritual Songs
- MUS 360 - Theology, History, and Practice of Worship
- MUS 364 - Song Writing and Commercial Production
- MUS 404 - Craft of Ministry II
- MUS 434 - Creative Worship Planning
- MUS 474 - Worship Ministry Internship
- MUS 494 - Senior Recital and Project for Worship Arts

Minor Requirement

- Student must declare and complete all requirements for the Christian Studies major or minor

Music, BM

The Bachelor of Music program is a professional degree which will train musicians for work in various aspects of the field and graduate work in music. Coursework and performance requirements enable students to know, perform, and teach diverse musical styles.

Traditional Degree Program Requirements

Music Degree (124 units) BM

General Education Requirements

The general education requirements will follow the curriculum set forth for other university degree programs. Some general education requirements will be met through specific core Music requirements.

Core Applied Music Requirements

- MUS 012 - Class Piano I *
- MUS 022 - Class Piano II *
- MUS 050 - Performance Forum ¹
- MUS080-088 (8 units minimum **) ²

- MUS 090, 091, 092, 094 or 097 Major Ensemble (8 units minimum) ³
- MUS 098 - Concert Choir (4 units minimum) ⁴ **OR**
- MUS 099 - Symphony Orchestra (4 units minimum) ⁴

Note

* Enrollment in Class Piano (MUS 012 or 022) is required each semester until the piano proficiency requirements are met. An opportunity to attempt to pass the Piano Proficiency exam for first semester students will be offered during rehearsal camps. For returning students, an attempt to pass the exam or portions of the exam will be offered at the end of each semester. See Music Handbook for Piano Proficiency requirements.

** Students must complete eight (8) units of private instruction on the same instrument or voice. For Keyboard Accompanying majors, MUS 089 and 469 will meet the MUS 082 and 462 requirement.

¹ Enrollment in MUS 050 Performance Forum is required for each semester in residence of all music majors.

² Enrollment for one unit of MUS 080-089, 460-469 Private Instruction is required for each semester of residence for all music majors. A minimum of eight (8) units is required.

³ Enrollment is required in at least one Major Ensemble (MUS 090, 091, 092, 094, or 097) for full credit during each semester of enrollment at California Baptist University. A minimum of eight (8) units is required. Additional ensembles may be taken for 0-1 units with permission from the School of Music.

⁴ Enrollment in MUS 098 - Concert Choir or MUS 099 - Symphony Orchestra is required for each semester of residence for all music majors. A minimum of four (4) units is required. Offered for zero (0) units in the Fall and one (1) unit in the Spring. Instrumentalists who are not needed in Symphony Orchestra may take MUS 097 - Wind Ensemble, MUS 067 - Symphonic Band, or another approved ensemble to satisfy the requirement with permission from the Dean or Associate Dean of the Undergraduate Studies. Approval will be granted on a semester-by-semester basis.

Core Lower Division Requirements

- MUS 114 - Music Theory I
- MUS 115 - Musicianship Lab I
- MUS 124 - Music Theory II
- MUS 125 - Musicianship Lab II
- MUS 202 - Music in Global Cultures
- MUS 214 - Music Theory III
- MUS 215 - Musicianship Lab III
- MUS 224 - Music Theory IV
- MUS 225 - Musicianship Lab IV
- MUS 282 - Music Technology

Core Upper Division Requirements

- MUS 312 - Conducting I
- MUS 313 - Music History I
- MUS 323 - Music History II
- MUS 324 - Music History III

- MUS 325 - Music History IV
- MUS 360 - Theology, History, and Practice of Worship
- MUS 431 - Senior Recital and Project

Major Requirements

In addition to the general education and core Bachelor of Music degree requirements, students must complete all of the prescribed courses listed in one of the following majors: Composition, Instrumental Performance, Keyboard Accompanying, Music Education, Piano Performance, or Vocal Performance.

Composition Major (33 units) BM

Lower Division Requirements

- MUS 253 - Introduction to Music Composition
- MUS 283 - Electronic Music

Upper Division Requirements

- MUS 311 - Form and Analysis
- MUS 354 - Private Lessons in Composition (4 units)
- MUS 372 - Counterpoint
- MUS 390 - Projects in Musical Analysis
- MUS 412 - Conducting II
- MUS 414 - Interpretive Arranging
- MUS 472 - Orchestration
- Twelve (12) additional upper division electives

Instrumental Performance Major (31 units) BM

Private Instruction Requirements

Students must complete eight (8) units of private instruction in the same instrumental area.

- MUS 083 - Private Instruction: Organ
- MUS 084 - Private Instruction: Woodwinds
- MUS 085 - Private Instruction: Brass
- MUS 086 - Private Instruction: Strings
- MUS 087 - Private Instruction: Percussion
- MUS 088 - Private Instruction: Guitar
- MUS 463 - Private Instruction: Organ
- MUS 464 - Private Instruction: Woodwinds
- MUS 465 - Private Instruction: Brass
- MUS 466 - Private Instruction: Strings

- MUS 467 - Private Instruction: Percussion
- MUS 468 - Private Instruction: Guitar

Lower Division Performance Requirements

Complete six (6) units from the following:

- MUS 095 - Chamber Ensemble
- MUS 096 - Jazz Band
- MUS 097 - Wind Ensemble
- MUS 099 - Symphony Orchestra

Upper Division Requirements

- MUS 345 - Choral, Orchestral, and Band Literature
- MUS 419 - Instrumental Pedagogy
- Twelve (12) additional upper division electives

Keyboard Accompanying Major (32 units) BM

Private Instruction Requirements

Complete eight (8) units from the following:

- MUS 089 - Private Instruction: Accompanying
- MUS 469 - Private Instruction: Accompanying

Lower Division Requirements

- MUS 083 - Private Instruction: Organ
- MUS 095 - Chamber Ensemble (2 units)
- MUS 256 - Basics of Accompanying

Upper Division Requirements

- MUS 376 - Performance Styles for Accompanists
- MUS 346 - Repertoire for Accompanists
- MUS 427 - Diction for Singers I
- Twelve (12) additional upper division electives

Music Education Major (32 units) BM

Lower Division Requirement

- MUS 014 - Class Guitar

Lower Division Performance Requirements

Complete two (2) units from the following:

- MUS 093 - Chamber Singers
- MUS 095 - Chamber Ensemble
- MUS 096 - Jazz Band

Upper Division Music Education Requirements

- MUS 308 - Jazz History
- MUS 311 - Form and Analysis
- MUS 345 - Choral, Orchestral, and Band Literature
- MUS 372 - Counterpoint
- MUS 405 - Introduction to Music Education
- MUS 412 - Conducting II
- MUS 425 - Survey of Music in Other Disciplines
- MUS 440-MUS 443 Instrumental Techniques (4 units)
- MUS 444 - Vocal Techniques
- MUS 450 - Observations in Teaching Methods
- MUS 472 - Orchestration
- MUS 475 - Music in the Schools

Upper Division Requirements

Complete one (1) of the following sequences:

* For students with a Vocal/Piano emphasis

** For students with an Instrumental emphasis

- MUS 427 - Diction for Singers I *
- MUS 428 - Diction for Singers II *
- OR
- MUS 445 - Marching Band Techniques **

Piano Performance Major (31 units) BM

Private Instruction Requirements

Complete eight (8) units from the following:

- MUS 082 - Private Instruction: Piano

- MUS 462 - Private Instruction: Piano

Lower Division Requirements

- MUS 095 - Chamber Ensemble (3 units)
- MUS 256 - Basics of Accompanying

Upper Division Requirements

- MUS 334 - Piano Literature I
- MUS 335 - Piano Literature II
- MUS 418 - Piano Pedagogy
- Twelve (12) additional upper division electives

Vocal Performance Major (31 units) BM

Private Instruction Requirements

Complete eight (8) units from the following:

- MUS 081 - Private Instruction: Voice
- MUS 461 - Private Instruction: Voice

Lower Division Requirements

- MUS 093 - Chamber Singers (2 units)

Upper Division Requirements

- MUS 333 - Song Literature
- MUS 417 - Vocal Pedagogy
- MUS 423 - Vocal Repertory Lab
- MUS 427 - Diction for Singers I
- Twelve (12) additional upper division electives

Concentration Courses

Optional Concentrations for all Bachelor of Music students include Digital Arts and Worship Leadership.

Digital Arts

- MUS 384 - Survey of Recording Technology
- MUS 385 - Digital Media Ethics
- MUS 386 - Audio Engineering I

- MUS 387 - Audio Engineering II

Worship Leadership

- MUS 386 - Audio Engineering I
- MUS 370 - Worship Technology
- MUS 374 - The Programming and Practice of Worship
- MUS 471 - Worship Leadership and Performance Seminar

Subject Matter Preparation Program in Music (16-17 units)

The Single Subject Matter Preparation (SSMP) Program in Music consists of approved music courses selected to provide undergraduate students the academic background necessary to qualify them to teach music courses from kindergarten through grade twelve. To obtain a Single Subject Credential in Music the student must

Obtain an undergraduate degree.

Demonstrate subject competence in music in one of two ways: Earn a passing score on a Performing Arts examination that has been adopted by the Commission on Teacher Credentialing or complete a commission approved SSMP program. The SSMP Program from CBU is an approved CTC program.

Complete a teaching credential program.

Students interested in the Subject Matter Preparation Program should contact their Faculty Advisor in the Music Department. Students seeking a teaching credential should contact the Teacher Education Credential Program within the School of Education. (Also see the Education section for the Professional Methods Program for Single Subject Credential Students.

- MUS 311 - Form and Analysis
 - MUS 372 - Counterpoint
 - MUS 405 - Introduction to Music Education
 - MUS 440 - Instrumental Techniques for Woodwinds
 - MUS 441 - Instrumental Techniques for Brass
 - MUS 442 - Instrumental Techniques for Percussion
 - MUS 443 - Instrumental Techniques for Strings
 - MUS 472 - Orchestration
 - MUS 475 - Music in the Schools
 - MUS 444 - Vocal Techniques *
- *Required for instrumentalists in the Subject Matter Preparation Program in Music

Minor

Music Minor

Traditional Minor Program Requirements (24 units)

Performance Forum Requirement (0 units)

- MUS 050 - Performance Forum (4 semesters)

Lower Division Requirements (12 units)

- MUS 080-088 Private Instruction (2 units)
- MUS 090, 091, 092, 094 or 097 Major Ensemble (4 units)
- MUS 114 - Music Theory I
- MUS 115 - Musicianship Lab I
- MUS 282 - Music Technology

Upper Division Requirements (5 units)

- MUS 301 - Survey of Music History
- MUS 460-468 Private Instruction (2 units)

Upper Division Electives (7 units)

Complete seven (7) units from the following:

- MUS 308 - Jazz History
- MUS 316 - Musical Theatre Production
- MUS 332 - Psalms, Hymns, and Spiritual Songs
- MUS 360 - Theology, History, and Practice of Worship
- MUS 364 - Song Writing and Commercial Production
- MUS 434 - Creative Worship Planning
- MUS 460-468 Private Instruction (1-2 units)

Worship Arts and Ministry Minor

This minor is designed to equip future worship leaders with musical, presentational, technical, organizational, and pastoral skills essential for the facilitation of worship ministry in the modern evangelical church.

Traditional Minor Program Requirements (23 units)

Applied Music Requirements (4 units)

- MUS 081 - Private Instruction: Voice (1 unit)
- MUS 461 - Private Instruction: Voice (1 unit)
- MUS 054 - The Worship Forum (1 unit)
- MUS 454 - The Worship Forum (1 unit)

Two-Semester Sequence Applied Music Requirement (2 units)

Complete a two-semester sequence from the following:

- MUS 082 - Private Instruction: Piano (1 unit)

- MUS 462 - Private Instruction: Piano (1 unit)
- OR**
- MUS 088 - Private Instruction: Guitar (1 unit)
 - MUS 468 - Private Instruction: Guitar (1 unit)

Lower Division Requirements (8 units)

- MUS 114 - Music Theory I
- MUS 115 - Musicianship Lab I
- MUS 120 - Introduction to Music Ministry
- MUS 182 - Survey of Live AVL Technology

Upper Division Requirements (6 units)

- MUS 304 - Craft of Ministry I
- MUS 360 - Theology, History, and Practice of Worship

Christian Studies Requirement (3 units)

Complete three (3) units from the following:

- CST 350 - Biblical Interpretation
- CST 360 - Church History
- CST 370 - Christian Doctrine

University Programs

Honors Program

The California Baptist University Honors Program offers students a unique and excellent academic experience. In a series of special seminars totaling 18 units of academic credit, Honors Program students encounter the seminal, powerful ideas and perspectives that shape our culture and our world. Thematically linked, these seminars emphasize a close reading and thorough discussion of classic texts, and are interdisciplinary, integrative, and holistic in vision. Ultimately, the program has been designed to assist students in developing an intellectually informed Christian world view. Class enrollment is purposely restricted to provide individual attention to the Honors Program student members.

A student should seek admission to the CBU Honors Program during the freshman year or first semester of the sophomore year by filing an Honors Program Application and writing sample with the Dean of the College of Arts and Sciences. Admission to the Program requires application separate from regular CBU admission application.

The Honors Program admission committee will review the student's overall academic record for predictors of success in this intensive seminar series. The committee will approve students who write a strong essay and have either have an SAT score of 1290 (ACT 27 or higher) and a cumulative grade point average of 3.5 or higher. The committee may consider students with a test score above 1230 or cumulative grade point average of 3.2, and may request a personal interview as part of the decision process.

Satisfactory completion of the Honors Program requires (for four-year students) satisfactory completion of 18 units of Honors Program seminars while maintaining an overall academic GPA of at least 3.5. Transfer students coming to CBU with 60 or more semester units of college credit need only complete 14 units of Honors Program seminars, with at least a 3.5 overall GPA.

Students who satisfactorily complete the Honors Program are entitled to claim this distinction on their résumés. Their achievement will be recorded on their official CBU transcript and diploma, and will be acknowledged in the Commencement program and ceremony.

For more information contact the College of Arts and Sciences at 951.343.4363, or e-mail honors@calbaptist.edu.

Reserve Officer Training Corps (ROTC) Program

California Baptist University offers a Military Science and Leadership Army Reserve Officer Training Corps (ROTC) program on campus and an Airforce ROTC program through concurrent enrollment at California State University, San Bernardino. For more information about the Military Science and Leadership Army ROTC Program contact the Assistant Professor of Military Science at 951.343.4773 or e-mail ROTC@calbaptist.edu. For more information about the Airforce ROTC program contact the CSUSB Aerospace Studies Department at 909.880.5440. Students interested in concurrent enrollment should contact the Office of the University Registrar at CBU.

Single Subject Matter Competency Programs

California Baptist University offers a selection of subject matter competency programs for those who wish to pursue teaching credentials in single subject areas. Students planning to teach in California will need to demonstrate subject matter competency either by successfully completing the state approved subject matter program or by passing the California Subject Examination for Teachers (CSET). *Note: state regulations concerning test requirements are subject to change and supersede CBU catalog information.

For information on approved and pending subject matter competency programs, please see the following faculty for guidance:

English

Math

Music

Science

Social Science

Spanish

University Program

Air Force ROTC Program

The Air Force Reserve Officer Training Corps (AFROTC) at California State University, San Bernardino is a program designed to commission college students as second lieutenants in the active duty Air Force. Students are required to graduate with a bachelor's degree, in any academic major, and complete one of the two program options.

Program Requirements are provided from the California State University, San Bernardino University Catalog. Student will be required to complete the requirements set forth by CSUSB for program completion.

Traditional University Program Requirements

Option 1: Four Year Program (24 units)

The four year program is available to students with three to four years of undergraduate/graduate study remaining. Entry into the program requires university course enrollment and consultation with the AFROTC admissions officer in the Aerospace Studies Department at California State University, San Bernardino. The program consists of three parts: General Military Course (academics and laboratory), Field Training, and the Professional Officer Course (academics and laboratory).

General Military Courses (GMC)

- AIR 090 - Leadership Laboratory (required every term)
- AIR 101 - The Air Force Today I
- AIR 102 - The Air Force Today II
- AIR 103 - The Air Force Today III
- AIR 201 - The Development of Air Power I
- AIR 202 - The Development of Air Power II
- AIR 203 - The Development of Air Power III

Field Training

A four-week, non-credit course conducted at an Air Force base during the summer between the second and third years of the program. Successful completion is required before continuing in the program.

Professional Officer Courses (POC)

- AIR 090 - Leadership Laboratory
- AIR 301 - Air Force Leadership and Management I
- AIR 302 - Air Force Leadership and Management II
- AIR 303 - Air Force Leadership and Management III
- AIR 401 - National Security Forces in Contemporary American Society I
- AIR 402 - National Security Forces in Contemporary American Society II
- AIR 403 - National Security Forces in Contemporary American Society III

Option 2: Two Year Program (18 units)

Application for the two year program is made in the fall and winter quarters at CSUSB for Field Training attendance during the summer, and prior to entry into the POC. Field Training selection is based on number of highly competitive criteria. For an application and selection criteria contact the Aerospace Studies Department at CSUSB. The two year program is available to students with two years of undergraduate/graduate study remaining. The program consists of two parts: Field Training and the Professional Officer Course (academics and laboratory).

Field Training

Prerequisite for entry in the two year program. A five week, non-credit course conducted at an Air Force base during the summer before entry into the Professional Officer Course. Successful completion is required before continuing in the program.

Professional Officer Courses (POC)

- AIR 090 - Leadership Laboratory (required every term)
- AIR 301 - Air Force Leadership and Management I
- AIR 302 - Air Force Leadership and Management II
- AIR 303 - Air Force Leadership and Management III
- AIR 401 - National Security Forces in Contemporary American Society I
- AIR 402 - National Security Forces in Contemporary American Society II
- AIR 403 - National Security Forces in Contemporary American Society III

Honors Program

The University Honors Program offers students from all major areas of study the opportunity to participate in rigorous study through 18 units of intensive seminars. These seminars, interdisciplinary in nature and incorporating serious consideration of the implications of Christian worldview, require diligent reading of primary sources and writing of original essays. Taught by leading faculty from across the university, these seminars lead students in careful study of and reflection on important themes in (primarily) Western Civilization that are key to understanding contemporary culture. [See full program description in the Colleges, Schools, and University Programs section.]

Traditional Honors Program Requirements (18 units)

Lower Division Requirements

*Transfer students who matriculate with junior status and are accepted into the honors program may be eligible to complete HON 399 to fulfill lower division requirements.

Complete ten (10) units from the following:

- HON 100 - Honors Seminar
- HON 102 - Honors Seminar
- HON 150 - Honors Seminar
- HON 152 - Honors Seminar
- HON 200 - Honors Seminar
- HON 250 - Honors Seminar

Upper Division Requirements

Complete at least eight (8) units at the upper division level from the following:

- HON 300 - Honors Seminar
- HON 350 - Honors Seminar
- HON 352 - Honors Seminar
- HON 400 - Honors Seminar
- HON 402 - Honors Seminar
- HON 450 - Honors Seminar
- HON 452 - Honors Seminar

Intensive English Program

The Intensive English Program (IEP) is a full-time, pre-academic program which facilitates early entrance into CBU by offering four levels of study.

Traditional University Program Requirements

Level 1

- ESL 007 - English Foundations **OR**
- ESL 008 - Pronunciation I **OR**
- GST 010 - Lifeline
- ESL 010 - Reading and Academic Vocabulary I
- ESL 011 - Writing and Grammar I
- ESL 012 - Listening and Speaking I
- ESL 014 - Life Skills

Level 2

- ESL 009 - Pronunciation II **OR**
- GST 010 - Lifeline

- ESL 030 - Reading and Academic Vocabulary II
- ESL 031 - Writing with Grammar II
- ESL 032 - Listening and Speaking II
- ESL 034 - American Historical and Cultural Events

Level 3

- ESL 050 - Reading and Academic Vocabulary III
- ESL 051 - Writing and Grammar III
- ESL 052 - Listening and Speaking III
- ESL 053 - Professional English I *OR*
- GST 010 - Lifeline
- ESL 054 - Preparation for University Success

Level 4

- ESL 070 - Reading and Academic Vocabulary IV
- ESL 071 - Writing and Grammar IV
- ESL 072 - Listening and Speaking IV
- ESL 073 - Introduction to Academic Research *OR*
- GST 010 - Lifeline
- ESL 074 - Academic Presentation Skills

Military Science and Leadership Army ROTC Program

The Military Science and Leadership program is designed to provide an on-campus program for qualified students in all academic majors who desire to serve as an Army officer on active duty or in a local Army Reserve or Guard unit. While students may participate in either undergraduate or graduate studies, the program requires at least two years to complete. Students who have completed at least basic training in any of the armed services may be eligible to enter the advanced course directly. Other students must complete three to six of the courses in the basic course of study or complete a thirty-day Leader's Training Course (LTC) prior to entering the advanced course. All contracted ROTC students are required to participate in an off-campus leadership laboratory one weekend each semester. Scholarships are available on a competitive basis. All ROTC students receive \$400-500 per month during the final two years of the program. For more information contact the CBU Military Science Office at (951) 343-4773; Lancer Arms North #37 or visit www.calbaptist.edu/armyrotc.

Option I: Four Year Program (29 units)

Basic Course of Study (6 units)

- MSL 101 - Introduction to the Army and Critical Thinking

- MSL 102 - Introduction to the Profession of Arms
- MSL 201 - Leadership and Decision Making
- MSL 202 - Army Doctrine and Team Development

Advanced Course of Study (12 units)

Complete twelve (12) units from the following:

*A maximum of six (6) units may be applied from MSL 399.

- MSL 301 - Training Management and the Warfighting Functions
- MSL 302 - Applied Leadership in Small Unit Operations
- MSL 399 - Independent Study *
- MSL 401 - The Army Officer
- MSL 402 - Company Grade Leadership

Leadership Laboratory (8 units)

Students must be enrolled in the following course each semester they are enrolled in the ROTC Program for a total of eight (8) units:

Note: A twenty nine-days advanced camp is required between the final two years of study.

- MSL 100 - Leadership Laboratory

Additional Requirements (3 units)

In addition to the ROTC curriculum, cadets must complete the following type course in order to ensure they have an understanding of skills, values, and knowledge beyond the military skills taught by the military science staff and the ROTC curriculum. These classes do not substitute for any military science classes and are in addition to the required classes for ROTC cadets.

Military History

Other classes may be substituted for that listed above upon approval of the military science staff.

- MSL 451 - Seminar in Military History

Option II: Two Year Program (21 units)

Basic Course Equivalent (2 units)

- MSL 260 - ROTC Basic Camp

Advanced Course of Study (12 units)

Complete twelve (12) units from the following:

- MSL 301 - Training Management and the Warfighting Functions
- MSL 302 - Applied Leadership in Small Unit Operations

- MSL 401 - The Army Officer
- MSL 402 - Company Grade Leadership

Leadership Laboratory (4 units)

Students must be enrolled in the following course each semester they are enrolled in the ROTC program for a total of four (4) units.

Note: A twenty nine-days advanced camp is required between the final two years of study.

- MSL 100 - Leadership Laboratory

Additional Requirements (3 units)

In addition to the ROTC curriculum, cadets must complete the following type course in order to ensure they have an understanding of skills, values, and knowledge beyond the military skills taught by the military science staff and the ROTC curriculum. These classes do not substitute for any military science classes and are in addition to the required classes for ROTC cadets.

Military History

Other classes may be substituted for that listed above upon approval of the military science staff.

- MSL 451 - Seminar in Military History

Division of Online and Professional Studies

Vice President for Online and Professional Studies

Ms. Teresa Sheets

Administrative Assistant

Phone 951.343.3902

FAX 951.358.1181

tsheets@calbaptist.edu

Online and Professional Studies Division Contact Personnel

Dr. Dirk Davis

Associate Vice President of Academics

951.343.3905

ddavis@calbaptist.edu

Dr. Tran Hong

Associate Vice President of Technology

951.343.3907

thong@calbaptist.edu

Dr. Kathryn Norwood

Dean of Assessment and Accreditation

951.343.2190

knorwood@calbaptist.edu

Dr. Riste Simnjanovski

Dean of Faculty Development

951.343.3968

rsimnjan@calbaptist.edu

Dr. Stephen Brown

Associate Dean of Student Development

951.343.3933

stbrown@calbaptist.edu

Dr. Robert Shields

Assistant Dean of Curriculum Development

951.343.2175

rshields@calbaptist.edu

Ms. Grace Brown

Director of Advising and Retention

951.343.5575

gbrown@calbaptist.edu

Mr. Merritt Robinson

Dean of Enrollment Services

951.343.3912

merobinson@calbaptist.edu

Ms. Erin Guerrero

Senior Director of Marketing and

Program Development

951.343.3925

eguerrero@calbaptist.edu

Mr. Rich Simpson

Online and Professional Studies Registrar

951.343.5568

rsimpson@calbaptist.edu

Online and Professional Studies

Dirk Davis

Associate Vice President of Academics

Ms. Debbie Cram

Administrative Assistant

Phone 951.343.3932

Fax 951.343.3953

dcram@calbaptist.edu

Faculty Information

Departments

Arts and Sciences	Cammy Purper, Ph.D. (Interim Chair)
Behavioral Sciences	Yvonne Thai, Ph.D.
Business	Kenneth Minesinger, J.D.
Education	Cammy Purper, Ph.D.
Health Science	Dominick Sturz, Dr.P.H.
History and Government	Beth Groves, M.P.A.

The Division of Online and Professional Studies was established for the specific purpose of serving the needs of an increasing number of adults and non-traditional students seeking higher education. Online and Professional Studies (OPS) develops degree programs in fully-online and hybrid formats at both the undergraduate and graduate levels. All programs incorporate a Christian perspective, and a year-round semester system speeds students toward graduation. Approximately twenty undergraduate majors are available.

The Online and Professional Studies faculty recommends students complete at least 49 units of study (preferably the types of courses required for general education) before entering upper division major courses. Students are required to complete at least 30 units, including 6 units of English composition (ENG 113, ENG 123), before starting the major.

Essentials for Online and Professional Studies

The Essentials for Online and Professional Studies (GST 101) course is designed to assist new students with the transition to university coursework and online studies. Enrollment is required of all new Online and Professional Studies students. Students enroll for GST 101 - Essentials for Online and Professional Studies during the first semester at CBU and will be continuously enrolled until a passing grade is earned. The course provides a well-rounded introduction to California Baptist University resources, the Division of Online and Professional Studies and the online learning experience.

Online and Professional Studies Requirements

Program requirements include coursework to complete the designated major and the Christian Studies general education requirement. To complete a degree students must complete all major, general education and overall degree requirements.

Major

Nursing, RN-BSN (Online)

The College of Nursing is responsible for the oversight of the RN-BSN degree program curriculum. *Some general education requirements will be met through specific nursing major requirements.

Online Major Program Requirements (124 units)

Prerequisite to Program

- Current United States Registered Nursing License

Upper Division Requirements (30 units)

* Meet General Education Requirements

- NUR 300 - Theoretical Foundations and Interprofessional Communication (Communication and Fine Arts) *
- NUR 301 - Communication and Informatics in Nursing Practice (Technology) *
- NUR 315 - Pathophysiology
- NUR 327 - Health Assessment and Promotion
- NUR 375 - Research and Writing for the Health Care Professional (Humanities) *
- NUR 420 - Community and Public Health Nursing (Humanities) *
- NUR 421 - Community and Public Health Nursing Practicum
- NUR 460 - Ethics and Issues in Health Care (Philosophy) *
- NUR 470 - Christian Leadership in Nursing (Biblical and Theological) *
- NUR 471 - Christian Leadership in Nursing Practicum

Elective Requirements (6 units)

Complete six (6) units from the following:

- NUR 215 - Fundamental Skills for Nursing Practice
- NUR 235 - Physical Assessment
- NUR 255 - Adult Health I
- NUR 256 - Adult Health I Practicum
- NUR 325 - Nursing Services with the Childbearing Family
- NUR 326 - Nursing Services with the Childbearing Family Practicum
- NUR 335 - Nursing Services with the Childrearing Family
- NUR 336 - Nursing Services with Childrearing Families Practicum
- NUR 355 - Mental Health Nursing
- NUR 356 - Mental Health Nursing Practicum
- NUR 494 - NCLEX Review

Department of Arts and Sciences (Online)

Dr. Cammy Purper

Interim Chair

Faculty Information

Major

Christian Ministries, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (15 units)

- CST 210 - Pentateuch and Former Prophets
- CST 220 - Latter Prophets and Writings
- CST 230 - Jesus and the Gospels
- CST 240 - Paul and the Early Church
- PHI 213 - Introduction to Philosophy

Upper Division Requirements (33 units)

- APT 371 - Christian Theology I
- APT 372 - Christian Theology II
- APT 482 - Pastoral Leadership
- CST 300 - History of Baptist Thought
- CST 350 - Biblical Interpretation
- CST 360 - Church History
- CST 381 - Christian Missions
- CST 425 - Christian Social Ethics
- CST 451 - Biblical Preaching
- CST 460 - Biblical Theology
- CST 480 - Pastoral Ministry and Leadership

Communication Studies, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (9 units)

- JRN 150 - Media and Society
- JRN 170 - Writing for Mass Media
- COM 113 - Oral Communication

Upper Division Requirements (33 units)

- COM 306 - Small Group Communication
- COM 308 - Interpersonal Communications
- COM 340 - Rhetoric and Persuasion
- COM 403 - Communication Theory
- COM 405 - Rhetorical Criticism
- COM 420 - Global Digital Engagement
- COM 425 - Organizational Communication
- COM 430 - Communication Research and Methods
- JRN 320 - Media Law, Ethics and Copyright
- LDR 350 - Communication Principles for Leadership
- PRL 300 - Public Relations

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

English, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (12 units)

- ENG 201 - Introduction to Literature

- ENG 213 - Survey of British Literature I **OR**
- ENG 223 - Survey of British Literature II
- ENG 233 - Survey of American Literature I **OR**
- ENG 243 - Survey of American Literature II
- ENG 273 - Introduction to Creative Writing

Upper Division Requirements (30 units)

- ENG 303 - Topics in World Literature
- ENG 313 - Multicultural Literature
- ENG 343 - Eighteenth and Nineteenth Century British Literature
- ENG 350 - Research and Writing in Literature and Language
- ENG 353 - Introduction to Children's Literature **OR**
- ENG 360 - Detective Fiction **OR**
- ENG 363 - Introduction to Young Adult Literature **OR**
- ENG 434 - Major Christian Authors
- ENG 401 - Literary Theory and Criticism
- ENG 413 - Shakespeare Studies
- ENG 440 - Modern American Literature
- ENG 463 - Language Structure and Acquisition
- ENG 499 - Capstone Project

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Graphic Design and Digital Media, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ART 204 - Drawing I
- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (12 units)

- GDM 110 - Fundamental Design

- GDM 120 - Fundamental Typography
- GDM 130 - Fundamental Image
- GDM 140 - Fundamental Web

Upper Division Requirements (30 units)

- GDM 305 - History of Graphic Design
- GDM 310 - Intermediate Design
- GDM 320 - Intermediate Typography
- GDM 330 - Intermediate Image
- GDM 340 - Intermediate Web
- GDM 410 - Advanced Design
- GDM 420 - Advanced Typography
- GDM 430 - Advanced Image
- GDM 440 - Advanced Web
- GDM 499 - Senior Project

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Public Relations, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- COM 113 - Oral Communication

Lower Division Requirements (6 units)

- JRN 170 - Writing for Mass Media
- PRL 205 - Historical and Theoretical Foundations of Public Relations

Upper Division Requirements (36 units)

- COM 420 - Global Digital Engagement
- COM 425 - Organizational Communication
- JRN 320 - Media Law, Ethics and Copyright
- JRN 349 - Editing for Print and Online Media

- JRN 350 - Magazine Writing
- JRN 371 - Applied Journalism Production
- JRN 420 - Public Relations Writing, Campaigns, and Strategies
- MKT 333 - Principles of Marketing
- PRL 300 - Public Relations
- PRL 310 - Public Relations Issues and Crisis Management
- PRL 320 - Business Literacy for Public Relations Professionals
- PRL 430 - Principles of International Public Relations

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Department of Behavioral Sciences (Online)

Dr. Yvonne Thai

Chair

Faculty Information

Major

Human Services, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program (9 units)

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- SOC 213 - Introduction to Sociology

Lower Division Requirements (12 units)

- BEH 250 - Reading and Writing in the Behavioral Sciences
- BEH 290 - Introduction to Research Methods
- HMS 100 - Introduction to Human Services
- HMS 213 - Theories of Human Services

Upper Division Requirements (30 units)

- BUS 463 - Business and Organizational Management
- COM 308 - Interpersonal Communications
- HMS 310 - Diversity and Social Justice
- HMS 320 - Ethics and Legal Implications of Human Services
- HMS 330 - Context of Human Social Behavior
- HMS 340 - Case Management and Assessment in Human Services

- HMS 415 - Family Violence and Mandated Reporting **OR**
- HMS 425 - Practice Experience in Human Services I

- HMS 495 - Human Services Capstone Project
- SOC 323 - Marriage and the Family

- SOC 335 - Social Problems **OR**
- HMS 435 - Practice Experience in Human Services II

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Psychology, BA (Online)

Online Major Program Requirements (47 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra
- PSY 213 - General Psychology

Methodology Requirements (17 units)

- BEH 250 - Reading and Writing in the Behavioral Sciences
- BEH 290 - Introduction to Research Methods
- BEH 333 - Epistemology and Worldview
- BEH 350 - Statistics for the Behavioral Sciences
- BEH 391 - Intermediate Statistics with Computer Applications

Upper Division Requirements (24 units)

- PSY 301 - History and Systems of Psychology
- PSY 320 - Life-Span Development
- PSY 322 - Theories of Personality
- PSY 325 - Tests and Measurements
- PSY 328 - Cognitive Psychology
- PSY 346 - Abnormal Psychology
- PSY 422 - Theories of Counseling
- PSY 473 - Psychophysiology

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Sociology, BA (Online)

Online Major Program Requirements (50 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra **OR**
- STA 144 - Introduction to Statistics
- SOC 213 - Introduction to Sociology

Methodology Requirements (17 units)

- BEH 250 - Reading and Writing in the Behavioral Sciences
- BEH 290 - Introduction to Research Methods
- BEH 333 - Epistemology and Worldview
- BEH 350 - Statistics for the Behavioral Sciences
- BEH 391 - Intermediate Statistics with Computer Applications

Upper Division Requirements (27 units)

- SOC 301 - Self and Society
- SOC 323 - Marriage and the Family
- SOC 335 - Social Problems
- SOC 337 - Deviant Behavior
- SOC 338 - Group Dynamics and Social Movements
- SOC 345 - Race and Ethnicity
- SOC 347 - Sociology of Gender
- SOC 352 - Sociology of Health and Illness
- SOC 381 - Social Theory

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Department of Business (Online)

Dr. Kenneth Minesinger

Chair

Faculty Information

Major

Accounting, BS (Online)

Online Major Program Requirements (69 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirements (15 units)

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 217 - Microeconomics
- BUS 218 - Macroeconomics
- CIS 270 - Business IT Application

Upper Division Business Requirements (27 units)

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 334 - International Business
- BUS 337 - Management with Biblical Foundation (meets Upper Division CST requirement)
- BUS 358 - Business Law
- BUS 440 - Quantitative Business Analysis
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- MKT 333 - Principles of Marketing

Upper Division Accounting Requirements (24 units)

- ACC 310 - Intermediate Accounting I
- ACC 311 - Intermediate Accounting II
- ACC 320 - Cost Accounting

- ACC 330 - Governmental and Non-profit Accounting
- ACC 410 - Advanced Accounting
- ACC 420 - Accounting Information Systems
- ACC 430 - Federal Income Tax Accounting
- ACC 470 - Auditing

Additional Program Courses (3 units)

- CST 100 - Overview of the Bible

Business Administration, BA (Online)

Traditional Major Program Requirements (48 units)

Prerequisites to Program

- BUS 218 - Macroeconomics
- CIS 270 - Business IT Application
- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirements (12 units)

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 217 - Microeconomics

Upper Division Requirements (24 units)

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 337 - Management with Biblical Foundation (meets Upper Division CST requirement)
- BUS 358 - Business Law
- BUS 440 - Quantitative Business Analysis
- BUS 463 - Business and Organizational Management
- BUS 485 - Business Policy and Strategy
- MKT 333 - Principles of Marketing

Concentration Courses (12 units)

Students must complete one of the following concentrations: Logistics and Operations; Management.

Logistics and Operations

- BUS 341 - Operations Management
- BUS 352 - Global Supply Chain Management
- BUS 452 - Logistics Planning and Controlling
- BUS 475 - Project and Team Management

Management

- BUS 334 - International Business
- BUS 343 - Human Resource Management
- BUS 349 - Communication Strategy in Management
- LDR 430 - Decision Making and Leadership

Additional Program Courses (3 units)

- CST 100 - Overview of the Bible

Computer Information Technology, BS (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirements (6 units)

- EGR 121 - Introduction to Computer Programming in C++
- EGR 221 - Data Structures

Upper Division Requirements (36 units)

- CIT 320 - Enterprise Architecture
- CIT 330 - Project Management
- CIT 340 - System Analysis and Design
- CIT 350 - Foundations of Information Systems
- CIT 360 - Legal and Ethical Practices in Information Technology
- CIT 370 - Database Design and Processing
- CIT 380 - Computer and Network Security
- CIT 440 - Web Application Development

- CIT 450 - E-Commerce Systems Development
- CIT 460 - Business Networking
- CIT 465 - Advanced Business Networking
- CIT 470 - Information Processing Systems

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Cybersecurity, BS (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- CIS 265 - Information Systems Essentials **OR**
- CIS 270 - Business IT Application
- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirements (9 units)

- CYB 220 - Security by Design
- EGR 121 - Introduction to Computer Programming in C++
- STA 144 - Introduction to Statistics

Upper Division Requirements (33 units)

- CIT 360 - Legal and Ethical Practices in Information Technology
- CIT 380 - Computer and Network Security
- CIT 460 - Business Networking
- CYB 390 - Database Security
- CYB 410 - Defensive Security
- CYB 420 - Offensive Security
- CYB 430 - Computer Forensics
- CYB 440 - Cybersecurity Management
- CYB 470 - Network Defense
- CYB 495 - Cybersecurity Capstone
- NAM 320 - Computer and Operating Systems Architecture

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Marketing, BS (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- BUS 218 - Macroeconomics
- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirements (12 units)

- ACC 250 - Principles of Accounting I
- ACC 251 - Principles of Accounting II
- BUS 217 - Microeconomics
- CIS 270 - Business IT Application

Upper Division Requirements (33 units)

- BUS 303 - Business Finance
- BUS 315 - Business Statistics
- BUS 334 - International Business
- BUS 337 - Management with Biblical Foundation (meets Upper Division CST requirement)
- BUS 358 - Business Law
- MKT 313 - Retailing and Merchandising
- MKT 323 - Marketing Research
- MKT 333 - Principles of Marketing
- MKT 353 - Integrated Marketing Communications
- MKT 458 - Consumer Behavior
- MKT 463 - Marketing Management

Additional Program Courses (3 units)

- CST 100 - Overview of the Bible

Network Administration and Management, BS (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirement (3 units)

- NAM 120 - Computer Programming for Network Administration

Upper Division Requirements (39 units)

- CIT 330 - Project Management
- CIT 350 - Foundations of Information Systems
- CIT 360 - Legal and Ethical Practices in Information Technology
- CIT 370 - Database Design and Processing
- CIT 380 - Computer and Network Security
- CIT 460 - Business Networking
- CIT 465 - Advanced Business Networking
- LDR 310 - Leadership Theory
- NAM 320 - Computer and Operating Systems Architecture
- NAM 470 - Voice over IP
- NAM 475 - Wireless Communications
- NAM 480 - Network Engineering
- NAM 495 - Network Administration and Management Program Capstone

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Department of Education (Online)

Dr. Cammy Purper

Chair

Faculty Information

Major

Early Childhood Studies, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- Fingerprinting and Certificate of Clearance

Upper Division Requirements (33 units)

- ECH 320 - Cognitive Development in Infancy and Early Childhood
- ECH 340 - Perceptual-Motor Development in Infancy and Early Childhood
- ECH 350 - Social and Emotional Development in Infancy and Early Childhood
- ECH 360 - Early Childhood Curriculum
- ECH 365 - Assessment of Young Children including Children with Disabilities
- ECH 385 - Theories and Models for Understanding Behavior in Young Children with Disabilities
- ECH 395 - Learning Environments for Young Children including Children with Disabilities
- ECH 415 - Consultation and Collaboration in Early Childhood Intervention
- ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities
- ECH 455 - Research Seminar in Early Childhood including Early Childhood Intervention
- EDU 341 - The Exceptional Child

Upper Division Elective Requirements (9 units)

Complete nine (9) units from the following:

- ECH 370 - Spiritual Development in Young Children
- ECH 375 - Early Intervention: Early Childhood Special Education
- ECH 440 - STEM Curriculum Integrated with the Arts
- ECH 460 - Adult Supervision
- ECH 461 - Administration of Early Childhood Programs I
- ECH 462 - Administration of Early Childhood Programs II

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Liberal Studies, BA (Online)

Students must select at least one area of concentration within the major. The Liberal Studies program does not meet Elementary Subject Matter Competence. The Elementary Subject Matter Program is specifically designed to prepare students for the CSET and to meet the demands for teaching in a multiple subject classroom. Candidates for the Preliminary Multiple Subject Credential must pass CSET or an approved state exam.

Online Major Program Requirements (49 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- Fingerprinting and Certificate of Clearance

Lower Division Requirements (3 units)

- HUM 213 - Humanities I **OR**
- HUM 223 - Humanities II

Upper Division Requirements (28 units)

- COM 333 - Oral Interpretation and Readers Theatre **OR**
- THE 312 - Drama in the Classroom **OR**
- THE 313 - Advanced Makeup
- EDU 300 - American Public School
- EDU 302 - Growth, Development and Learning
- ENG 353 - Introduction to Children's Literature **OR**
- ENG 363 - Introduction to Young Adult Literature
- ENG 463 - Language Structure and Acquisition
- ETC 305 - Educational Computing - Level I *OR*
- KIN 302 - Contemporary Health Issues **OR**
- KIN 363 - Movement Experiences for Children
- HIS 311 - Minorities in America
- HIS 393 - History of California
- LBS 498 - Capstone Portfolio
- POL 415 - World Geography

Concentration Courses (12 units)

Students must complete one of the following concentrations:

English; Human Development/Early Childhood; Kinesiology; Social Science

English

- ENG 303 - Topics in World Literature
- ENG 313 - Multicultural Literature
- ENG 333 - Seventeenth Century British Literature **OR**
- ENG 343 - Eighteenth and Nineteenth Century British Literature **OR**
- ENG 345 - Nineteenth Century American Literature
- ENG 413 - Shakespeare Studies

Human Development/Early Childhood

- ECH 320 - Cognitive Development in Infancy and Early Childhood
- ECH 340 - Perceptual-Motor Development in Infancy and Early Childhood
- ECH 350 - Social and Emotional Development in Infancy and Early Childhood
- EDU 341 - The Exceptional Child

Kinesiology

Complete twelve (12) units from the following:

* Concentration requires completion of twelve (12) units beyond the core major requirements.

- KIN 302 - Contemporary Health Issues *
- KIN 332 - Lifelong Motor Development
- KIN 363 - Movement Experiences for Children *
- KIN 402 - Diversity in Sport and Physical Activity
- KIN 454 - Behavioral Aspects of Sport

Social Science

- HIS 315 - Latin American History
- HIS 325 - Non-Western Culture and History
- POL 443 - Diplomatic History of the United States
- Three (3) additional upper division units in POL or HIS

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible

- CST 300-CST 400 Upper Division Christian Studies

Organizational Leadership, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Upper Division Requirements (42 units)

- BUS 343 - Human Resource Management
- BUS 463 - Business and Organizational Management
- BUS 475 - Project and Team Management
- COM 308 - Interpersonal Communications
- COM 340 - Rhetoric and Persuasion
- LDR 310 - Leadership Theory
- LDR 330 - Personal Leadership
- LDR 350 - Communication Principles for Leadership
- LDR 410 - Ethical and Biblical Principles for Leadership
- LDR 430 - Decision Making and Leadership
- LDR 450 - Culture and Leadership
- LDR 470 - Group and Leadership
- POL 452 - Organizational Theory and Design
- PST 300 - Career and Professional Development

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Department of Health Science (Online)

Dr. Dominick Sturz

Chair

Faculty Information

Major

Healthcare Administration and Management, BS (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (9 units)

- ACC 250 - Principles of Accounting I
- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care

Upper Division Requirements (36 units)

- BUS 337 - Management with Biblical Foundation (meets upper division CST requirement)
- BUS 343 - Human Resource Management
- BUS 463 - Business and Organizational Management
- COM 425 - Organizational Communication
- HCA 330 - Health Information Systems
- HCA 360 - Finance and Reimbursement in Healthcare
- HCA 405 - Quality Management in Healthcare
- HSC 306 - Pathophysiology for Public Health
- HSC 316 - Public Health Promotion, Disease Prevention and Intervention
- HSC 420 - Health Care Policy
- LDR 310 - Leadership Theory
- MKT 333 - Principles of Marketing

Additional Program Course (3 units)

- CST 100 - Overview of the Bible

Kinesiology, BS (Online)

Online Major Program Requirements (50 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (11 units)

- BIO 153 - Anatomy and Physiology I with Lab
- KIN 212 - First Aid and Safety
- KIN 264 - Movement Anatomy
- KIN 274 - Applied Movement Anatomy

Upper Division Kinesiology Requirements (21 units)

- KIN 302 - Contemporary Health Issues
- KIN 303 - Foundations of Kinesiology
- KIN 332 - Lifelong Motor Development
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 383 - Exercise Physiology
- KIN 454 - Behavioral Aspects of Sport
- KIN 473 - Research Methods and Evaluation in Kinesiology

Upper Division Elective Requirements

Complete twelve (12) units from the following:

- KIN 300 - Nutrition Science
- KIN 363 - Movement Experiences for Children
- KIN 393 - Applied Exercise Physiology
- KIN 404 - Movement Experiences for Middle School Students
- KIN 414 - Methods of Teaching Sport Activities
- KIN 423 - Organizations and Administration of Physical Education
- KIN 480 - Fitness Assessments and Exercise Prescription
- KIN 490 - Principles of Conditioning Athletes

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Public Health, BS (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra
- PSY 213 - General Psychology
- Biology course (BIO 143 or higher)
- Chemistry course (CHE 102 or higher)
- Biology or Chemistry Lab (1 unit)

Lower Division Requirements (12 units)

- HSC 101 - Introduction to Public Health
- HSC 104 - Survey of U.S. Health Care Delivery
- HSC 210 - Ethics in Health Care
- STA 144 - Introduction to Statistics

Upper Division Requirements (30 units)

- HSC 301 - Principles of Health Education
- HSC 305 - Epidemiology
- HSC 306 - Pathophysiology for Public Health
- HSC 312 - Environmental and Occupational Health
- HSC 316 - Public Health Promotion, Disease Prevention and Intervention
- HSC 320 - Public Health Nutrition and Physical Activity
- HSC 450 - Curriculum Design in Health Education
- HSC 460 - Planning and Evaluating Health Education Programs
- HSC 480 - Research Methods
- KIN 302 - Contemporary Health Issues

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Sport, Recreation, and Fitness Management, BA (Online)

Online Major Program Requirements (49 units)

Prerequisites to the Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (10 units)

- KIN 212 - First Aid and Safety
- KIN 253 - Functional Movement Anatomy
- SRF 201 - Introduction to Sport Recreation and Fitness Management
- SRF 250 - Financial Principles for Sport Recreation and Fitness Management

Upper Division Requirements (33 units)

- COM 425 - Organizational Communication
- HSC 320 - Public Health Nutrition and Physical Activity
- KIN 353 - Care and Prevention of Athletic Injuries
- KIN 454 - Behavioral Aspects of Sport
- MKT 333 - Principles of Marketing
- SRF 310 - Legal Aspects of Sport Recreation and Fitness
- SRF 320 - Ethical Considerations in Sport Recreation and Fitness
- SRF 410 - Special Populations in Sport Recreation and Fitness
- SRF 420 - Facility Planning and Design Management
- SRF 430 - Event Programming in Sport Recreation and Fitness
- SRF 490 - Organization and Administration of Sport Recreation and Fitness Management

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Department of History and Government (Online)

Prof. Beth Groves

Chair

Faculty Information

Major

Criminal Justice, BS (Online)

Online Major Program Requirements (45-48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition
- MAT 115 - Intermediate Algebra

Lower Division Requirements (6-9 units)

*Active duty law enforcement may be eligible for CJS 113 exemption

- CJS 113 - Introduction to Criminal Justice *
- POL 213 - American Government
- POL 223 - State and Local Government

Upper Division Requirements (33 units)

- CJS 304 - Ethics for Law Enforcement
- CJS 341 - Minorities and the Criminal Justice System
- CJS 350 - Emergency Management
- CJS 355 - Information Management
- CJS 360 - Historical Perspectives of Criminal Justice
- CJS 401 - Crime and Delinquency
- CJS 472 - Terrorism and Homeland Security
- CJS 485 - Methods of Research for Criminal Justice
- CJS 497 - Comparative Criminal Justice
- POL 485 - Constitutional Law II
- POL 493 - Principles of Public Administration

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible

- CST 300-CST 400 Upper Division Christian Studies

Public Administration, BA (Online)

Online Major Program Requirements (48 units)

Prerequisites to Program

- ENG 113 - Composition
- ENG 123 - Intermediate Composition

Lower Division Requirements (9 units)

- POL 213 - American Government
- POL 223 - State and Local Government
- POL 255 - Introduction to Comparative Politics

Upper Division Requirements (33 units)

- POL 395 - Political Economy
- POL 450 - Research Methods in Political Science
- POL 451 - Executive Leadership and Management in the Public Sector
- POL 452 - Organizational Theory and Design
- POL 453 - Administrative Law and Bureaucracy
- POL 465 - Policy Process and Analysis
- POL 485 - Constitutional Law II
- POL 490 - Contemporary Issues in Public Administration
- POL 491 - Public Personnel Management
- POL 493 - Principles of Public Administration
- PST 300 - Career and Professional Development

Additional Program Courses (6 units)

- CST 100 - Overview of the Bible
- CST 300-CST 400 Upper Division Christian Studies

Enrollment and Student Services

Mr. Kent Dacus

Vice President for Enrollment and Student Services

Ms. Celeste Wilcox

Administrative Assistant

Phone (951) 343-4687

FAX (951) 343-4576

Philosophy of Student Development

As a Christian institution, California Baptist University has dual responsibilities to its constituency. As an academic institution, it seeks to promote high scholastic standards, stimulate mental alertness, impart a general knowledge of the natural world and of the history and institutions of human society, and to assist students in choosing and learning an area of specialization for their life's work.

As a Christian institution, the University seeks to promote and follow the spiritual principles set forth by Jesus Christ. In acknowledging these principles, the University places special emphasis on leading students in an active pursuit of the spiritual values of life and developing leaders for the Southern Baptist churches of California and beyond.

Students at CBU are individuals involved in academic pursuits and at the same time are members of a Christian community nurturing one another in spiritual growth. The University expects students to take seriously this two-fold responsibility.

The Student Services Division is committed to the intellectual, spiritual, social, aesthetic, and physical development of California Baptist University students so that they are assisted in becoming autonomous, competent, responsible, and interdependent individuals who use their intellects and skills with wisdom and integrity.

Freedom and Responsibility

California Baptist University students are entitled to the same freedom as any other citizen of our country. It is the Policy of the University to ensure these rights, consistent with the provisions of law, acceptable tastes, and purposes and goals of the institution. When matriculation in the University requires that conditions be placed upon Student freedoms, these conditions and their rationale are clearly delineated.

On this campus, the concepts of freedom and personal responsibility are inextricably bound together. The campus community, like any other, functions upon the principle that all members respect and protect the rights of their fellow citizens. Students are encouraged to develop these values which represent mature, self-disciplined people who appreciate the privilege of education and are willing to accept its responsibilities.

When people choose a college, they commit themselves to its philosophy of education, policies, and regulations. Students are to demonstrate proper respect of University personnel which includes, but is not limited to, compliance with directives of University officials in the performance of their duties.

Even though students may not agree with a few rules established by the University, it is expected that they comply with them in a manner conducive to the highest moral standards and in keeping with the discipline of the academic community.

Generally, through appropriate procedures, institutional judicial measures shall be imposed for conduct which adversely affects the institution's pursuit of its educational objectives, which violates or shows a disregard for the rights

of other members of the academic community, or which endangers property or persons on institution or institution-controlled property.

Responsibility for enforcement of Student Conduct Policy lies with the Dean of Students, Director of Student Conduct, and other Student Services staff. This group defines behavioral expectations and takes appropriate action in support of University Policy.

Standard of Student Conduct

In order to achieve its mission, California Baptist University expects members of the campus community to accept responsibility for their personal conduct and to encourage others within the community to do the same.

All students enrolled at California Baptist University are expected to conduct themselves in accordance with the Standard of Student Conduct, regardless of age, classification, or the number of hours being taken. The Standard of Student Conduct is established for the purpose of outlining expected behavior of students in the campus community. The Standard of Student Conduct shall be defined as any and all policy, procedure, and/or behavioral expectation contained within the Student Handbook and the University Catalog.

If the conduct of any member of the campus community is found to be detrimental to the academic, social, and spiritual development of others within the community, the University (through its various offices and personnel) provides guidance, direction, and if necessary, judicial action.

This Standard of Student Conduct shall apply to any and all lands owned or leased by the University, as well as, to any location where a student is engaged in a University activity. Examples of such coverage include, but are not limited to, athletic teams and performing arts groups traveling to and participating in events off campus, student teaching and observation/participation, student government, recognized organizations and clubs engaging in a club event or activity, off-campus internships, community service, study abroad, International Service Projects, United States Service Projects, and Summer of Service Projects.

Students should understand the commitment to the spirit of the University and realize that their enrollment is viewed as a willingness to abide by and accept the responsibilities of the environment.

Philosophy of Discipline

The purpose of discipline at California Baptist University is to assist in maintaining individual and community growth. Personal growth and maturity are encouraged most when each member of the University community uses self-discipline and shares the responsibility to care enough about others to confront them when appropriate. The responsibility to confront one another in a loving manner should enable inappropriate behavior to be corrected on a personal level.

Unfortunately, situations may arise which warrant a formalized judicial process. Judicial procedures are designed to provide a just and equitable process of educational discipline. While every effort is made to protect the rights of students, the University does not attempt to duplicate or to emulate court proceedings and should not be viewed as such. Student judicial procedures, student rights, and the appeal process are outlined in detail in the Student Handbook.

Enrollment and Student Services Division

The Enrollment and Student Services Division encompasses the offices of Academic Advising, Career Center, Community Life, Counseling Center, Enrollment Services, Intercollegiate Athletics, Leadership and Transitions, Provider Food Service, Residence Life and Housing Services, Safety Services, Spiritual Life, Student Government, Wellness Center, Title IX, and University Card Services. In addition to providing general supervision of the offices that

comprise the Student Services division the Student Services Office provides services that include, but are not limited to, the following:

- Administrating student health insurance provided through the University and accepting proof of insurance (as required by University policy)
- Referring students to campus resources
- Facilitating the judicial action and non-judicial action appeals processes
- Investigating student allegations and complaints
- Reviewing and approving on-campus postings (flyers, posters, etc.)
- Serving as the primary point of notification when students are involved in situations that require an extended absence from campus
- Coordinating commencement events
- Any issue dealing with food services
- Title IX Office

Academic Advising

The Office of Academic Advising assists students with course registration, degree planning, graduation checks, program changes and various academic appeals. Academic Advising works in cooperation with both departments and other student support offices to ensure the best possible assistance is provided to students navigating their program of study. Advisors are available by appointment, walk-in, chat, email, or phone.

Activities

In addition to maintaining the University's activity calendar, serving as an activity-planning resource, and assisting with the oversight of student clubs and organizations, the Community Life Office plans and implements campus activities, intramural sports, educational programs, cultural programs, and seminars that reflect the Christian values of the institution.

Associated Student Government

The Associated Students of California Baptist University (ASCBU) is committed to the development of the student body through the representation of student needs and concerns to the University administration and a variety of student programs.

The ASCBU organization consists of a three-branched government; the executive, legislative, and judicial. The Executive Council, Senate (Class, Residential, and Commuter Representatives), and Judicial Board perform duties for each branch, respectively. Specific responsibilities of each branch are outlined in the ASCBU Constitution.

Campus Housing

The Residence Life Office strives to promote the mission of California Baptist University by providing an on-campus living environment that is conducive to scholarship and personal growth and development. Accordingly, living in residence at CBU carries with it a distinctive set of privileges and responsibilities. Students who reside on campus live in a community with their peers and are entrusted with the responsibility to challenge and support each other in a respectful, cooperative, and communicative fashion. This environment provides students with enriching experiences, which may help to promote healthy interpersonal relationships.

Students interested in campus housing should consult the Office of Residence Life.

Career Center and Student Employment

The Career Center serves as a connection between education and career by providing students opportunities and resources for professional development, networking, and experience. The goal of the Career Center staff is to equip students with the professionalism necessary to excel in their respective careers and become effective servant-leaders for Christ upon graduation, both locally and globally.

The Career Center provides students with varied opportunities for professional development and career exploration through programming that is both campus-wide and major specific. Career Center staff conducts classroom presentations, workshops, seminars, and provides office walk-in hours to assist and instruct students in their professional development. In addition, the Career Center arranges opportunities for students to interact and network with potential employers through career fairs and employer presentations.

Clubs and Organizations

Clubs play an important role on the California Baptist University campus by encouraging students to pursue interests, develop leadership skills, create meaningful relationships, and enhance academic achievements. A list of chartered clubs and organizations as well as club and organization policy and procedures are available in the Community Life Office.

Intercollegiate Athletics

The Athletic Department provides education for the body, mind and spirit of each student-athlete at California Baptist University. The department is staffed by an athletic director, associate athletic director for compliance, associate athletic director for marketing and media relations, assistant athletic director for facilities, assistant athletic director for sports medicine, athletic academic counselor, Director of Media Production, Director of Ticketing/Sales, aquatic center director, athletic trainers, athletic performance director, coaches and a support staff. Coaches work diligently in the education of the students so they will experience athletic, academic and personal success in their endeavors, while encouraging Christ-like competition by all participants.

CBU is an active member of the National Collegiate Athletic Association (NCAA) Division I. Within the NCAA, the Lancers compete in the Western Athletic Conference (WAC), which is comprised of eight (8) colleges and universities. In order to be eligible to participate in the California Baptist University Intercollegiate Athletics program, student athletes must meet all NCAA and/or WAC requirements and rules for competition.

The Lancers intercollegiate sports programs sponsored by CBU for men include baseball, basketball, cross country/distance track, golf, soccer, swimming and diving, track, water polo, and wrestling. Women's programs include basketball, cheerleading, cross country/distance track, golf, softball, soccer, swimming and diving, volleyball, and water polo.

Intramural Sports

California Baptist University is committed to the overall educational experience. Intramural sports play an integral part in this experience in the following ways:

- Encourage students to work together in pursuit of individual and team goals;
- Provide students an enjoyable way to interact with others;
- Offer students avenues to relieve stress or anxiety;
- Help students begin an attitude of lifelong physical fitness.

The University's intramural sports program maintains a full schedule of athletic and recreational activities throughout the academic year. Activities include a variety of seasonal competitions between organized teams, tournaments, individual competitions, and non-athletic events.

Leadership and Transitions

The Office of Leadership and Transitions oversees the Student Leadership Program selection process, Student Leadership training and development, New Student programs, Welcome Weekend, and a variety of other campus-based programs and initiatives.

FOCUS (First-Year Orientation and Christian University Success)

The FOCUS program is designed to assist new students with the transition to university life and the California Baptist University community. The transition consists of three parts: New Student Orientation, Welcome Weekend, and a University Success course. New Student Orientation introduces students to campus culture, provides an overview of campus resources, conveys University expectations, and facilitates the class registration process. Welcome Weekend, which takes place prior to the beginning of each semester, includes social, spiritual, and informational sessions.

The FOCUS course is required of all unmarried, full-time undergraduate students who are first-semester freshmen and under twenty years of age. Students who have completed a similar course and/or completed a full semester of transferable coursework at another institution are not required to enroll in the FOCUS course.

Recreation Center

The Recreation Center, is a state-of-the-art fitness and recreation facility. The Recreation Center offers members of the campus community a wide range of personal fitness and group exercise opportunities. This facility is equipped with a number of recreation features including a rock wall and bouldering area, a state-of-the-art cardio and weight room, racquetball courts, a gymnasium with basketball and volleyball courts, group exercise rooms, a rooftop track and soccer field, men's and women's locker rooms, and lounge spaces located throughout the facility.

Safety Services

California Baptist University maintains a Department of Safety Services to enhance the safety and security of the campus community. In addition to staffing the Welcome Pavilion and patrolling school properties, the department provides twenty-four (24) hour assistance with emergencies, crime and injury reporting, safety escorts, and education of the campus community on safety and security practices.

Safety Services can be contacted by calling 951.343.4311 or from the LiveSafe mobile device application (app). LiveSafe is a personal safety app that provides a convenient way for users to Report Tips to Safety Service, contact Emergency Services, find places on an interactive Campus Map, and GoSafe by either being watched or watching over a friend or requesting that Safety Services provide an escort. There is also a resource library for health and wellness services and what to do in an emergency. LiveSafe is available for download at the App Store or on Google Play.

In the event of a medical or police emergency situation, call 911 and then contact the Safety Services Department by calling 951.343.4311 or from LiveSafe, as described above. Other situations should be reported to the Safety Services Department immediately.

Community and Emergency Notification

The University has developed a multimedia system to immediately notify students, faculty, staff, and visitors of any emergency circumstance or serious situation that poses a credible threat to the safety and security of the campus community. Components of this system include:

A siren/verbal warning system capable of projecting audible messages across open areas of the main campus. Pre-recorded messages are activated at the press of a button or more specific verbal messages with instructions may be delivered over the speaker system.

CBU Alert--an "opt-in" system capable of transmitting and delivering messages to all subscribed email and cellular telephone addresses on file with the University. Students must "opt-in" to receive these messages.

All University-issued email addresses are pre-entered into this system and those users have the option to include their personal cellular phone and/or any other device capable of receiving text-based messages. Parents or guardians of students enrolled at CBU may also be added through the student's account.

Any or all parts of this system may be activated in response to any specific incident.

For instances when there is no immediate threat to the safety of the campus community but it is desirable to provide information for educational or crime prevention purposes, email distribution is used to disseminate relevant facts and measures to be implemented or considered.

Vehicle Registration

Students who operate a vehicle on campus must register for a parking permit with the Safety Services Department. Parking permits are issued for the current school year. Drivers are expected to comply with the University traffic and safety regulations and non-compliance may result in the issuance of a citation and/or suspension of parking and/or driving privileges on campus. Copies of the California Baptist University Vehicle Code are available in the Student Handbook.

Spiritual Life

California Baptist University is committed to the biblical teaching of the Christian faith. As a result, the University has sought since inception to evidence the values of Christian living in the lives of students, staff, and faculty as they live out the Christian ethics of love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control. Though students are not required to be Christians, the University encourages students to grow in their relationships with God by exploring the gospel and expressing the Christian faith in a variety of ways.

As a University committed to the Great Commission, the University provides opportunities for spiritual growth and formation through the Office of Spiritual Life. The purpose of the Office of Spiritual Life is "Investing in lives to develop followers of Jesus."

California Baptist University requires students to take Bible-based courses in Christian studies. However, the University also offers students many opportunities to explore and express the Christian faith. Students are encouraged to participate in ways unique to personal needs and interests through regularly scheduled times of spiritual emphasis, Bible studies, worship gatherings, evangelism, ministry teams, community service, and missions.

Compassion Ministries

By putting faith into action, students learn the significance of demonstrating the love of Christ in the context of the gospel. Participating in urban projects for a day or a weekend, working with the homeless, or serving the local community gives students the opportunity to make a difference in the lives of others in the name of Jesus.

Chapel

The California Baptist University community gathers regularly for worship, fellowship, Christian growth, and spiritual encouragement. Chapel services vary from Bible preaching to inspirational sharing, but three (3) principles guide the worship-planning process. First, Chapel services will demonstrate a richness of biblical theology to direct the hearts and minds of worshipers to the glory of God, the preeminence of Christ, and the power of the gospel. Second, Chapel programming and personnel will represent the cultural and ethnic differences of the CBU community to serve as a reminder that God calls all people groups to worship Him through a relationship with Christ. Third, worship music will be stylistically diverse to accommodate the variety of worship styles represented by the campus community.

Chapel services are organized, coordinated, and implemented by the Dean of Spiritual Life and the Director of Chapel. Occasionally, as deemed appropriate by a University Officer, members of the campus community are recognized for notable accomplishments during Chapel. Holidays, cultural programs, and other forms of recognition and/or expression are not included as part of Chapel programming; such events may be coordinated through the Community Life Office.

Discipleship Ministries

Students of California Baptist University have opportunities to grow in their relationships with Christ through discipleship and mentoring in the context of weekly small groups, regular large-group meetings, regularly-scheduled conferences, and other events that encourage spiritual growth. The primary discipleship structure is Challenge, an intentional discipleship process based in small groups called "Tribes."

Men's and Women's Ministries

Special all-male or all-female events provide environments that foster community for students to grow in their relationships with Christ and each other. Events are gospel-centered and planned around shared interests, strengths, experiences, and struggles. Ministry events provide opportunities for students to hear guest speakers, participate in small-group discussion, learn about gospel-centered resources, and be involved in ongoing discipleship.

Third Culture Kid (TCK) Ministry

At CBU, TCKs are American students who spent most or all of their developmental years outside of the United States. Although they are Americans by birth, they often do not feel connected to American/Californian culture or the culture of the American University. The TCK Ministry comes alongside and supports TCKs to assist them in bridging cultural gaps they encounter during their time at CBU so that they can grow socially, spiritually, and academically.

Mobilization

In cooperation with the International Mission Board of the Southern Baptist Convention and various missions organizations, International Service Projects (ISP) create opportunities for students to participate in the "Great Commission" (Matthew 28:19-20) so that they might gain a global vision for the cause of the gospel as well as cross-cultural experience through service learning. ISP teams have served in more than fifty (50) countries since 1997. Participation in ISP is open to California Baptist University students who meet membership requirements, successfully complete the application and interview process, fulfill fundraising obligations, and are in good academic and behavioral standing with the University. The service learning application and selection process is coordinated by the Mobilization area of the Office of Spiritual Life and takes place during the fall semester.

Engagement. Teams of California Baptist University students serve internationally for approximately three (3) weeks during the summer months. Each team is led by a University official or other approved member of the University community. The ministry focus may vary depending upon the outreach strategy of the selected area.

Immersion. Teams of California Baptist University students serve internationally for approximately eight (8) weeks during the summer months. Ministry focus varies depending on the outreach strategy of the selected area(s). Summer of Service was established in 2010, and in 2017 was rebranded to Immersion.

Encounter. Teams of California Baptist University students serve internationally for approximately two (2) weeks during the summer months. Each team is led by a University official or other approved member of the University community. Encounter was launched in 2018. The projects differ depending upon the service opportunities of the selected area.

Student Health Insurance

California Baptist University contracts with UnitedHealthcare Student Resources to provide student healthcare insurance. Requirements, eligibility and cost related to student health insurance are determined by student enrollment status.

International students are required to enroll in the student insurance plan.

Traditional undergraduate students enrolled for seven or more units are automatically charged for medical insurance provided by the University, unless proof of medical insurance is submitted through the online waiver accessed at www.calbaptist.edu/healthinsurance. Proof of insurance must be submitted prior to the "last day to drop a class with refund" as indicated in the University Calendar, during the first semester of attendance of each academic year. Students who do not submit proof of medical insurance by the deadline will be enrolled in the plan. Once a student is enrolled, the charge is non-refundable. Students enrolled in less than seven units are not eligible to enroll in the plan.

Dependent Coverage for spouse and children of students enrolled on the plan is available for an additional cost. Questions about student health insurance can be directed to the University Card Services Office.

Information regarding the student health insurance plan provided by CBU may be accessed at www.calbaptist.edu/healthinsurance. Students, who have questions regarding the student health insurance plan after reviewing the information provided online, are encouraged to contact the University Card Services Office for assistance.

Wellness Center

The California Baptist University Wellness Center, located at 3626 Monroe Street, houses the CBU Health Center and the CBU Counseling Center. The goal of the Wellness Center staff is to provide effective health, wellness, and counseling services that promote academic and personal success.

Student Health Center

The Health Center is available to all members of the campus community. To help maintain a healthy campus environment, students are encouraged to visit the student health center at the onset of illness symptoms and other health-related concerns. Health Center staff can address most conditions that are treated in an urgent care facility.

The Health Center is operated in cooperation with Riverside Medical Clinic that provides staffing and insurance billing services. In addition to accepting student health insurance (UnitedHealthcare Student Resources) provided through California Baptist University, most PPO insurances and HMO insurances (that name Riverside Medical Clinic as their primary medical group) are accepted at the Health Center. Kaiser Permanente Health Plans are not accepted at the Student Health Center. The Health Center has reasonable walk-in rates for all CBU community members beginning at \$23. For students, faculty, and staff needing ongoing care and prescriptions for pre-existing conditions, it is recommended they visit their primary care physician.

The Health Center is typically open while classes are in session, Monday - Friday from 8:30 am - 5:30 p.m.

Call 951.321.6520 to schedule an appointment. Appointments are required for all routine well- and/or preventative-services visits. Walk-ins are welcome.

Counseling Center

The Counseling Center offers a full range of counseling assistance as members of the campus community strive to become more effective, productive, and comfortable with University life. The primary mission of the Counseling Center is to provide professionally competent and personally compassionate care for students, faculty and staff. The goal of the Counseling Center is to provide services with a Christ-centered approach and biblically-focused world view.

Counseling is provided by well-trained Marriage Family Therapist interns and associates. All counseling is provided under the professional supervision of fully licensed therapists. Issues that can be addressed with a counselor include, but are not limited to:

Addiction/Substance Abuse	Family Conflict
Anger	Grief
Anxiety	Identity/Self-Image
Depression	Life Transitions
Divorce	Relational

Counseling is completely confidential except where limited by law. These limitations include any plan to harm others or self along with issues of child and/or elder abuse.

The Counseling Center is available to students, faculty, staff, and immediate family members (spouses and dependents under the age of 19). Typically, appointments will be scheduled within one (1) week of initial contact. Walk-in appointments are available for urgent situations. Call 951.689.1120 to schedule an appointment.

Undergraduate Admissions

- Traditional Admissions
- Online and Professional Studies Admissions

Online and Professional Studies Admissions

Mr. Merritt Robinson

Dean of Enrollment Services

Ms. Mindi Flores

Administrative Assistant for Enrollment Services

Phone 951.343.3915

FAX 951.358.1181

miflores@calbaptist.edu

The Division of Online and Professional Studies was established for the specific purpose of serving the needs of an increasing number of adults and non-traditional students seeking higher education. Online and Professional Studies (OPS) develops degree programs in fully-online and hybrid formats at both the undergraduate and graduate levels. All programs incorporate a Christian perspective, and a year-round semester system speeds students toward graduation.

Locations

Tyler Plaza Administrative Offices

10370 Hemet Street, Suite 200

Riverside, CA 92503

Phone 951.343.3900

Toll Free 877.236.1617

FAX 951.358.1181

Moreno Valley Campus

12625 Fredrick Street

Moreno Valley, CA 92553

Brea Downtown

330 W. Birch St.

Brea, CA 92821

Rancho Cucamonga

7369 Day Creek Blvd, Suite F101/F102

Rancho Cucamonga, CA 91739

Temecula

40764 Winchester Road, Suite 590

Temecula, CA 92591

When to Apply

The university implements a rolling admissions practice. Prospective students are encouraged to complete the application process at least four weeks prior to the start of their intended session. Online and Professional Studies offers two eight week sessions every semester, providing six admission start dates per year.

Application Procedures

To be considered for admission students are required to submit the following documents:

- A completed Application for Admission.
- A \$45.00 non-refundable fee.
- Official transcripts from previously attended colleges and universities, submitted to OPS Admissions. An official high school transcript or the equivalent is required for applicants with fewer than 24 completed units.
- Applicants to the RN-BSN program should refer to program admission requirements set forth by the College of Nursing.

Student Status

Applicants to Online and Professional Studies will be considered according to the following classifications:

Standard

Applicants who have submitted official high school transcripts showing a minimum cumulative grade point average of 2.5 and (if applicable) have submitted official college or university transcripts showing a minimum cumulative grade point average of 2.0 (based on a 4.0 scale)

Conditional

Applicants who met standard admission requirement but are missing official transcripts or other documentation may be admitted on a conditional basis.

Provisional

Applicants who do not meet standard entrance requirements may be granted provisional admission under conditions set by the Online and Professional Studies Admissions and Retention Committee.

Special Student

Applicants offered Special Student status are eligible to enroll for up to 6 units per session. To continue beyond a total of 18 units the student must meet regular admission requirements. (NOTE: Special Students are not eligible for financial aid).

Denial

Denial may occur when an applicant does not meet the qualifications for admission as stated in the categories stated above. California Baptist University and Online and Professional Studies Division reserves the right to deny admission to applicants who are antagonistic with the philosophy and purpose of the University.

Appeals

Appeals on any decision regarding admission should be made in writing and addressed to the Online and Professional Studies Admission and Retention Committee in care of the University.

Readmit

Students who have attended California Baptist University, but have for any reason discontinued enrollment for one or more semesters will be required to submit a Readmit application, a \$25 re-application fee, and official copies of transcripts from all other institutions attended. Readmitted students who discontinued enrollment for more than one semester will enter under the catalog current at the time of re-admission, and will be subject to the admissions and degree requirements outlined in that catalog. The University is not responsible for providing courses or programs which have been discontinued. For more information contact Online and Professional Studies at (877) 236-1617.

Audit Students

An Audit Student is defined as a student who is not taking classes at California Baptist University for credit. For more information on auditing a class, please see the Academic Information section of this catalog.

Global Initiatives

Dr. Larry Linamen

Vice President for Global Initiatives

Mr. Bryan Davis

Dean of International Programs

Ms. Heather Snavely

Director, Intensive English Program (IEP)

Ms. Leslie Shelton

Director of International Student Services

Ms. Holly Christensen

Administrative Assistant

Phone 951.552.8758

FAX 951.343.4728

Ms. Daphne Kieling

International Center Receptionist

Phone 951.343.4690

FAX 951.343.4728

international.center@calbaptist.edu

The Division of Global Initiatives was established to promote global engagement across all sectors of the university and help diversify the student body such that CBU becomes less dependent upon its domestic constituency; to initiate and increase preparation for an educational environment extending beyond national boundaries and driven by the demand of a global marketplace. The division, housed in the International Center, encompasses International Admissions, International Student Services, and the Intensive English Program (IEP).

International Undergraduate Admissions

Authorization

California Baptist University is authorized under Federal law to enroll non-immigrant alien students.

When to Apply

Application and completion of the file for a particular term must be made according to the following deadlines. The closing dates for receiving international student applications and all supporting documentation are earlier than for standard applications due to the additional time needed to process documents through SEVIS.

Session	Deadline
Fall Semester	July 1
Spring Semester	November 1

Once all admission requirements have been met and the applicant is approved for admission, a letter of acceptance and the form I-20 will be issued. All international student athletes are subject to additional criteria as outlined in CBU's International Student Athlete I-20 Policy.

Application Procedure

To be considered for admission international students must submit the following:

- A completed International Student Application for Admission
- A \$45.00 non-refundable fee
- Official transcripts
- Official sealed copies of all academic records (including transcripts, mark sheets and grade reports, as well as graduation certificates, diplomas and/or completion certificates) from secondary schools, showing dates of attendance, courses taken, and grades received. Transfer applicants are required to submit all official college transcripts from all colleges/universities attended and accompanying documentation, as well. All records must be accompanied by a certified English translation. Transcripts must be sent directly from the educational institution to CBU. Transcripts received by CBU from a third party (including the applicant) are unofficial and cannot be used for an application file.
- Essay or Personal Statement
- Submit a personal statement (minimum 3-5 paragraphs) responding to the following question: "What do you hope to gain from your experience as a student at California Baptist University?" Give examples from an academic, social, and spiritual standpoint.
- Proof of Financial Support

International students must submit proof of financial support before an I-20 will be issued. Students must send the following items:

- A certified bank statement demonstrating sufficient funds for study. Financial support must guarantee and certify funds equal to a minimum of one year of the student's academic program
- The Sponsor's Commitment of Financial Support form, provided by California Baptist University
- International students must pay semester charges in full within the first week of classes during each semester of enrollment

Proof of English Proficiency

Students applying from non-English speaking countries must demonstrate English proficiency in order to ensure a successful experience at California Baptist University. English proficiency may be demonstrated in one of the following six ways:

- A minimum score of 71 on the Internet Based (IBT) Test of English as a Foreign Language (TOEFL) or 527 on the Paper Based Test (PBT)
- A minimum score of 430 on the verbal section of the Scholastic Aptitude Test (SAT)
- A minimum score of 16 on the English section of the American College Testing Program (ACT)
- A minimum score of 5.5 on the International English Language Testing System (IELTS)
- A minimum score of 48 on the Pearson Test of English Academic (PTE Academic)
- Satisfactory completion (2.0 on a 4.0 scale) of thirty or more transferable semester college units, including the equivalent of English 113 (English Composition), in a college or university where English is the primary language of instruction

Students who do not meet one of the above English proficiency standards will receive joint admission to the traditional undergraduate and Intensive English Program (IEP).

Admissions Status

Standard

Standard entrance may be granted to those applicants with a minimum GPA of 2.5 and a TOEFL of 71 IBT. Students admitted under Standard status may take up to 15 units their first semester.

Joint

Joint entrance may be granted to those applicants with a minimum GPA of 2.5 but who do not meet the minimum language proficiency requirement; students will be granted admission to the Intensive English Program and the traditional undergraduate program. Students admitted under Joint status may take up to 12 units their first semester.

Denial

Denial may occur when an applicant does not qualify for admission in the above categories. California Baptist University also reserves the right to deny admission to applicants who are antagonistic with the philosophy and purpose of the University.

Intensive English Program (IEP)

The Intensive English Program is a full-time, pre-academic and bridge program which fosters cross-cultural exchange by providing English as a Second Language (ESL) instruction to non-English speaking students in preparation for study at CBU. In particular, ESL takes place in a classroom setting, collaborating with International Student Services (ISS) on co-curricular activities outside of the classroom.

Further information on the IEP course progression and ESL courses can be located in the Academic Programs section of this catalog.

International Student Services

The Department of International Student Services (ISS) assists international students in transitioning into the CBU community, exploring American culture, and understanding U.S. immigration regulations. ISS ensures that students understand institutional expectations, provides support services, processes immigration documents, plans and implements activities that promote campus awareness and appreciation for cultural understanding and experience, and assists students in becoming integrated into the CBU community.

Financial Aid

Mr. Joshua Morey

Director of Financial Aid

Phone 951.343.4236

Toll Free 877.228.8855

FinAid@calbaptist.edu

The Purpose of Financial Aid

California Baptist University coordinates and provides financial assistance to students who may otherwise be unable to attend for financial reasons. Financial aid at California Baptist University is administered in accordance with federal, state, and institutional policies. Although every effort is made to provide assistance to as many students as possible, it is important students understand they and their parents bear the principal responsibility for meeting educational costs. A federal methodology calculation is used in determining eligibility for financial aid, which is available to students through federal, state, and institutional programs.

There are various scholarships, grants, work programs and loans available for eligible students. These forms of financial assistance are categorized as follows: federal programs, state programs, institutional programs, and private scholarships. Specific information on each of these sources of financial aid is available on the Financial Aid section of the CBU website.

Applying for Financial Aid

Students who apply for federal, state, institutional, or private aid must complete a Free Application for Federal Student Aid (FAFSA) each year. This form is available online at www.fafsa.gov. The Renewal FAFSA can also be done on the internet at www.fafsa.gov. All applicants are required to create a FSA ID. A FSA ID gives students access to Federal Student Aid's online systems and can serve as your legal signature.

Completion of the FAFSA will generate a Student Aid Report (SAR) which is sent directly to the student by the federal government. This report provides information regarding the student's Expected Family Contribution (EFC). The Financial Aid Office will receive the FAFSA information electronically provided that the student has listed California Baptist University (school code 001125) on the FAFSA. Generally, the amount of financial aid awarded is based on the financial need of the student as determined by the results of the FAFSA. Financial need is defined as the difference between the total cost of attending school (tuition, fees, room, board, books, supplies, and other allowable living expenses) and the Expected Family Contribution (EFC) as determined through the Federal Methodology Need Analysis. A student whose EFC exceeds the cost of attendance may still qualify for financial aid.

Requirements for Awarding

Financial aid funds are limited and are awarded on a priority basis. Priority for the academic year will be given to students who are approved for admission and complete their financial aid file by March 2. A completed financial aid file consists of the following documents:

- Results of the FAFSA.
- If requested by the Financial Aid Office-prior year federal tax transcripts from parents and students may be required. This is accompanied by a verification web form. Verification is processed electronically through the University's Verify My FAFSA system on InsideCBU.

- Any additional documents required by federal or state agencies.
- All requested documents must be submitted no later than 14 days prior to the close of the term.

To qualify for a financial aid award, undergraduate students must be enrolled in 6 units of degree applicable coursework for half-time status, 9 units of degree applicable coursework for three-quarter time status, and 12 units of degree applicable coursework for full-time status. If less than half time, students may still be eligible for a portion of their Federal Pell Grant.

Applicants for the Cal Grant programs must file a FAFSA; new applicants must also submit a GPA verification form no later than the deadline established by the California Student Aid Commission (March 2). New applicants who fail to meet this deadline each year are not eligible to receive a Cal Grant.

Applications for the Dream Act must complete the Worksheet for California Dream Act by the March 2nd deadline. Additional documentation may be required. Please visit www.csac.ca.gov for details.

Students who are approved for admission and have completed their financial aid file after the priority deadline will still be considered for financial aid. However, options for preferred aid programs may be limited. The evaluation of a completed financial aid file will result in a Financial Aid Award Offer for eligible students.

Student Rights and Responsibilities

Financial Aid Award Letter

The Financial Aid Award Letter is issued to a student after all requested documents are submitted to the Financial Aid Office. Grants and scholarships will be accepted for the student, with the exception of Cal Grant, or unless the Financial Aid Office is notified of the student's decision to decline the aid. Acceptance of loan proceeds must be confirmed as outlined in the award letter instructions before funds will be disbursed to the student's account. Participant scholarship recipients may be required to sign a separate agreement before the scholarship will be disbursed.

Students are required to notify the Financial Aid Office of changes in financial, residency or academic status. Changes of this nature will be reviewed and adjustments may be made to the student's Financial Aid award. Changes based on marital status may be allowed up to the first day of the academic year.

Students have the opportunity to have their financial aid decision reviewed and explained by their Financial Aid Counselor by requesting an appointment.

Disbursement

Generally, a student's total financial aid award is divided equally between the Fall and Spring semesters. Federal and state grants, institutional and private scholarships, and student loans will be credited directly to the student's account. Direct loan funds, subsidized and unsubsidized, and Parent PLUS loan disbursements are sent directly to the University.

Seniors attending one semester during their last academic year (graduating early) or attending an additional semester (senior year totaling 3 semesters) are subject by federal regulations to have some of their Financial Aid prorated based on federally directed calculations.

Withdrawal from the University

Withdrawal from the University (all classes) during any period of enrollment, whether official or unofficial, may necessitate the return of federal financial aid.

Pursuant to federal regulations (CFR 668.22), a refund calculation will be performed to determine the amount, if any, of Title IV aid (Pell Grant, SEOG, Stafford loans, Perkins loans) earned by the student for their attendance up to the date of withdrawal.

The withdrawal process begins with the completion of an official Petition to Withdraw form that is available in the Office of Admissions. Please refer to the Academic section of this catalog for further details of the process.

Unofficial withdrawals encompass those students who fail to initiate and/or complete the official withdrawal process as noted above.

Ceasing to attend class without proper notification to the Office of Admissions or the Office of the University Registrar will result in an unofficial withdrawal and a refund calculation will be performed to determine the amount of Title IV aid earned and the amount to be returned to the Title IV programs. The student is responsible for any resulting balance owed to the University.

All students who borrow federal student loans and cease at least half-time attendance at the University are required to complete exit counseling at www.studentloans.gov.

Satisfactory Academic Progress - Undergraduate Students

Federal regulations require California Baptist University to establish, publish, and apply standards of Satisfactory Academic Progress (SAP) for financial aid eligibility. The purpose of measuring and enforcing these standards is to ensure financial aid recipients' progress towards graduation. Students who fail to meet the satisfactory academic progress requirements become ineligible to receive financial aid until they are in compliance with these requirements. To be eligible for financial aid, a student must be in good academic standing, making satisfactory progress toward the completion of a certificate or degree, within a maximum time frame. Students are evaluated annually following the Spring semester of the academic year to ensure the minimum standards are met. Students failing to meet the minimum standards will progress through the aid statuses defined as follows:

Financial Aid Suspension

Status assigned to a student who fails to make Satisfactory Academic Progress by the end of the academic year. The student is no longer eligible to receive financial aid. The student has the right to appeal the suspension. Aid is terminated until student's written appeal is submitted and approved.

Financial Aid Probation

Status assigned to a student who received a Financial Aid Suspension and submitted an appeal which has been approved for a term of Financial Aid Probation. The student's aid will be reinstated for the probationary term. The student must complete their probationary term successfully or their aid will be terminated.

It is the responsibility of the student to notify the Financial Aid Office of any status changes, grade changes, summer or winter term classes. If a student has a grade change or takes summer or winter term classes the student must notify the Financial Aid Office. Once the Financial Aid Office has been notified and the student has provided appropriate documentation, the Financial Aid Office can review and reassess the student's financial aid eligibility and Satisfactory Academic Progress status. If a student proves to be meeting Satisfactory Academic Progress due to additional degree applicable classes or grade change the student will no longer be subject to SAP and their financial aid will be reinstated. The Financial Aid Suspension status will become void for the term in these situations.

Measure of Progress

Qualitative Measure

Students must maintain a minimum cumulative grade-point average (GPA) of 2.0. GPA's are reviewed at the end of the academic year. Students failing to achieve a minimum 2.0 GPA are given a Financial Aid Suspension status. The student is eligible to appeal the suspension.

If the appeal is approved, the student must continue to earn a minimum 2.0 session GPA to continue making satisfactory progress toward a cumulative 2.0 GPA. A 2.0 session GPA is the minimum standard measurement for continuing progress. The student will need to earn higher than 2.0 session GPA(s) to correct deficiency.

Students on Financial Aid Probation failing to earn the minimum 2.0 session GPA will be returned to a Financial Aid Suspension status. The student will not be eligible to receive financial aid until the cumulative GPA is raised to a 2.0

Quantitative Measure

Student must successfully complete a minimum of 67 percent of units in which they enroll. Unit completion is reviewed at the end of the academic year.

Grades of F, W (Withdraw), I (Incomplete), and SP (Satisfactory Progress) do not demonstrate satisfactory course completion. Challenge exams and audited courses are not considered. Transfer credit that has been officially accepted to complete program requirements will demonstrate satisfactory course completion for quantitative measure (unit requirement) of Satisfactory Academic Progress, but will not figure into the 2.0 GPA qualitative measure requirement of Satisfactory Academic Progress.

Students initially failing to complete 67 percent of their enrolled cumulative units will be given a Financial Suspension. The student is eligible to appeal the suspension.

If the appeal is approved, the student is placed on Financial Aid Probation and must continue making satisfactory progress in each subsequent term according to a specific plan of action determined for the student to reach the minimum qualitative requirement of 67 percent. The student must complete all units attempted within the subsequent term with a minimum GPA of 2.0.

Students on Financial Aid Probation failing to achieve prescribed unit requirement plan in a subsequent term will be given a Financial Aid Suspension. The student will not be eligible to receive financial aid until the successful completion of 67 percent of enrolled unit requirement is achieved.

Maximum Time Frame Measure

Students are expected to complete their degree within a reasonable time frame. Programs of study, must be no longer than 150 percent of published length of educational program. The measurement begins from the date of the initial enrollment in the student's program.

Readmitting Students

A readmit student that does not have the minimum GPA for their program will need to refer to the Satisfactory Academic Progress - Traditional Undergraduate Students, portion of this catalog. Students may need to submit a written appeal for approval of a term of Financial Aid Probation. Once the student's written appeal is submitted and approved the student's aid will be reinstated for the probationary term.

Withdrawals and Cancellations

Withdrawal from the semester after the first day of classes counts as a semester attended when determining overall maximum unit completion and minimum unit completion, unless the student does not attend any classes for the given semester and receives a 100% refund of all fees. Cancellation of registration on or before the first day of classes does not count as a semester attended when determining maximum unit completion and minimum unit completion. Students must complete their exit counseling at www.studentloans.gov upon ceasing attendance between terms.

Repeated Courses

Financial aid will be given for the course in which a student has not received a passing grade. Once a student has passed the course, they may receive financial aid for only one retake of that course. A second or subsequent repetition of a passed course will not count toward the student enrollment status for financial aid purposes.

Concurrent Enrollment

Students attending California Baptist University and another college or university concurrently are eligible for aid based on the coursework and GPA acquired at CBU only.

Leave of Absence

If a student is approved for a Leave of Absence during the academic year, it is the student's responsibility to meet with the financial aid office to adjust aid appropriately. If the student has borrowed Federal Direct Loans, students will go into repayment after six months of less than half time enrollment. Students must complete their exit counseling at www.studentloans.gov upon ceasing attendance between terms.

Unusual Enrollment History

The U.S. Department of Education has made efforts to prevent fraud and abuse in the Federal Pell Grant and Student Loan Program by identifying students with an unusual enrollment history (UEH). A UEH Flag indicates whether the student has an unusual enrollment history with regard to receiving Pell Grant funds and or Direct Loans and is intended to address possible fraud and abuse in the title IV student aid programs. ALL UEH flags must be reviewed by the University before a student can receive any Federal Student Aid. The University must review ALL UEH student's Official Transcripts from all schools that they have attended over the past four years, and in some cases may go back further, before a student is cleared to receive any Federal student aid.

The specific enrollment pattern of concern to the U.S. Department of Education is where the student attends an institution long enough to receive Title IV credit balance funds, leaves without completing the enrollment period, enrolls at another institution, and repeats the pattern of remaining just long enough to collect another Title IV credit balance without having earned any academic credit.

Some students who have an unusual enrollment history have legitimate reasons for enrollment at multiple institutions. However, such an enrollment history requires a review to determine whether there are valid reasons for the unusual enrollment history.

Appeal Process

Before filing an appeal for reinstatement of financial aid, it is important that students seek assistance from an Academic Advisor or One-Stop Student Service Advisor to explore ways of eliminating unit deficiencies and to establish a

realistic plan towards graduation. At the time of termination, the Financial Aid Office will provide the student with instructions on how to appeal. A copy of the appeal form can be obtained from the Financial Aid Office. When filing an appeal, please provide a full explanation, along with documentation, verifying the circumstances that led to the inability to meet the minimum progress requirements. It is important that a definite plan towards graduation is established. An Academic Success Plan should be completed with the assistance of an Academic Advisor or One-Stop Student Service Advisor and submitted along with the letter of appeal. Should the appeal be approved, it is important that the Academic Success Plan be realistic as the ability to adhere to the plan will be closely monitored. Failure to follow the courses and units outlined may be used as a basis for future denial of financial aid.

If the Appeal is Denied

Students that do not have their appeals approved will receive information regarding other alternatives available to them. Some options include:

- Continuing enrollment at CBU without any financial assistance

- Continuing enrollment at CBU with the assistance of private loans. The Financial Aid Office can provide the student with information on these loans.

- Taking a leave of absence from CBU to make up a portion or all of the deficient units at a Community College. In this case a student will have to file an additional appeal to have aid reinstated once the student has completed the required units and demonstrated the ability to continue at CBU without incurring any additional deficiencies. The Financial Aid Office recommends that the student speak with Academic Advising to ensure that any classes taken elsewhere will count towards the student's program.

Institutional Financial Aid Programs for Online and Professional Studies Students

Common Requirements for Institutional Programs

With regard to institutional financial assistance, the following common requirements have been established for all students enrolled in Online and Professional Studies:

- All scholarships are applied directly to a student's account. No cash distributions are made directly to the scholarship recipient. Scholarships are not transferable to any student other than the recipient.

- In order to maintain aid eligibility, students receiving any financial aid must maintain satisfactory academic progress, as stated in this catalog.

- Institutional scholarships are limited and may not be awarded if all available funds have been appropriated.

- Students must submit all requested documents two weeks prior to the end of each Fall semester, Spring semester, and Summer semester.

- All awards are based on full-time enrollment of 12 units per semester or session. Students enrolled for less than 12 units are eligible to receive aid, prorated accordingly.

- All institutional aid is tuition-based. If a student receives additional non-institutional tuition-based aid (such as Cal Grant), the amount of tuition-based aid may need to be reduced so the total tuition-based aid does not exceed the cost of tuition.

Institutional Financial Aid Programs for Traditional Undergraduate Students

Common Requirements for all Institutional Aid

Students applying for institutional aid must apply for other forms of grant-based aid available through federal and state programs.

Institutional aid is applied to tuition, fees, and on-campus room and board charges only. Institutional aid consists of grants from California Baptist University and is not to exceed the total cost of tuition, fees, and on-campus room and board.

Institutional aid is applied directly to a student's account. No cash distributions are made directly to the recipients. Institutional aid is not transferable to students other than the recipient.

Institutional aid recipients must maintain at least half-time enrollment in order to remain eligible. For financial aid purposes, half-time enrollment is defined as six (6) units. Institutional aid will be prorated to the enrollment status.

Unmarried students under 21 years of age who receive \$8,500 or more institutional scholarships are required to reside in campus housing or with their parents/legal guardians. This policy does not apply to recipients of the Church-Related Vocation Scholarship.

Students receiving institutional aid must maintain satisfactory academic progress as stated in this catalog. Students receiving participation scholarships may remain eligible at the discretion of the department.

Institutional aid is coordinated and adjusted with other forms of aid and cannot exceed a student's direct cost. If a student is a Cal Grant recipient, institutional aid cannot exceed the student's calculated need per California Student Aid Commission policy.

Institutional aid may not be applied to travel/study abroad programs conducted by the University. This does not include the field practicum requirement for Intercultural Studies.

Students concurrently enrolled in other institutions are eligible for California Baptist University institutional aid based only on the units being taken at CBU.

General Institutional aid is awarded for the Fall and Spring Semesters only, unless otherwise indicated.

Individual departments may award scholarships for Fall, Spring, or Summer. Eligibility requirements, semesters of availability and amount of aid offered is at the discretion of the department. Students receiving "tuition discount," through their Memorandum of Understanding (MOU) cannot get other institutional aid. Students can only receive the MOU or institutional aid, whichever is greater.

Academic Scholarships - Traditional Programs

Merit Scholarships

Award amounts are listed for student enrolling for the first time at California Baptist University. Merit scholarship policy is established and approved at the highest administrative levels of the university and the scholarships are awarded yearly by entering class. Please note a merit scholarship will never increase for a current student based upon an increased grade point average or increased scholarship amounts of a new entering class. A merit scholarship will remain the same (or lowered by the grace provision) for the student's entire time at the university. Please refer to previous catalogs for scholarship and grant information for enrollment that began prior to this catalog year.

California Baptist University Grant

Description

- The CBU Grant program is a merit and need-based grant offered to traditional undergraduate students.

Eligibility/Award

- Students are eligible to receive \$2,000 per semester if financial need is determined and a cumulative GPA is a 2.0 or higher.
- Students must demonstrate need (as determined by the results of the FAFSA) to be eligible. This grant is available to new and continuing undergraduate traditional students. The grant is renewable dependent upon meeting eligibility requirements and availability of funds.
- The CBU Grant is coordinated with all other sources of aid and is subject to reduction based upon other aid sources received prior to and during the course of the academic year.

Procedure

- Potential recipients should complete the FAFSA and turn in all requested financial aid paperwork to the Financial Aid Office.

Director's Scholarship

Eligibility

- The Director's Scholarship is a merit-based scholarship designed to attract and retain students of exceptional academic ability.
- The scholarship is available only to entering freshmen
- The recipient must have earned a cumulative high school grade point average (GPA) of at least 3.0 on a 4.0 scale in a college preparatory program and a minimum SAT score of 990 or ACT composite score of 19.
- The scholarship is renewable annually provided a minimum 2.75 cumulative GPA is maintained.
- Should the cumulative GPA drop below this requirement, the recipient will be given one probationary semester to restore the cumulative GPA to the minimum level.
- Should the cumulative GPA drop below the minimum requirement, the recipient will be notified at the beginning of the spring semester that they must restore the GPA to the minimum level by the end of the current academic year. Students may enroll in the summer session in order to restore the required GPA. It is the responsibility of the student to provide the Financial Aid Office a copy of their summer grades prior to the start of the fall semester in order to reinstate eligibility for the subsequent year.

Award

- A recipient may receive up to \$ 3,750 per semester for the Fall and Spring Semesters
- Scholarships will be awarded initially upon approval from the Admissions Office and are renewable annually as long as eligibility is maintained.

Dean's Scholarship

Eligibility

- The Dean's Scholarship is a merit-based scholarship designed to attract and retain students of exceptional academic ability.
- The scholarship is available only to entering freshmen.
- The recipient must have earned a cumulative high school grade point average (GPA) of at least 3.3 on a 4.0 scale in a college preparatory program and a minimum SAT score of 1020 or ACT composite score of 21.
- The scholarship is renewable annually provided a minimum 3.0 cumulative GPA is maintained.
- Should the cumulative GPA drop below this requirement, the recipient will be given one probationary semester to restore the cumulative GPA to the minimum level.
- Should the cumulative GPA drop below this requirement, the recipient will be notified at the beginning of the spring semester that they must restore the GPA to the minimum level by the end of the current academic year. Students may enroll in summer sessions in order to restore the required GPA. It is the responsibility of the student to provide the Financial Aid Office a copy of their summer grades prior to the start of the fall semester in order to reinstate eligibility for the subsequent year.
- Should the student lose eligibility for the Dean's Scholarship but still maintain eligibility for the Director's Scholarship, the student may change academic scholarship status. Once the Dean's scholarship is lost, it cannot be restored.

Award

- A recipient may receive up to \$5,750 per semester for the Fall and Spring semesters.
- Scholarships will be awarded initially upon approval from the Admissions Office and are renewable annually as long as eligibility is maintained.

President's Scholarship

Eligibility

- The President's Scholarship is a merit-based scholarship designed to attract and retain students of exceptional academic ability.
- The scholarship is available only to entering freshmen.
- The recipient must have earned a cumulative high school grade point average (GPA) of at least 3.75 on a 4.0 scale in a college preparatory program and a minimum SAT score of 1100 or ACT composite score of 24.
- The scholarship is renewable annually provided a minimum 3.2 cumulative GPA is maintained.
- Should the cumulative GPA drop below this requirement, the recipient will be given one probationary semester to restore the GPA to the minimum level.

- Should the cumulative GPA drop below this requirement, the recipient will be notified at the beginning of the spring semester that they must restore the GPA to the minimum level by the end of the current academic year. Students may enroll in summer sessions in order to restore the required GPA. It is the responsibility of the student to provide the Financial Aid Office a copy of their summer grades prior to the start of the fall semester in order to reinstate eligibility for the subsequent year.
- Should the student lose eligibility for the President's Scholarship, but still maintain eligibility for the Dean's or Director's Scholarship, the student may change academic scholarship status. Once President's Scholarship status is lost, it cannot be restored.

Award

- A recipient may receive up to \$6,250 per semester for the Fall and Spring semesters.
- Scholarships will be awarded initially upon approval from the Admissions Office and are renewable annually as long as eligibility is maintained.

Trustee's Scholarship

Eligibility

- The Trustee's Scholarship is a merit-based scholarship designed to attract and retain students of exceptional academic ability. The scholarship is available only to entering freshmen.
- The recipient must have earned a cumulative high school grade point average (GPA) of 4.0 and above on a 4.0 scale, in a college preparatory program, and a minimum SAT score of 1200 or ACT composite score of 25.
- The scholarship is renewable annually provided a minimum 3.5 cumulative GPA is maintained.
- Should the cumulative GPA drop below this requirement, the recipient will be given one probationary semester to restore the GPA to the minimum level.
- Should the cumulative GPA drop below this requirement, the recipient will be notified at the beginning of the spring semester that they must restore the cumulative GPA to the minimum level by the end of the current academic year. Students may enroll in summer sessions in order to restore the required GPA. It is the responsibility of the student to provide the Financial Aid Office a copy of their summer grades prior to the start of the fall semester in order to reinstate eligibility for the subsequent year.
- Should the student lose eligibility for the Trustee's Scholarship, but still maintain eligibility for the President's, Dean's, or Director's Scholarship, the student may change academic scholarship status. Once the Trustee's Scholarship status is lost, it cannot be restored.

Award

- A recipient may receive up to \$6,750 per semester for the Fall and Spring semesters.

- Scholarships will be awarded initially upon approval from the Admissions Office and are renewable annually as long as eligibility is maintained.

Transfer BLUE Scholarship

Eligibility

- The Transfer BLUE Scholarship is a merit-based scholarship designed to attract and retain students of exceptional academic ability.
- The scholarship is available only to incoming transfer students who have completed 24 or more units from a regionally accredited university.
- The recipient must have earned a college cumulative grade point average (GPA) of at least 3.0 or above.
- The scholarship is renewable annually provided a minimum 3.0 GPA is maintained.
- Should the cumulative GPA drop below this requirement, the recipient will be given one probationary semester to restore the GPA to the minimum level.
- Should the cumulative GPA drop below this requirement, the recipient will be notified at the beginning of the Spring semester that they must restore the cumulative GPA to the minimum level by the end of the current academic year. Students may enroll in summer sessions in order to restore the required GPA. It is the responsibility of the student to provide the Financial Aid Office a copy of their summer grades in order to reinstate eligibility for the subsequent year.
- Once the Transfer BLUE Scholarship status is lost it cannot be restored.

Award

- A recipient may receive up to \$3,750 per semester for the Fall and Spring semesters.
- Scholarships will be awarded initially upon approval from the Admissions Office and are renewable annually as long as eligibility is maintained.

Transfer GOLD Scholarship

Eligibility

- The Transfer GOLD Scholarship is a merit-based scholarship designed to attract and retain students of exceptional academic ability.
- The scholarship is available only to incoming transfer students who have completed 24 or more units from a regionally accredited university.
- The recipient must have earned a college cumulative grade point average (GPA) of at least 3.5 or above.
- The scholarship is renewable annually provided a minimum 3.2 GPA is maintained.
- Should the cumulative GPA drop below this requirement, the recipient will be given one probationary semester to restore the GPA to the minimum level.

- Should the cumulative GPA drop below this requirement, the recipient will be notified at the beginning of the Spring semester that they must restore the cumulative GPA to the minimum level by the end of the current academic year. Students may enroll in summer sessions in order to restore the required GPA. It is the responsibility of the student to provide the Financial Aid Office a copy of their summer grades in order to reinstate eligibility for the subsequent year.
- Should the student lose eligibility for the Transfer GOLD Scholarship, but maintain eligibility for the Transfer BLUE Scholarship the student may change academic scholarship status. Once the Transfer GOLD Scholarship status is lost it cannot be restored.

Award

- A recipient may receive up to \$4,750 per semester for the Fall and Spring semesters.
- Scholarships will be awarded initially upon approval from the Admissions Office and are renewable annually as long as eligibility is maintained.

Participant Scholarships - Traditional Programs

Architecture Scholarship

Description

- The Architecture Scholarship is designed for students who are serious about pursuing architecture.

Award

- Award amounts are determined by the College of Architecture, Visual Arts, and Design.

Procedure

- Potential recipients should apply directly with the College of Architecture, Visual Arts, and Design.

Athletic Scholarship

Description

- The Athletic Scholarship is designed to assist students who have been chosen to represent the University on one of the intercollegiate athletic teams.

Eligibility

- A recipient must be selected for participation on one of the University's athletic teams.
- A recipient must meet eligibility requirements of the National Collegiate Athletic Association (NCAA), The Pacific West Conference, and institutional policy.
- A recipient must sign a participant agreement and an Athletic Grant In Aid Form with the University.

Award

- A recipient may receive up to full tuition, required fees, room, and board per semester for the Fall and Spring semesters.
- Scholarships will be accepted by signature of an Athletic Grant In Aid Form.
- Scholarships are awarded in accordance with NCAA and institutional bylaws, regulations, and policies.

Procedure

- Potential recipients should apply directly with the Athletic Department. If the student is offered a scholarship, they will receive a letter from the Financial Aid Office.

Bachelor of Applied Theology Scholarship

Description

- The Bachelor of Applied Theology (BAT) Scholarship is designed to assist students that are preparing to be pastors and church leaders.

Eligibility

- Student must apply and be accepted to the BAT program.
- Students must sign the program contract with the School of Christian Ministries.
- Student must complete a FAFSA.

Award

- The award varies each year as approved by the Dean of the School of Christian Ministries and by the President of the University.
- BAT scholarship recipients are eligible to receive VA Yellow Ribbon.
- BAT scholarship recipients are eligible to receive participation-based scholarships.
- BAT scholarship recipients are eligible to receive donor scholarships.
- BAT scholarship recipients are not eligible to receive other institutional aid.

Procedure

- Applicants should apply directly with the School of Christian Ministries.

College of Health Science Scholarship

Description

- The College of Health Science Scholarships are designed to assist students who plan to major in Communication Science and Disorders, Clinical Health Science, Health Education, Health Science, Healthcare Administration, Kinesiology and Pre-Physical Therapy.
- Current scholarships available: College of Health Science Scholarship, Clinical Health Science Scholarship, Department of Public Health Sciences Scholarship.

Eligibility

- Recipients are selected by the College of Allied Health in the spring and summer prior to the award year.
- Students must be enrolled in a minimum of 15 units per semester, including a minimum of 2 courses per academic year that are listed as a requirement within the respective College of Allied Health major.

Award

- Recipients may receive up to \$2,000 per year divided evenly for the Fall and Spring semesters. Scholarships are renewable each year, but satisfactory academic progress must be maintained to qualify for scholarship renewal.

Procedure

- Potential recipients should apply directly with the College of Health Science.

Construction Management Scholarship

Description

- The Construction Management Scholarship is designed to attract and assist students who plan to major in Construction Management.

Eligibility

- Recipients are selected by the College of Engineering in the spring and summer prior to the award year and must be a declared Construction Management Major. Students

must also be enrolled in a minimum of 15 units per semester. Their enrollment must consist of a minimum of two courses per academic year that are listed as required courses for the Construction Management major in the University catalog.

Award

- Recipients may receive up to \$2,500 per semester for the Fall and Spring semesters. The scholarships are typically renewable based on academic standing.

Procedure

- Potential recipients should apply directly with the College of Engineering.

Engineering Scholarship

Description

- The Engineering Scholarship is designed to attract and assist students who plan to major in engineering.

Eligibility

- Recipients are selected by the College of Engineering in the spring and summer prior to the award year. Most of the scholarships are awarded for academic achievement prior to coming to CBU based on transcripts, and SAT or ACT scores.

Award

- The award amount varies each year as approved by the Dean of the School of Engineering. The scholarships are typically renewable provided students take and achieve a B- or better in all courses required for engineering each semester.

Procedure

- Potential recipients should apply directly with the College of Engineering.

Graphic Design Scholarship

Description

- The Graphic Design Scholarship is designed for students who are serious about pursuing art.

Award

- Award amounts are determined by the College of Architecture, Visual Arts, and Design.

Procedure

- Potential recipients should apply directly with the College of Architecture, Visual Arts, and Design.

Journalism and Speech/Debate Scholarship

Description

- The Journalism and Speech/Debate Scholarship is designed to attract and assist students who have been selected for participation in journalism or speech and debate.
- A recipient must be selected by the Communication Arts Department for participation in the publication of The Banner Student Newspaper, The Angelos Yearbook, or the Forensic Speech and Debate Team.

Award

- The award amount varies each year as approved by the department.

Procedure

- Potential recipients should apply directly with the Communication Arts Department.

Music Scholarship

Description

- The Music Scholarship is designed to attract and assist students who have been chosen for participation in one of the University's music performance groups.

Eligibility

- A recipient must be selected by the School of Music for participation in a music performance group or as a staff accompanist. A recipient must sign a contractual agreement with the School of Music.
- Ensemble members or music students receiving a music scholarship are required to make normal academic progress in their academic studies. Normal academic progress is defined as enrolling in and successfully completing the proper sequence of courses listed in the current School of Music Handbook each semester. Students must comply with

departmental procedures and make satisfactory progress toward their degree as reviewed by the School of Music faculty. This review can occur at any point during the semester or academic year.

Award

- Recipients may receive varying amounts for the Fall and Spring semesters.
- Music scholarships are awarded on a semester-by-semester basis only.

Procedure

- Potential recipients should apply directly with the School of Music.

ROTC Room and Board Scholarship

Description

- The Room and Board Scholarship is designed to assist students who receive full tuition scholarships from one of the US Military branches of service.

Eligibility

- Recipients of the Room and Board Scholarship must be recipients of full tuition scholarships provided by the military.
- Applicants must complete a FAFSA to receive the Room and Board Scholarship.

Award

- Recipients will be awarded the amount of a meal plan and semi-private room. When applicable, the total award package, including other federal, state, and institutional aid, may be adjusted to avoid exceeding direct cost.

Procedure

- Interested students should inquire with the office of the Assistant Professor for Military Science to the Office of the Provost.

Theater Arts Scholarship

Description

- The Theater Arts Scholarship is designed to attract and assist students who have been selected for participation in annual drama and theater productions.

- A recipient must be selected by the Communication Arts Department for participation in the major play production (dramatic or technical) or drama ministry teams.

Award

- Award amounts are determined by the Theater Department.

Procedure

- Potential recipients should apply directly with the Communication Arts Department.

Visual Arts Scholarship

Description

- The Art Scholarship is designed for students who are serious about pursuing art.

Award

- Award amounts are determined by the College of Architecture, Visual Arts, and Design.

Procedure

- Potential recipients should apply directly with the College of Architecture, Visual Arts, and Design.

Other Scholarships

Church-Related Vocation (CRV) Scholarship

Description

- The Church-Related Vocation (CRV) Scholarship is designed to assist students who are preparing for a vocation as a minister.

Eligibility

- The recipient must be a Southern Baptist student preparing for vocational ministry as a minister of education, music, children, youth, pastor, missionary, or denominational minister through the Southern Baptist Convention.
- Applicants for the scholarship must be interviewed and recommended by a faculty member of the School of Christian Ministries.

- Recipients must satisfactorily participate in the Supervised Ministry Program for students preparing for ministry in a church-related vocation.
- Recipients must complete at least nine (9) units of upper division coursework within the School of Christian Ministries.
- A local Southern Baptist Church must certify the recipient's status. Satisfactory church attendance and participation are required.
- The scholarship is renewable annually, with approval of the Dean of the School of Christian Ministries.

Award

- Recipients who have earned less than sixty (60) units may receive up to \$750 per semester for the Fall and Spring semesters. Recipients who have earned sixty (60) or more units may receive up to \$1,000 per semester for the Fall and Spring semesters.

Procedure

- Applications are available in the School of Christian Ministries.

International Mission Board Scholarship

Description

- The International Mission Board Scholarship assists the dependent children of missionary families supported by the Southern Baptist Convention International Mission Board.

Eligibility

- The recipient must be the dependent child (as determined by the FAFSA) of a missionary family supported by the Southern Baptist Convention International Mission Board.
- The recipient must be a traditional undergraduate student.
- Recipients must complete the FAFSA each academic year.
- The recipient must maintain Satisfactory Academic Progress.

Award

- Recipients will be awarded 75% of tuition. All other fees, including room and board charges, are the responsibility of the student.
(effective Fall 2019 for new incoming students).
- A recipient is not eligible for any additional institutional aid.
- The scholarship will cover degree applicable courses for the first bachelor's degree.

- If the recipient is a Cal Grant recipient, he or she can receive the scholarship up to direct cost. Direct cost can include room and board.
- International Missions Board Scholarships are awarded during all academic terms: Fall, Spring, and Summer.

Procedure

- Potential recipients should inquire with the Undergraduate Admissions Office.

Minister's Kin Scholarship

Description

- The Minister's Kin Scholarship assists the dependent children of evangelical ministers.

Eligibility

- The recipient must be the dependent child (as determined by the FAFSA) of a minister engaged in full-time service as a pastor, minister of education, music, children, youth, chaplain, missionary appointed by the Southern Baptist North American Mission Board or denominational employee engaged in a full-time vocational ministry. Students receiving a Bachelor's of Applied Theology are not eligible for a Minister's Kin Scholarship.
- The scholarship is renewable annually.

Award

- A recipient may receive up to \$1,625 per semester for the Fall and Spring semesters.

Procedure

- Potential recipients should inquire directly with the Admissions Office.

Multiple Sibling Discount

Description

- The Multiple Sibling Discount is designed to assist dependent students from families with two or more members who are simultaneously attending California Baptist University on a full-time basis.

Eligibility

- Recipients must be immediate members of the same family (siblings) in which two or more family members are currently enrolled at California Baptist University on a full-time basis.
- Online and Professional students are not eligible.
- Siblings must both be dependent students as defined by the FAFSA.

Award

- Recipients receive \$1,000 per semester for the Fall and Spring semesters.

Procedure

- Potential recipients should complete the FAFSA and turn in all required paperwork to the Financial Aid Office. New students should inquire directly with the Admissions Office.

VA Yellow Ribbon Program Scholarship

Description

- The Yellow Ribbon GI Education Enhancement Program is a provision of the Post-9/11 Veterans Education Assistance Act of 2008. The program provides for an agreement between CBU and the Veteran Administration to award scholarships to qualified VA students to fund tuition and fees that exceed benefits available under the Post 9/11 GI Bill (Chapter 33). Under the agreement VA will match CBU's scholarship contribution.

Eligibility

- Student must qualify for the Post-9/11 GI Bill through Veteran's Administration and elect to receive benefits under the Post 9/11 GI Bill program.
- Students must qualify for Yellow Ribbon program benefits as defined by the Post-9/11 GI Bill and Yellow Ribbon GI Education Enhancement Program.

Award

- Recipients may receive varying amounts to be determined by semester enrollment, tuition and fee charges.
- Recipients will be awarded in the current and subsequent academic years in which the university participates in the Yellow Ribbon Program and the student maintains continued enrollment, conduct, and attendance.

Procedure

- Students who qualify for the Post-9/11 GI Bill and the Yellow Ribbon Program as determined by their VA Certificate of Eligibility should apply directly with the Office of the University Registrar.

Federal Financial Aid Programs for Undergraduate Students

Common Requirements for All Federal Programs

All students applying for federal aid must complete a Free Application for Federal Student Aid (FAFSA). It must be valid and have an official EFC.

All federal aid recipients must be a U.S. citizen, permanent resident or eligible non-citizen.

All federal aid recipients must not be in default of a student loan and not owe for an overpayment of any federal educational grant.

All federal aid recipients must maintain satisfactory academic progress according to institutional standards as stated in this catalog.

Students concurrently enrolled at other institutions will only be eligible to receive financial aid for registered units at California Baptist University, unless there is an approved consortium agreement.

Note: Federal programs are subject to change at any time.

Federal Pell Grant

Description

- The federal Pell Grant is a federally-funded, need-based grant available to undergraduate students as determined by the U. S. Department of Education.

Eligibility

- Eligibility for the federal Pell Grant is determined by the federal government according to a formula developed by the U.S. Department of Education and approved annually by Congress.
- Students must submit a FAFSA to determine eligibility. Students will be notified of eligibility via the Student Aid Report (SAR).
- If a student has less than 100% of Pell grant eligibility for the year, then the maximum amount that can be awarded is added to their first term. Any remaining eligible amount is added their subsequent term.
- Students enrolled less than half time may qualify for a portion of their Pell Grant.

Award

- Award amounts vary based on the annual amount approved by Congress and the student's eligibility based on the FAFSA.

Federal Supplemental Educational Opportunity Grant (FSEOG)

Description

- The Federal Supplemental Educational Opportunity Grant is a federally-funded, need-based, campus-based grant designed to supplement other sources of financial aid for students who qualify for additional assistance.

Eligibility

- Eligibility is determined by a student's expected family contribution (EFC). Students with the lowest EFC will be awarded first. Priority will be given to students with completed financial aid files. Availability is limited.

Award

- In general, the award is up to \$1000 per year, divided equally among semesters of enrollment.
- The semester award amount will be prorated for less than full-time enrollment.

Federal Work Study Program

Description

- Federal Work Study (FWS) is a federally-funded, need-based, campus-based work program designed to assist undergraduate and graduate students desiring a job on campus to help earn money for their educational expenses.

Eligibility

- Eligibility is determined by a student's financial need as determined by the results of the FAFSA. Availability is limited.

Award

- FWS funds are not disbursed separately to the student, nor applied to the student's account; they are included in the student's regular paycheck. Work Study awards indicate a maximum amount for which a student is eligible. Student's earnings will be monitored each pay period and counted toward their eligibility.

Procedure

- Students obtain an employment application from Career Services. The application is reviewed by Financial Aid for FWS eligibility. Once employment is obtained, FWS will

be applied. FWS amounts are based on hours worked and financial need as determined by the FAFSA.

Federal Perkins Loan

Description

- The Perkins Loan Extension Act of 2015 amended HEA section 461 of the Higher Education Act of 1965, as amended, to end an institution's authority to make new Perkins Loans to graduate students on September 30, 2016 and to undergraduate students September 30, 2017. While some eligible students were to receive Perkins Loan disbursements through the 2017-2018 award year, "no Perkins Loan disbursements are permitted after June 30, 2018, under any circumstances." (DCL ID: GEN-17-10). As a result, CBU will no longer award Perkins Loans to students.

Federal Direct Loan

Description

- The Federal Direct Loan is a low-interest loan available to students who have financial need as determined by the results of the FAFSA. The loan is made to the student by the US Department of Education through the Direct Loan Program. Students should refer to www.nslds.ed.gov regarding payment details and servicer information for their Direct loan repayments. Interest rates subject to change upon congressional and presidential action.

Federal Subsidized Direct Loan Interest Rates - No interest accrues while the student is enrolled in school at least half-time and repayment begins six months after graduating, leaving school, or dropping below half time enrollment.

Federal Unsubsidized Direct Loan Interest Rates - Interest begins accruing after the first disbursement. The student is responsible for any interest accrued but can defer the interest with the principle of the loan. Unsubsidized loans have a fixed interest rate calculated yearly based upon the ten year Treasury note index, plus an add-on determined by congress. The interest rate is capped at 9.5%.

Eligibility

- Students are allowed subsidized loans for 150% of the published time frame for the program of study, if otherwise eligible.
- Eligibility is determined by a student's financial need and grade level.
- First-time borrowers and transfer students must complete entrance counseling before any funds will be disbursed. Upon withdrawal from the university or graduation, all recipients must also complete exit counseling.
- Funds will be disbursed via EFT (Electronic Funds Transfer).

Award

- See following chart for eligibility amounts.

Annual and Aggregate Loan Limits

Federal Direct Loans

	Dependent Students		Independent Students	
Academic Year	Base Direct Loan Amount	Additional Unsubsidized Loan	Base Direct Amount	Additional Unsubsidized Loan
Annual Limits				
Year 1	\$3,500	\$2,000	\$3,500	\$6,000
Year 2	\$4,500	\$2,000	\$4,500	\$6,000
Year 3, 4, 5	\$5,500	\$2,000	\$5,500	\$7,000
Aggregate Limits				
Undergraduate	\$23,000	\$8,000	\$23,000	\$34,500

Federal Parent Loan for Undergraduate Students (PLUS)

Description

- Federal PLUS loans are available to credit worthy parent borrowers. Loans are made by the U.S. Department of Education. Repayment of PLUS loans begin within 60 days after final disbursement is made to the school unless the borrower requests a loan deferment. Fixed interest rates are determine yearly by Congress, not to exceed 9%. For loans first disbursed on or after July 1, 2017 and before July 1, 2018, the interest rate is 7%.

Eligibility

- Eligibility is dependent upon the amount of other financial aid a student receives. Federal PLUS loans are not need-based; however, when added to the student's financial aid, the total may not exceed the students cost of attendance.

Award

- Under the federal PLUS loan program, a parent may be eligible to borrow up to the difference between university costs and other aid received each academic year.

Note: Additional Direct loans may also be available for dependent students whose parents did not qualify for a PLUS loan. A PLUS application must have been denied by the US Department of Education, prior to a dependent student receiving any additional unsubsidized loan.

State Financial Aid Programs

Common Requirements for State Programs

All students applying for new Cal Grant awards must submit a FAFSA and a GPA verification form by the published deadline (usually March 2). Current Cal Grant recipients must also submit the FAFSA to determine renewal of Cal Grant eligibility.

All students applying for state aid must be U.S. citizens, permanent residents, eligible non-citizens or, eligible AB540 student as determined by the state of California.

All state aid recipients must be residents of California. Until age 18, the student's residency status is determined by that of the parents. After age 18, the student's personal residency must be verified.

All state aid recipients must maintain at least half-time enrollment in order to be eligible to receive Cal Grant. For financial aid purposes, half-time enrollment is defined as six (6) units. Award amounts will be prorated for students enrolled less than full time in any semester or term.

All state aid recipients must not be in default on a student loan and not owe a refund on any state or federal educational grant.

All state aid recipients must make satisfactory academic progress as explained under the Satisfactory Academic Progress section of this catalog.

California Baptist University does not have a mandatory fifth year program.

If a student becomes a Cal Grant recipient, other awarded institutional aid may be reduced to prevent Cal Grant and institutional aid from exceeding demonstrated financial need.

Students concurrently enrolled at other institutions will only be eligible to receive financial aid for registered units at California Baptist University.

AB540 eligible students must complete the Worksheet for California Dream Act by the March 2nd deadline.

Additional documentation may be required. Please visit www.csac.ca.gov for complete details.

Cal Grant A

Description

- The Cal Grant A is a state-funded, need and merit-based grant that provides tuition and fee assistance to eligible students.

Eligibility

- Eligibility is determined by a student's financial need as determined by the results of the FAFSA and cumulative GPA. Please consult the Financial Aid Office for further information regarding eligibility and funding levels.

Award

- Based on eligibility, Cal Grant A funds are awarded for tuition and fees only.
- Amounts are determined annually by the state legislature and administered by the California Student Aid Commission.
- Students interested in pursuing a Teaching Credential may be eligible for a 5th year Teaching Credential extension. Please see the Financial Aid Office for further information.

Cal Grant B

Description

- The Cal Grant B is a state-funded, need-based grant that provides tuition and fee assistance and an access allowance to students from low income families.

Eligibility

- Eligibility is determined by a student's financial need as determined by the results of the FAFSA and cumulative GPA. Please consult the Financial Aid Office for further information regarding eligibility and funding levels.

Award

- Cal Grant B first-year, full-time recipients receive an access allowance only. The access allowance may vary according to state funding levels. In subsequent years, a Cal Grant B recipient enrolled full-time receives tuition and fee assistance in addition to the access allowance. The tuition and fee assistance award may vary according to state funding levels.
- Cal Grant B first-year recipients who are receiving the access portion only may be eligible to receive the CBU Cal B Assistance grant. The CBU Cal B Assistance is awarded only during the first year of a Cal Grant B award and should not exceed \$6,386.
- Amounts are determined annually by the state legislature and administered by the California Student Aid Commission.
- Students have the option to apply the access portion of their Cal Grant B to their outstanding balance on their student account, or, the student can request a personal receipt of the funds prior to the funds disbursing to use for educational purposes such as books and supplies. Students may contact the Financial Aid Office for more information regarding the access portion of their Cal Grant B.

Private Financial Aid Programs

Complete information regarding scholarships listed and other private donor scholarships that are available to current California Baptist University students may be obtained at https://insidecbu.calbaptist.edu/ICS/Financial_Aid.

Student Accounts

Ms. Heidi Pendleton

Director of Student Accounts

Office of Student Accounts

Phone 951.343.4371

FAX 951.343.4515

StudentAccounts@calbaptist.edu

The cost of an education at California Baptist University is among the lowest to be found in accredited, private senior institutions. This is made possible with support from the Cooperative Program of the California Southern Baptist Convention and other gifts and grants.

The Student Account policies in this catalog apply to all eligible students enrolled in Online and Professional Studies Programs. The cost of education at California Baptist University is among the lowest to be found in accredited, private senior institutions. This is made possible with support from the Cooperative Program of the California Southern Baptist Convention and other gifts and grants.

Student Charges in U.S. Dollars

Summary of Direct Costs for a Traditional Undergraduate Student

Full-time Tuition (13-18 units)	\$15,834
Mandatory Fees	905
Room (shared occupancy)	2,930
Board (225 meals, 250 dining dollars)	2,505
Per Semester	22,174
Per Year	44,348

Tuition

Traditional Undergraduate Student Tuition

Fall and Spring Semesters	
Tuition Per Semester (13 - 18 units)	\$15,834
Tuition Per Unit (below 13 units or above 18 units)	1,218
Summer Semester	
Tuition Per Unit (traditional students only)	589
Audit Tuition (per unit)	161

Online and Professional Studies Undergraduate Student Tuition

Online and Professional Studies Student Tuition (per unit)	\$589
RN to BSN Student Tuition (per unit)	589
Prior Learning Portfolio Units (per unit)	183
Audit Tuition (per unit)	161
Continuing Education Tuition (per unit)	Market Rate
Professional Development Tuition (per unit)	Market Rate

Intensive English Program (IEP) Student Tuition

IEP Tuition Per Semester (12 units)	\$5,250
IEP Tuition Per Unit	437.50
Traditional and Online & Professional Studies Courses	Applicable tuition rate

Internship, CBU Study Abroad, and Credit by Exam Units are all charged at the applicable per unit tuition rate based on the student's program.

Graduate students should refer to the Graduate University Catalog for financial information

Non-refundable Fees

(applies to all programs; unless otherwise specified)

Required Student Fees

General Fee - Traditional Program (fall/spring)	
Traditional Students (with 6 or more units)	\$665
Traditional Students (with 5 or less units)	175
General Fee - Online and Professional Studies (per semester)	
Online and Professional Studies (with 6 or more units)	355
Online and Professional Studies (with 5 or less units)	175
General Fee - Intensive English Program (fall/spring)	
IEP Students (with 6 or more units)	665
IEP Students (with 5 or less units)	175
Student Services Fee - Traditional and Intensive English Program (fall/spring)	

On-campus Students (with 6 units or more)	240
Off-campus Students (with 6 units or more)	220
International Students (in addition to student services fee; fall/spring)	300
Student Health Insurance (fall/spring)	
Traditional Student Health Insurance	956
International Student Health Insurance	956
Nursing Student Health Insurance	956
New Student Fee (New Traditional and Intensive English Program)	
Fall	310
Spring	160

Traditional Single Student Housing (per semester)

Housing Reservation Fee	\$100
Shared Occupancy	2,930
Private Occupancy	4,390

Board (Semester Meal Plans)

The following plans are available only to commuters:

Plan A (45 meals; 50 dining dollars)	\$530
Plan B (70 meals; 50 dining dollars)	800
Plan C (90 meals; 100 dining dollars)	1,065

On Campus Residents must select one of the following:

Plan D (135 meals; 150 dining dollars)	1,600
Plan E (155 meals; 200 dining dollars)	1,845
Plan F (180 meals; 200 dining dollars)	2,075
Plan G (200 meals; 250 dining dollars)	2,300
Plan H (225 meals; 250 dining dollars)	2,505
Plan I (250 meals; 250 dining dollars)	2,720
Plan J (275 meals; 250 dining dollars)	2,930

Plan K (300 meals; 250 dining dollars)	3,150
--	-------

Academic Fees

Alternative Chapel Course Fee (GST 050 C)	\$50
---	------

Art Lab Fee (ART 203, 225, 300)	115
---------------------------------	-----

Aviation Lab Fees (per course)

AIS 405	4,000
AMG 330	500
AMG 332	600
DSP 330	150
DSP 497	500
FLT 116	150
FLT 117	9,430
FLT 118	12,410
FLT 119	150
FLT 215	13,400
FLT 216	16,380
FLT 311	150
FLT 313	14,280
FLT 314	13,200
FLT 315	450
FLT 317	14,570
FLT 419	10,875
FLT 422	12,000
FLT 140, 240, 340, 440	1,000
UAS 215	1,000
UAS 315	1,500
UAS 415	1,500

Business Oxford Trip Fee (BUS 398)	4,500
Capstone Reading Fee	250
Catalina Lab (SCI 120 and 412)	420
Clinical Practicum Fee - Allied Health (HSC 495 and KIN 433)	50
Clinical Practicum Fee - Allied Health (CDS 495)	100
Current Events Course Fee (ICS 375)	35
Directed / Independent Study (per unit, in addition to tuition)	275
Exemption by Certification (per Certification)	100
Exemption by Exam Fee (per Exam)	250
Firearms Course Fee (CJS 120)	100
Global Social Service Practicum (BEH 334)	4,100
Graphic Design Course Fee (GDM 110)	300
Kinesiology Lab Fee (KIN 212)	110
Laptop Program	
School of Music Laptop	2,950
School of Music Laptop: *Finance Option	3,600
*A \$900 laptop fee will be assessed for four (4) consecutive semesters.	
Music Private Instruction (per semester)	
1 lesson per week (1/2 hour)	340
2 lessons per week (1 hour)	680
Nursing Application Fee	50
Nursing Equipment Fee (NUR 201)	80
Prior Learning Portfolio Reading Fee (per discipline)	120
Production and Cinematography Course Fee (FLP 170, 360)	150
Program Fees (per fall/spring semester unless otherwise specified)	
	1,250
Architecture	
Computer Science Engineering	440
Construction Management	
Engineering	410
Journalism and New Media	1,280

Nursing	130
Nutrition and Food Science	1,575
For Majors (per semester)	420
For Minors (per semester)	235
Pre-Engineering	440
Science Labs (per lab)	210
Subject Matter Competency Fees:	
CBU Student	110
Non-CBU Student	220
Testing Fee (ANT 440, BEH 480, PSY 440)	25
Theater Lab Fee (THE 113)	65
Theater Lab Fee (THE 313)	90
Uniform Fees (annual)	
University Choir and Orchestra Uniform Fee (MUS 090)	500
Male Chorale Uniform Fee (MUS 092)	500
Women's Choir Uniform Fee (MUS 091)	500
New Song Uniform Fee (MUS 094)	500
Wind Ensemble Uniform Fee (MUS 097)	250

Student Accounts

Semester Payment Plan Enrollment Fee	
Bank Payment or Credit Card (per semester)	\$35
Study Abroad Processing Fee (Non-CBU programs)	280
Late Payment Fee	200
Dishonored Check (per check)	30
Wire Transfer Fee	30

Student Services

ISP Fee (International Service Project)	\$3,500
USP Fee (United States Service Project)	2,300
SOS Fee (Summer of Service Project)	4,700
Lost Key	65

Registrar

Incomplete Fee (per course)	\$45
Graduation Application Fee	175
Late Graduation Application Fee	50
Re-application for Graduation Fee	50
Duplicate Diploma Fee	50
Transcript Fee (per transcript)	10
Transcript Processing Fees	
Rush (same day, per transcript)	35
Next Business Day (per transcript)	15
Faxed Unofficial Transcript (per fax)	15
Transcript Delivery / Mailing Fees	
Electronic Delivery (per transcript)	No Charge
Standard U.S. Mail (per transcript)	2
Standard International Mail (per transcript)	2.10
Express Mailing - Two Day U.S. (per transcript)	25
Express Mailing - Next Day U.S. (per transcript)	30
Express Mailing - International (per transcript)	60
Letter/Enrollment Verification Fee	3

Admissions

Undergraduate	\$45
Re-admission	25
Testing Fee (ACT, Undergraduate)	35

Policy for Student Accounts

All student account charges are due and payable by the Payment Due Date. To maintain enrollment, students must complete payment and agree to the terms and conditions of the Tuition and Fee Agreement, in addition to meeting all academic and standard of conduct requirements. The university expects students to cover all charges for the current semester before advancing to a future semester.

California Baptist University offers three payment options to assist students in covering tuition and fee charges. Students may choose to make a payment, set-up an automatic monthly payment plan, and/or use financial aid to cover their balance. International, Special Admit, and Professional Development Students are required to pay their balance in full each semester by the payment due date.

Students who remain enrolled past the last day to drop with refund are obligated to cover all charges incurred in accordance with the Policy for Refund of Tuition, Fees, Room, and Board Charges. If a balance exists, a hold will be placed on the student account preventing release of diploma, transcripts, and future registration until the balance is paid in full with verified funds.

Payment Due Dates

All students should pay their balance by close of business day on the Payment Due Date to avoid a Late Payment Fee.

Semester	Payment Due Date
Fall 2018	Wednesday, August 8, 2018
Spring 2019	Thursday, January 3, 2019
Summer 2019	Monday, May 6, 2019

University Approved Payment Options

Option 1 (Student Account Payment)

California Baptist University accepts the following forms of payment:

Online Payments - Bank payments and credit card payments are accepted online through InsideCBU at no additional charge. Visa, MasterCard, American Express, and Discover are accepted. Foreign Currency Payments processed by Western Union Business Solutions are also accepted online.

Check Payments - Check payments can be made in the Student Accounts Office or mailed to California Baptist University, Attention: Student Accounts, 8432 Magnolia Avenue, Riverside, CA 92504. The student ID number should be listed on the check. All student account payments must be received in the Student Accounts Office by the Payment Due Date.

Option 2 (Automatic Monthly Payment Plan)

The monthly payment plan enables students to pay all or part of their semester charges in four monthly installments without interest. Payments are automatically processed on the 5th or 20th of the month as selected at the time of enrollment. A \$35 per semester enrollment fee is required. Re-enrollment by the Payment Due Date is required each semester. A Late Payment Fee will apply if the first monthly payment transaction is not successful for any reason. Please see the InsideCBU Student Accounts tab for more information.

Option 3 (Financial Aid)

Financial aid includes scholarships, grants, federal loans, and alternative loans. Students are encouraged to register and meet all financial aid requirements at their earliest opportunity. Financial Aid must be accepted by close of business day on the Payment Due Date. Please see the financial aid section of this catalog for more information.

Tuition and Fee Agreement

All students are required to submit a Tuition and Fee Agreement electronically through InsideCBU. The agreement outlines the student's financial responsibility for covering all student account charges. Students are encouraged to read through the agreement and contact the Student Accounts Office with any questions prior to submission.

Delinquent Accounts

All student account charges are due and payable by the payment due date. Failure to make payments of any indebtedness to the University when due, including, but not limited to, tuition, housing or rental charges, student loans, laptop fees, special fees, library or parking fines, is considered sufficient cause, until the debt is settled with verified funds, to bar the student from classes, to record no grades on transcript, to withhold diploma or transcript of records, to dismiss the student, and to hold all records as the University deems necessary. At the completion of each semester, accounts with an outstanding balance are considered delinquent. Interest is charged on all delinquent accounts at a rate of .03% computed daily or 10% per year. In the event an account is turned over to a collection service, the cost of the service and reasonable attorneys' fees will be added to the account. Returning students will not be permitted to register for classes if a balance appears on their account..

Policy for Refund of Tuition, Fees, Room and Board Charges

The Student Accounts Office will automatically process tuition refunds for all eligible students. Tuition refunds are calculated from the date of official withdrawal. A withdrawal is considered official when a completed Petition to Withdraw Form has been submitted to the Admissions Office and processed by the Office of the University Registrar, Financial Aid, and Student Accounts.

Ceasing to attend does not constitute an official withdrawal from a course or from the University. However, a Title IV-unofficial withdraw may be processed, as required per federal regulations, which may necessitate the return of federal financial aid.

Refer to the Financial Aid and Academic Information sections in this catalog for additional information regarding withdrawals.

Tuition, room, and board charges may be refunded or credited per the following schedules:

Traditional Undergraduate Program

Tuition

Withdrawal from a Course

Within add/drop period	A student may drop from a course and receive a full credit of tuition. No mark will appear on the transcript and no charge is incurred.
------------------------	---

Within withdrawal period	A student may withdraw from a course. However, there will be no credit of tuition, and a "W" will appear on the transcript.
--------------------------	---

Withdrawal from the University (Traditional 16 week courses)

A student withdrawing from the University during the semester may receive a credit on tuition (room and board not included) according to the following schedule:

Within the first two weeks after semester begins	100%
Within the third week after semester begins	75%
Within the fourth week after semester begins	50%
Within the fifth through eighth week after semester begins	25%
After the eighth week of the semester	No refund

Completion of even one course in a session will make a student ineligible for withdrawal from the University for that semester.

Refer to the University Calendar and course schedule for add/drop and withdrawal dates. Course schedules may be obtained at www.calbaptist.edu/schedules.

Online and Professional Studies

Tuition

Withdrawal from a Course

Within add/drop period	A student may drop from a course and receive a full credit of tuition. No mark will appear on the transcript and no charge is incurred.
Within withdrawal period	A student may withdraw from a course. However, there will be no credit of tuition, and a "W" will appear on the transcript.

Withdrawal from the University (Degree Completion 8 week courses)

A student withdrawing from the University during the semester may receive a credit on tuition (room and board not included) according to the following schedule:

Within add/drop period	100%
After add/drop period	No refund

Completion of even one course in a semester will make a student ineligible for withdrawal from the University for that semester.

Refer to the University Calendar and course schedule for add/drop and withdrawal dates. Course schedules may be obtained at www.calbaptist.edu/schedules.

Room and Board

These charges may be refunded or credited on a prorated basis upon approval of a written appeal. Appeals must indicate extenuating circumstances and be submitted to the Residence Life Office and/or University Card Services Office.

Other Policies

Repayment of Financial Aid

See "Withdrawal from the University" under Financial Aid for a complete discussion.

Policy for Student Organization Funds

All student organization funds must be deposited with the University. The University disburses funds through the normal requisition process. All requisitions must have the signature of the organization's advisor and the Vice President for Student Services. Proceeds from the sale of yearbook advertising and school newspaper advertising must be handled through the Student Accounts Office. No organization or club is permitted to solicit advertising or contributions without the written permission of the University administration.

The University reserves the right, with or without notice, to change fees and charges when necessary.

Academic Information

- Graduation Requirements
- Academic Policies
- Attendance and Withdrawal Policies
- Other Academic Information

Graduation Requirements

Graduation Under a Particular Catalog

Students must adhere to graduation requirements listed in the catalog in effect at the time of matriculation. A student may choose to use any newer catalog, provided that the catalog used is not expired. The catalog remains in effect for the student until degree completion or catalog expiration at the end of five years for bachelor and master students and seven years for doctorate students. All students who are re-admitted to programs at California Baptist University after officially or unofficially withdrawing, or any lapse of enrollment of more than one semester, will be placed under the catalog current at the time of re-admission, and will be subject to the degree requirements outlined in that catalog. The University is not responsible for providing courses or programs which have been discontinued.

Continuation under the catalog holds ONLY degree requirements; it does NOT hold policies, tuition and fees, and other information which may change annually. It is the responsibility of the student to attend to changes in policies, tuition and fees and other information. Updates regarding current policies, tuition and fees and other information is available from Academic Advising, Office of the University Registrar, Student Accounts, Student Services and other University offices.

Scholastic Requirements

The completion of the requisite 124 semester units usually requires four years of 31 semester units per year. Of these, the freshman and sophomore years are spent primarily in general education or core curriculum work, comprised of courses in diverse subjects. During the junior and senior years, students may confine their work within comparatively narrow limits. The work for the entire four-year program consists of:

- General Education (competency requirements and breadth curriculum)
- Major and minor coursework
- Elective coursework
- Developmental coursework (if required)

English Proficiency

All students must demonstrate their proficiency in writing standard English. They may do so by earning at least a C- (or demonstrating comparable writing competence) in ENG 113 Composition and earning at least a C- (or demonstrating comparable writing competence) in ENG 123 Intermediate Composition. Students are placed in composition courses based on SAT/ACT scores or previous college transfer coursework. Students wishing to challenge their placement may take an English placement exam one time prior to the last day to add a course in their first semester of enrollment at CBU. No student is eligible to graduate unless the Office of the University Registrar's official records show the English proficiency requirements have been met.

Work in Residence

Students seeking a bachelor degree are required to complete 36 units in residence at California Baptist University. Of the 39 upper-division units required for graduation, at least 30 upper-division units must be taken in residence. Students seeking an associate degree are required to complete 30 units in residence at California Baptist University.

General Education

The General Education curriculum consists of 40-55 units of coursework designed to provide the student with a strong and diverse academic preparation for a major and professional experiences. In keeping with the ideal of a liberal arts education, the general education provides students with a broad exposure to the world of ideas and the arts in order to equip graduates to make substantial contributions within society. Courses are designed to be interdisciplinary and to emphasize a sense of global awareness needed to become leaders in the modern world. In addition, a decidedly Christian perspective is integrated into the requirements, and afford the student an opportunity to develop a Christian worldview.

Majors and Minors

Though a minimum of 39 upper-division units are required for graduation, some majors require less than 39 upper-division units. The additional upper-division units may be taken in the student's major field or in other academic areas. A student may qualify for a minor by using these additional units to meet the requirements for a minor in the field of choice. When completing a major and minor twenty-four (24) units must be unique to the major of which at least eighteen (18) must be upper division and nine (9) upper division units must be unique to the minor. Coursework for credit toward a major, minor, or emphasis must be passed with a minimum grade of C- and an overall average in the major or minor of 2.0 or higher. Certain disciplines may also require a minimum grade of C (2.0) in the lower-division prerequisites. Science courses with virtual labs may not meet major requirements.

Upper Division

Upper division requirements for graduation can only be fulfilled with courses at the 300 and 400 (Junior and Senior) level. Of the 39 upper-division units required for graduation, at least 30 upper-division units must be taken in residence. Lower division units cannot be used to fulfill upper division requirements. Upper division requirements that are variances must be replaced by upper division electives. Students seeking substitutions and exemptions must submit an Academic Variance Form for approval.

Double Major

Students who wish to complete two majors may do so if the following conditions are met:

- Students must complete all of the required courses listed in the catalog for both majors
- Not more than four (4) upper division courses may be common to both majors
- Twenty-four (24) units must be unique to each major, of which at least eighteen (18) units must be upper division.

Second Major

Students who have earned a baccalaureate degree or higher at another institution and wish to complete an additional major at California Baptist University must complete all requirements for the major as listed in the catalog current at the time of admission to the University. The student must complete the regular graduation application process. Students

completing a second major only will receive a certificate of completion. No certificate is granted for an additional minor.

Additional Major or Minor

Students who have earned a baccalaureate degree at California Baptist University may complete an additional major or minor by completing all requirements for the major or minor, as listed in the catalog current at the time of readmission to the University. For an additional major or minor, a minimum of twenty-four (24) units must be unique to the major and at least eighteen (18) units must be upper division. Those who have walked in the graduation ceremony may not participate again in ceremonies upon completion of the additional major or minor. The student must complete the graduation re-application process. Students completing an additional major only will receive a certificate of completion. No certificate is granted for an additional minor.

Second Degree

Students seeking a second baccalaureate degree must complete a minimum of 30 distinct units in a second area of major studies. Twenty-four of these units must be at the upper-division level. A minimum of 154 total units is required for graduation with a double or second degree. All general education (if different from first degree), prerequisites, supporting courses and departmental requirements for each major and degree, including residency must be completed.

Electives

A number of electives may be taken from the regular university courses offered in each department. Students should plan carefully and complete their required work first. Failure to do this may cause students to take more than 124 semester units in order to graduate.

Approval for Graduation

Students should review their InsideCBU degree guide on a regular basis to evaluate progress toward graduation. Student should submit an application for graduation upon successful completion of ninety (90) or more earned units. Students who have submitted an application for graduation will receive a degree evaluation from the Office of the University Registrar. Upon verification of eligibility to graduate a student may participate in ceremonies. Graduation Applications must be submitted by the application deadline or the student will be assessed a Late Graduation Application fee due at the time of application. Applications received after the degree posting date will be required to apply for the next eligible degree date. All candidates for graduation must be recommended by the faculty. Failure to complete degree requirements by the designated posting date may require re-application and an additional fee will be assessed.

Graduation Honors

Honors are awarded according to the following cumulative grade point average: Cum Laude, 3.50; Magna Cum Laude, 3.70; Summa Cum Laude, 3.90. Honors announced at the graduation ceremony represent the cumulative grade point average at the completion of the Spring semester. Degrees and honors awarded in the ceremony are conditional upon completion of all course requirements in accordance with university policies. Post-baccalaureate students (Graduate and Second Major only) are not eligible for graduation honors.

Graduation Check List (Bachelors)

- Complete at least 124 semester units of credit, at least 39 of which must be upper division (300 level and 400 level courses)
- Complete at least 36 units in residence at CBU, at least 30 of which must be upper division (300 level and 400 level course)
- Earn a cumulative grade point average of at least 2.0 overall with no grade below C- in the major field of study
- Complete all general education requirements
- Complete all coursework in a major as selected from the University Catalog
- Complete all coursework for minor or concentration, if applicable
- Complete a graduation application for planned graduation date
- Satisfy all financial obligations
- Be in good academic standing (not suspended or academically disqualified) at the time of completion

Degree Posting Dates

The University posts degrees three times each year, regardless of the specific date all work is completed. All degree requirements must be met prior to the posting date. The three approximate posting dates are at the end of the regular fall semester (last day in December), the end of the regular spring semester (first Friday in May), and the end of the regular summer semester (last day in August). Degrees completed between posting dates will be posted at the next scheduled date.

Once the degree is posted, no changes will be made to the transcript.

Academic Policies

Transfer Restrictions

A maximum of 100 semester units may be accepted in transfer toward fulfilling degree requirements. Within these 100 units, no more than 30 upper division units may be transferred; no more than 70 units may be transferred from a community college. A maximum of 30 semester units is allowable from examinations (AP, CLEP, DANTES, IB). A maximum of 18 units may be accepted in transfer at the lower division level for college transcripted completion of a Basic Peace Officer Standards Training (POST) certificate.

The university will evaluate previous college work to determine its relationship to the requirements of California Baptist University. Only coursework completed with a grade of C- or better will be accepted in transfer. Lower division units and units from institutions that do not offer a baccalaureate degree will not be accepted for upper division credit. California Baptist University does not accept transfer work that was not designated as baccalaureate degree-applicable by the issuing institution.

All coursework completed at other institutions will be computed into the California Baptist University cumulative grade point average regardless of course transferability.

Advanced Placement Credit

Students who score three (3) or higher on an Advanced Placement (AP) exam will receive three units of lower division credit for the equivalent course. AP scores provided below are subject to change. For the most current AP score information contact the Office of the University Registrar. More information about the AP Program is available on the College Board web site at www.apcentral.collegeboard.com.

Advanced Placement Exam	Granting Score	Units Awarded	California Baptist University Requirement
Art, History	3	6	ART 241 & ART 242
Art, Studio: Drawing	3	3	ART 204
Art, Studio: 2-D Drawing	3	3	Visual Art Elective
Art, Studio: 3-D Drawing	3	3	Visual Art Elective
Biology	3	4	BIO 143 & BIO 143L
Chemistry	3	4	CHI 115
Chinese, Language and Culture	3	6	CHI 115 & CHI 125
Computer Science A	3	3	CIS 265
English, Language & Composition	3	3	ENG 113
English, Literature & Composition	3	3	ENG 201
Environmental Science	3	3	Environmental Science Elective(non-lab)
French Language & Culture	3	6	FRE 115 & FRE 125
French Language & Culture	4	6	FRE 125 & FRE 215 (FRE 115 exemption)
French Language & Culture	5	6	FRE 215 & FRE 225 (FRE 115 & FRE 125 exemption)
German Language & Culture	3	6	Foreign Language I & Foreign Language II
Government & Politics, Comparative	3	3	POL 255
Government & Politics, US	3	3	POL 213
History, European	3	3	History Elective
History, US	3	6	HIS 213 & HIS 223
Human Geography	3	3	Elective
Italian, Language and Culture	3	6	Foreign Language I & Foreign Language I
Japanese, Language and Culture	3	6	Foreign Language I & Foreign Language I
Latin, Vergil	3	6	LAT 115 & LAT 125

Macroeconomics	3	3	BUS 218
Mathematics, Calculus AB	3	4	MAT 245 (MAT 115 exemption)
Mathematics, Calculus BC	3	4	MAT 255 (MAT 115 exemption)
Microeconomics	3	3	BUS 217
Music Theory	3	3	MUS 114
Physics 1	3	4	Physics Lab Science
Physics 2	3	4	Physics Lab Science
Physics C: Electricity & Magnetism	3	4	Physics Lab Science
Physics C: Electricity & Magnetism	4	4	PHY 203
Physics C: Mechanics	3	4	Physics Lab Science
Physics C: Mechanics	4	4	PHY 201
Psychology	3	3	PSY 213
Spanish, Language & Culture	3	6	SPA 115 & SPA 125
Spanish, Language & Culture	4	6	SPA 125 & SPA 213 (SPA 115 exemption)
Spanish, Language & Culture	5	6	SPA 213 & SPA 223 (SPA 115 & SPA 125 exemption)
Spanish, Literature	3	3	Elective
Statistics	3	3	STA 144 (MAT 115 exemption)
World History	3	3	History Elective

College Level Examination Program (CLEP) and DSST

Students wishing to receive credit for CLEP or DANTES Single Subject Tests (DSST) examinations must provide to the university an official transcript issued by the College Board or by DSST. It is the student's responsibility to seek clarification of degree requirements before taking an examination. Examinations may not be repeated within six months of the testing date. Additional information about acceptable CLEP and DSST exams and scores is available on InsideCBU.

CLEP scores provided below are subject to change. For the most current CLEP score information contact the Office of the University Registrar. Check the CLEP web site at www.collegeboard.com/clep for testing locations.

CLEP Examination	Granting Score	Units Awarded	California Baptist University Requirement
Accounting, Financial	50	3	ACC 250
American Government	50	3	POL 213

American Literature	50	6	ENG 233 & ENG 243
Analyzing & Interpreting Literature	50	6	English Elective (not ENG 113 or ENG 123)
Biology	50	6	BIO 143 (lecture only; non-lab) & Biology Elective
Business Law, Introductory (Not be taken by students who have received credit for BUS 358)	50	3	Elective
Calculus	50	3	MAT 245 (MAT 115 exemption)
Chemistry	50	3	Chemistry Elective (lecture only; non-lab)
College Algebra	50	3	Math Elective (MAT 115 exemption)
College Composition	50	3	ENG 113
College Composition Modular	50	3	ENG 113
College Mathematics	50	6	Math Competency
English Literature	50	6	ENG 213 & ENG 223
French Language	50	6	FRE 115 & FRE 125
French Language	59	6	FRE 215 & FRE 225 (FRE 115 & FRE 125 exemption)
German Language	50	6	Foreign Language I & Foreign Language II
German Language	60	6	Foreign Language I & Foreign Language II
History of the United States I	50	3	HIS 213
History of the United States II	50	3	HIS 223
Human Growth & Development (Not be taken by students who have received credit for PSY 120/320)	50	3	Behavioral Science Elective
Humanities	50	6	HUM 213 & HUM 223
Info Systems & Computer Applications	50	3	CIS 265
Introduction to Educational Psychology (Not be taken by students who have received credit for EDU 302)	50	3	Elective
Macroeconomics, Principles of	50	3	BUS 218
Management, Principles of	50	3	Elective
Marketing, Principles of (Not be taken by students who have received credit for MKT 333)	50	3	Elective

Microeconomics, Principles of	50	3	BUS 217
Natural Sciences (Not be taken by students who have received credit for BIO 143)	50	6	Biology Elective (non-lab) & Physical Science Elective (non-lab)
Pre-Calculus	50	3	MAT 135 (MAT 115 exemption)
Psychology, Introductory	50	3	PSY 213
Social Sciences & History	50	6	History Elective & Behavioral Science Elective
Sociology, Introductory	50	3	SOC 213
Spanish Language	50	6	SPA 115 & SPA 125
Spanish Language	63	6	SPA 213 & SPA 223 (SPA 115 & SPA 125 exemption)
Western Civilization I	50	3	History Elective
Western Civilization II	50	3	History Elective

Credit for Prior Learning

Students through Online and Professional Studies may enroll for a one-unit portfolio development seminar. With guidance from the faculty, the student will develop a portfolio documenting college level learning which has been obtained outside of the traditional college classroom setting through work-related training, professional experiences, and community involvement. Portfolio credit can only be earned toward general elective credits and cannot be earned in a student's major.

Enrollment at Other Institutions

All students who wish to take coursework at other institutions and wish to apply this work toward degree requirements at California Baptist University must receive prior approval. The purpose of this is to ensure that the coursework is transferable to California Baptist University, and to encourage student success by monitoring total academic loads. Students not receiving prior approval for enrollment at another institution may not be permitted to transfer those credits. Additional information and appropriate forms are available on the California Baptist University web site.

Credit Hour

California Baptist University defines a credit hour as a minimum of 45 hours of engaged learning time over the course of a semester based on an hour of instructional time and two hours of engaged learning outside the classroom each week. This engaged learning time may be in face-to-face meetings, in a prescribed lab or internship/practicum setting, in synchronous or asynchronous online learning activities, or in independent reading, research, or writing activities.

Course Load

The standard academic load for undergraduate students is 12-18 units. The maximum course load is 18 units. A student may be approved to register for more than 18 units if the student has 1) a 3.0 cumulative GPA, 2) a minimum 3.0 session GPA in the preceding semester, 3) no outstanding incomplete course work, and 4) status as a Sophomore,

Junior or Senior in good academic standing. Permission for overload is granted on a semester by semester basis. A desire to graduate early is, in itself, not sufficient reason to receive approval for academic overload.

Classification of Students

At the beginning of each semester all students are officially classified in the following manner:

First-Time Freshman	Any regular student with no prior university experience
Freshman	Any student with prior university experience who has less than 30 semester units
Sophomore	Any regular student who has earned 30 semester units
Junior	Any regular student who has earned 60 semester units
Senior	Any regular student who has earned 90 semester units
Graduate	Any regular student who has completed a bachelor's degree and is studying in a Master's program

Scholastic Regulations

An undergraduate student must maintain scholastic standards to remain enrolled at California Baptist University. A student must earn a minimum cumulative grade point average (GPA) of 2.0 to graduate.

Academic Probation

A student who does not maintain a minimum cumulative GPA of 2.0 or who does not earn a minimum semester GPA of 1.7 will be placed on Academic Probation. A student on Academic Probation will be restricted to a maximum of 13 units during the next semester of enrollment, will be required to meet with an Academic Advisor to adjust their schedule and develop a course plan, and may be required to participate in an academic success experience. A student who earns a minimum cumulative GPA of 2.0 and a minimum semester GPA of 1.7 during the probationary semester will no longer be on Academic Probation. A student on Academic Probation who does not achieve a minimum cumulative GPA of 2.0 in the probationary semester but does earn a 2.3 semester GPA will continue on Academic Probation.

Academic Suspension

A student who fails to earn a 2.0 cumulative GPA and a 1.7 semester GPA OR a 2.3 semester GPA during the probationary semester will be placed on Academic Suspension. Additionally, a student who fails all academic courses during any given semester will immediately be placed on Academic Suspension. To continue enrollment at CBU, a student on Academic Suspension must appeal to and be approved by the Admissions and Retention Committee. If approved to continue, a student will be placed on Academic Probation and will be held to the restrictions and requirements of the Academic Probation status.

Academic Disqualification

A student who is suspended for a second consecutive semester will be academically disqualified and may not enroll at CBU for at least one semester. To regain academic qualification, a student must demonstrate the educational skills and motivation necessary to be academically successful. How these skills can be demonstrated will be outlined in each student's appeal decision letter, but may include attending a community college to complete 9-12 units of academic coursework in a single semester with earning a 2.3 semester grade point average or better. A student who has demonstrated academic success may then appeal to the Admissions and Retention Committee for readmission to CBU.

under Academic Probation status. A student may need to readmit to the university prior to enrolling (see Satisfactory Academic Progress in the Financial Aid section and Readmit in the Undergraduate Admissions section).

Following the close of each semester, a letter of notification will be sent to each student who has a change in academic status. All appeals related to the above regulations should be directed to the Chair of the Admissions and Retention Committee in compliance with dates detailed in the letter.

Student Grievances

A student wishing to express concerns or grievances about academic matters, involving coursework or interactions with instructors, should ordinarily follow a regular order of contacts. The first contact would be between the student and the instructor involved so that there is opportunity for each to address the issues that directly affect them. If the student feels unable to approach the instructor directly or does not believe the issue has been fully resolved with the instructor, the next contact would be with the Department Chair or Dean of the School or College having oversight of that course. If issues remain unresolved at these levels, the final academic point of contact should be made according to the degree program the student is enrolled.

- Traditional students should appeal to the Dean of Student Success
- Online and Professional Studies students should appeal to the Associate Vice President of Academics

For disputes involving conduct prohibited under the University's Title IX Policy, students, staff, and faculty are expected to promptly notify the Title IX Coordinator for proceedings consistent with the Title IX Policy.

Academic Dishonesty

Academic dishonesty (cheating, plagiarism, copying, and other forms) will be reported to the Dean of Students. Judicial sanctions for offense are handled on a case-by-case basis depending on the seriousness of the violation, prior violations and other factors. Judicial sanctions may include, but are not limited to, loss of a letter grade or failure in the course in which the offense occurred, suspension, and/or dismissal from the University. A detailed discussion of academic dishonesty is located in the Student Handbook.

Credit/No Credit Courses

A student may take up to twelve (12) units of coursework on a "credit/no credit" basis in lieu of a letter grade. ENG 113 and 123 (English Composition) may not be taken on a "credit/no credit" basis, and not more than two (2) courses in general education may be taken on a "credit/no credit" basis.

Not more than one course may be taken per semester on a "credit/no credit" basis. All courses in the student's major field or minor field must be taken for a letter grade.

The student's decision for this grading option must be made during the Add/Drop Period. In order to receive credit for work completed on a "credit/no credit" basis, the work must be equivalent to a C- grade or better. The grade of "credit" does not affect the GPA calculations; a grade of "no credit" has the same effect on the GPA calculation as a failing grade.

Pass/Fail

Chapel/Convocation (GST 050), First Year Orientation and Christian University Success (GST 100 FOCUS), Essentials for Online and Professional Studies (GST 101) and other courses are graded on a "pass/fail" basis. The grade

of "pass" does not affect the GPA calculations; a grade of "fail" has the same effect on the GPA calculation as a failing grade.

Incomplete Grade Policy

A Petition for Incomplete Work is filed only in cases of extreme and unforeseen emergencies. Students receiving financial aid may adversely affect aid eligibility by taking an Incomplete. If a grade of I is not raised to a passing grade six weeks after the end of the session, term, or semester, the grade automatically becomes an F and credit for the course may be obtained only by repeating the course. An incomplete fee is charged for all approved incomplete petitions. Approval for an Incomplete is gained by petition to the dean of the school, college, or division in which the course is offered. It is the responsibility of the student to initiate and complete the process for incomplete work prior to the end of the semester. Students who receive an Incomplete will not be eligible for semester honors (Provost's or President's Honor Roll).

Examinations/Make-up Tests

Students are expected to take all tests at the regularly scheduled time. In the case of serious illness or extreme emergency, a faculty member may allow the student to take a make-up test **WITHIN TWO WEEKS** of the originally scheduled test date. If the test is not made up within two weeks, the student may receive no credit for that test. It is the responsibility of the student to arrange for a makeup test by securing permission of the instructor **IN ADVANCE** of the test to be missed. The student must then schedule a make-up test appointment with the Academic Resource Center (ARC). A \$5 fee will be charged for all make-up tests.

Repeating Courses for Grade Replacement

A student may repeat a course in which a grade of C- or lower was earned. For grade replacement to apply, the course must have been originally taken in residence and repeated in residence. Courses that may be repeated multiple times for credit are not eligible for grade replacement. Tuition will be charged for the repeated units. Students may not repeat a course once the baccalaureate degree has been posted.

Students who elect to repeat a course may do so only one time for grade replacement. The second grade earned will be used in GPA calculations regardless of which grade is higher. If a grade of C- or higher is not earned when the course is repeated, the student may repeat the course again; however, subsequent grades will not replace the grade from the first repetition. Subsequent grades will be used in GPA calculations.

Grade Changes

Students who believe a grade has been recorded in error have the responsibility to initiate a grade change request with the instructor within 30 days of the final grade being recorded. Requests may be made for grade changes based on computation and recording errors. Otherwise, grades are final at the completion of the course. No grade changes will be permitted once the degree has been posted.

Grade Appeals

Any appeal for a grade change must be accompanied by appropriate documentation to demonstrate the grade was incorrectly recorded or determined. The grade appeal must include documentation that one or more of the following occurred: (1) The instructor made an error in calculating the final grade; (2) The final grade was based on criteria or standards at variance with the course syllabus; (3) The final grade was based on factors other than student achievement or performance. Failure to address one or more of these three reasons is a basis for rejection of that appeal. Students

must recognize that they bear the burden of proof in the grade appeal process and that a grade appeal will not be successful without appropriate documentation

Students wishing to appeal a grade should follow the below regular order of contacts and timelines.

Instructor Appeal

An initial grade appeal should be made directly to the instructor. The student is encouraged to submit a written statement to the instructor clearly specifying the grounds upon which the student disputes the instructor's academic decision.

- Traditional Graduate/Undergraduate Students:
- Grade appeals for Fall semester courses must be filed by February 1 of the Spring semester immediately following the completion of the disputed course.
- Grade appeals for Spring or Summer semester courses must be filed by October 1 of the Fall semester immediately following the completion of the disputed course.
- Online and Professional Studies Students:
- Grade appeals must be submitted to the instructor within 30 days of the final grade being recorded.

Department Chair or Dean Appeal

If the student is dissatisfied with the instructor's response, or the instructor does not respond to a grade appeal within 30 days, the student may then appeal the instructor's academic decision to the appropriate Department Chair or Dean of the School or College having oversight of that respective instructor and course. The appeal should be submitted within 30 days of instructor decision or non-response.

Dean of Student Success/Associate Vice President of Academics

If the student is dissatisfied with the decision rendered by the Department Chair or Dean of the School or College, the student may submit an appeal within 30 days of the previous decision for possible mediation. Appeals should be submitted respective to the University program in which the student is enrolled (Traditional or Online and Professional Studies).

- Traditional students should appeal to the Dean of Student Success
- Online and Professional Studies students should appeal to the Associate Vice President of Academics

Upon receipt of the appeal, copies of the student's supporting evidence associated with the appeal will be obtained and an attempt will be made to mediate a resolution between the student, the faculty, and the Department Chair or Dean.

Student Appeals Committee

If the appeal is unable to be resolved through mediation within 30 days, the student may request the appeal be submitted to the Student Appeals Committee. The student's request must be in writing and specify the student's rationale for contesting the decision rendered by the Department Chair or Dean, as well as include all supporting evidence. Upon submission of a timely request, the Student Appeals Committee will convene and render a decision within 15 days.

The Student Appeals Committee will convene and review all written documentation and evidence. The committee will receive the responses from previous appeals and have the discretion to request additional information prior to the committee meeting from the student, instructor, chair, or dean. The committee will make its recommendation based solely on the documentation submitted. Students are not permitted to attend the meeting or present before the committee.

Vice President/Provost

Following the Student Appeals Committee meeting, the committee will make a formal recommendation to the Vice President/Provost regarding a resolution. Within 15 days of receiving the recommendation, the Vice President may (1) accept the recommendation, (2) reject the recommendation and issue an independent decision, or (3) request the committee conduct additional investigation and re-review the initial recommendation.

The Vice President/Provost's decision is final and not subject to further appeal.

Quality of work in a course is indicated as follows:

Grade of A	Indicates the highest quality of work and is reserved for outstanding achievement.
Grade of B	Indicates definitely superior work done in a sustained and intelligent manner.
Grade of C	Indicates average university-level work satisfactorily performed.
Grade of D	Indicates the lowest passing grade.
Grade of F	Indicates a failing grade.
Grade of CF	Indicates a failing chapel grade.
Grade of P	Indicates a passing grade.
Grade of CP	Indicates a passing chapel grade.
Grade of CR	Indicates work attempted under the "Credit/No Credit" grading option and was completed at the C-level or better.
Grade of NC	Indicates work attempted under the "Credit/No Credit" grading option that was completed below the C- level.
Grade of W	Indicates a withdrawal from the class.
Grade of I	Indicates incomplete work.
Grade of AU	Indicates the course was audited and not taken for academic credit.
Grade of SP	Indicates satisfactory progress in an ongoing course. (Thesis, Project, Student Teaching)
Grade of IP	Indicates the course is in progress.
Grade of NR	Indicates no grade has been recorded.

Course Grade	Quality Points	Course Grade	Quality Points
A	4.0	D-	0.7
A-	3.7	F	0.0
B+	3.3	CF (Chapel Fail)	0.0
B	3.0	P (Pass)	0.0
B-	2.7	CP (Chapel Pass)	0.0

C+	2.3	CR (Credit)	0.0
C	2.0	NC (No Credit)	0.0
C-	1.7	W (Withdrawal)	0.0
D+	1.3	I (Incomplete)	0.0
D	1.0	SP (Satisfactory Progress)	0.0

Semester Honors

Each semester the University awards the President's Honor Roll and the Provost's Honor Roll to students who achieve academic excellence. In order to qualify for the President's Honor Roll a student must earn a session GPA of 4.0 while taking a minimum of 12 units of graded coursework (not P/F, CR/NC, AU, etc.) and maintaining satisfactory scholastic standing. In order to qualify for the Provost's Honor Roll a student must earn a session GPA of at least 3.6 while taking a minimum of 12 units of graded coursework (not P/F, CR/NC, AU, etc.) and maintaining satisfactory scholastic standing. All courses taken during a given semester must be successfully completed; any failing grade (including chapel fail and NC) or Incomplete will disqualify the student for semester honors. Post-baccalaureate students are not eligible for semester honors. Students will not be eligible for the Provost's or President's Honor Roll if they elect to Petition for an Incomplete. Semester honors will be posted on the transcript.

Grade Reports

Grade reports are available to students through InsideCBU upon the completion of the semester. Students with a student account hold are not eligible for a grade report. The University does not release any grade information to any person other than the requesting student without the written permission of the student.

Change of Address

It is frequently a matter of great importance for the University to be able to locate students quickly. For this reason students are asked to file a Student Information Change form with the Office of the University Registrar promptly upon a change of address. Failure to receive University notices because of an incorrect or outdated address provided by the student will not relieve the student of responsibility for the information provided.

Classification and Numbering of Courses

The first digit of the course number indicates the year level of the course: 100-first undergraduate year; 200-second undergraduate year; 300-third undergraduate year; 400-fourth undergraduate year; 500-graduate level.

University level courses not having a year designation are signified by 000. These courses are primarily in the Music Department and Chapel/Convocation.

Course Cancellations and Format Changes

Courses at California Baptist University are subject to cancellation, meeting day and time changes, or format changes for reasons such as low enrollment, curriculum updates, or staffing. Students will be notified of course cancellations and schedule changes via their CBU e-mail account.

Study Abroad

Students may receive academic credit for overseas study tours offered by California Baptist University or authorized Study Abroad programs. A maximum of 18 units per semester may be earned for Study Abroad. Non-academic tours will not be considered for academic credit. All students wishing to receive Study Abroad credit must attend a Study Abroad Information Session and must process their Petition to Study Abroad prior to the trip's departure. Study Abroad petitions are available from the Director of Academic Engagement. Students will be assessed a Study Abroad per unit tuition rate for tours offered through CBU. Student's participating in other authorized study abroad programs will be assessed for the cost of the program.

Directed Study and Independent Study

Directed Study will be limited to those courses listed in the catalog and are part of the University's regular curriculum. Independent Study will be limited to original coursework not included in the University's regular curriculum. Approval for the arrangement must include the faculty member, Dean/Department Chair, and University Registrar. In addition to regular tuition, a per unit Directed/ Independent Study fee will be assessed. Students petitioning for Directed/Independent Study must adhere to the following guidelines:

- Only juniors and seniors are eligible for directed/independent study.
- Only students who have a 3.0 or better grade point average are eligible for directed/independent study.
- No student may take more than a total of four units of independent study or directed study in any given semester.
- A form for directed/independent study may be obtained from Academic Advising. It must be completed with the appropriate faculty member and submitted to the Department Chair and University Registrar for approval.
- A maximum of nine (9) units of directed study or independent study may be applied towards degree requirements.

Internship

An internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Internships give students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent.

Students may enroll in an internship for academic credit at the upper division level with approval and signatures from the faculty member, Dean/Department Chair, Career Services, and University Registrar. Students are responsible for locating their own internship experience prior to enrollment but are encouraged to utilize the Career Services office for assistance in the process and to obtain the required paperwork in order to enroll. Minimum enrollment requirements include a 2.0 cumulative GPA and sophomore status. Internships must be completed within the semester in which both the enrollment and the internship experience occur; retroactive credit may not be granted for internships previously served.

Challenging a Course for Credit or Exemption

A student wishing to challenge a course by examination or certification should consult the Office of the University Registrar for information. Not all courses offered at California Baptist University may be challenged by exam or certification, and determinations will be made by the appropriate academic dean or department chair.

Students wishing only to be exempt from a course requirement, but not wishing to receive university credit, will be billed the exemption by exam or exemption by certification fee, and no credit will be earned. The exemption by exam fee will be assessed whether or not the exam is successfully passed.

Students wishing to receive credit for the challenged course and successfully pass the exam will be charged the appropriate tuition and a grade of "Credit" will appear on the transcript. If the exam is not passed the student will only be charged the exemption by exam fee and nothing will appear on the transcript.

Challenge exams may be attempted only once per course and should be completed prior to the add/drop dates. Credit and tuition costs for coursework completed by exam will appear in the semester that the exam is passed. Students may not exceed 30 units of degree credit by challenge exams including AP, CLEP, and DSST, IB, and CBU exams.

Auditing a Course

Courses which are audited are not credit-bearing; they cannot be applied toward degree requirements. Audited courses do appear on the transcript and are indicated by an AU in lieu of a credit-bearing grade.

Students may register for an audit during the first two weeks of the semester only, pending available space in the desired course. Regular withdrawal policies apply to audited coursework.

Post Baccalaureate Credit

Post baccalaureate credit for a course taken as an undergraduate student must be requested prior to the posting of the bachelor's degree. The following criteria must be met in order to grant credit:

- Course(s) were not used to complete a bachelor's degree, second major, minor, emphasis, or concentration.
- Student was classified as a Senior (90.0+ units) when courses were completed.

Privacy of Student Records

In compliance with Federal Legislation (Buckley Amendment) a student's confidential academic record is available for inspection by the student. See the Office of the University Registrar for further information.

By law the following information may be considered directory information and thus able to be released without prior permission of students involved: student's name; address; telephone listing; e-mail address; date and place of birth; photo; major field of study; participation in official recognized sports activities; weight and height of athletic team members; dates of attendance, degrees, and awards received; and the most recent previous educational institution attended by the student.

Attendance and Withdrawal Policies

Completion of the registration process constitutes a contract and obligates the student for full payment. The student must complete the appropriate process to add, drop, or withdraw from a course. Course registration adds, drops, and withdrawals are processed by students through the InsideCBU portal. Students may seek assistance with the InsideCBU registration process from the Academic Advising office. To withdraw from the University, the student must submit a Petition to Withdraw to the Enrollment Services office, this process can not be completed through InsideCBU. Students should consult the University Calendar, Schedule of Classes, and Academic Advising for course and semester add, drop and withdraw dates.

Class attendance is of paramount importance, and excessive absences will negatively affect the final grade. The individual instructor defines, in the course syllabus, the grading attendance policies for each class.

Adding a Course

During the initial Add period a student may add a course to his or her schedule of classes. Adding a course could result in the increase of student account tuition and fee charges.

Dropping a Course

During the initial Drop period a student may drop a course and receive a full credit of tuition if applicable. No mark will appear on the transcript. A student may not drop a class merely by ceasing to attend. Dropping a class could result in the reduction of already awarded financial aid and an increase in the student account balance.

Withdrawal from a Course

Students may withdraw from a course during the Withdraw period. A grade of W will appear on the transcript. No credit of tuition will be granted after the Drop period. After the Withdraw period no withdrawal from a course will be permitted. Students who cease attending after the withdrawal date will receive a grade of F in that course.

A student who never attends or stops attending a course for which he or she is officially registered, without following the accepted procedures, will receive a grade of F in that course. A student who wishes to initiate withdrawal from a course after the deadline may do so by filing a petition to present a serious and compelling reason for withdrawal to the Office of Student Success or OPS Registrar. Approval for such a withdrawal will be granted only in extreme cases where extenuating circumstances are evident and can be substantiated. No financial adjustments are made. Failing or performing poorly in a class, and dissatisfaction with the subject matter, class or instructor are not acceptable serious and compelling reasons for late withdrawal.

Withdrawal from the University and Semester

Complete official withdrawal from the University and semester is permitted through the last day of the final examination period and is permitted only if a course has not already been completed. Students requesting full official withdrawal from the University and semester must complete a Petition to Withdraw form available in the Office of Enrollment Services. To complete the official withdraw process the student must also initiate enrollment changes in the Office of the Registrar, complete the Exit Interview process through the Financial Aid Office and reconcile any account balance in the Student Accounts Office. Failure to comply with these regulations will result in failing grades being entered on the student's permanent record, and dismissal will be recorded as unofficial.

Ceasing to attend does not constitute an official withdrawal from a course or from the University. However, ceasing to attend all courses may result in Return to Title IV processing as required per federal regulations.

Refer to the Financial Aid and Student Accounts sections in this catalog for additional information regarding the effects of completing an official withdraw and the effects of ceasing to attend without providing official notification to the University according to the official withdraw process.

Leave of Absence

A student that needs to take a leave of absence and plans to return to the University should complete a Petition for Leave of Absence. If approved, a student may leave the University for up to one semester and return at the conclusion of the leave without completing the readmit process. Students will be expected to fulfill the graduation requirements in

effect at the date of their original matriculation. Students who do not return from a leave of absence will be considered withdrawn from the University and will need to complete the readmit process.

Administrative Discretion

The University reserves the right to disqualify, discontinue, exclude, or involuntarily withdraw any student from the University at the discretion of the provost, the vice president for enrollment and student services, dean of student services, or designee.

California Baptist University is concerned about the well-being of all students. Behavior that demonstrates that the student's well-being may be in jeopardy, interferes with the educational efforts of other students, puts fellow students or the institution at risk, or conflicts with California Baptist University's mission to educate all students may result in an administrative withdrawal from the institution.

Other Academic Information

Academic Computing

The University provides a wide array of technologies to facilitate teaching and learning. Complementing a vanguard computing infrastructure are a number of computer labs located in the Annie Gabriel Library, Business Building, W.E. James Complex, and Yeager University Center. Coursework in computer technology is also available. A valid student identification card is required for access to computer labs.

Annie Gabriel Library

The staff, resources, and services of the Annie Gabriel Library enhance the quality of the academic experience available at California Baptist University by supporting the instruction, learning, and research activities of its students and faculty. In addition to the more than 340,000 books (including 225,000 eBooks) in its collection, the library currently provides access to more than 39,000 full-text journal titles through its online databases and subscriptions. Students and faculty can access books, journals, reference resources, videos, and music through the library catalog (OneSearch Catalog), which is available along with many other resources and services through the library Web page. The Annie Gabriel Library houses computer work stations and provides access to the campus wireless network. It participates in local, regional, and national information networks that increase its resource-offerings to the CBU community through its interlibrary loan programs. It houses special collections and archives devoted to Southern Baptist History, Holocaust Studies, Hymnology, and CBU History.

Office of Student Success

The Office of Student Success (OSS) is responsible for providing support services to help students acquire skills essential to achieve academic success. Services include tutoring for CBU coursework as well as a variety of subjects such as library research, citation (APA, MLA), test-taking strategies, computer skills, and limited CBEST, RICA, CSET, and SAT, as available. In addition, the OSS offers study groups, testing services, informal learning style self-assessment, and academic workshops.

Office of the University Registrar

The Office of the University Registrar maintains the student's official academic record and assists students with transcripts, letter requests, degree and enrollment verifications, veterans benefit enrollment certification and other requests related to the student's enrollment. The Office of the University Registrar also maintains articulation

agreements, completes official evaluation of previous college work, reviews requests for concurrent enrollment transfer approvals, reviews academic variances, processes all applications for graduation, reviews the academic record for final degree completion, and posts completed degrees.

Veterans Information

The Veterans Resource Center maintains records for each identified veteran. A record of transfer work is kept on file and the Veterans' Administration is notified of the transfer work accepted for each veteran.

Veterans must provide a written request to the Veterans Resource Center at the beginning of each term to initiate reporting of verification of enrollment and academic progress to the appropriate Veterans' Administration office. Any changes in enrollment or attendance should be reported to the Veterans Resource Center.

Satisfactory progress must be maintained as specified in the Scholastic Regulations Section under Academic Policies. Military academic credit or experience may provide some equivalency credit in accordance with the American Council on Education (ACE) guidelines.

Honors Program

The University Honors Program at California Baptist University offers students from all major areas of study a unique and excellent academic experience. Through a series of seminars totaling 18 units, the program offers students the opportunity to participate in rigorous study, requiring diligence in reading primary sources and writing original essays. These seminars lead students in careful study of and reflection on important themes in (primarily) Western Civilization that are key to understanding contemporary culture. Seminars often focus on ancient classical thought and literature, medieval studies, Russian literature, history of science, the early church in the ancient world, political economy, and the theology and literature of C.S. Lewis and J.R.R. Tolkien. These seminars emphasize a close reading and thorough discussion of classic texts, and are interdisciplinary, integrative, and holistic in vision. Ultimately, the program has been designed to assist students in developing an intellectually informed Christian world view. By understanding the roots and trajectory of contemporary culture, Honors Program graduates will be better prepared to effect change in the culture.

The Honors Program seminars are taught by leading faculty from across the University. Class enrollment is purposely restricted to provide individual attention to the Honors Program student members.

Satisfactory completion of the Honors Program requires (for four-year students) satisfactory completion of 18 units of Honors Program seminars (at least eight (8) units at the upper division level), while maintaining an overall academic GPA of at least 3.5. Transfer students coming to CBU with 60 or more semester units of college credit need only complete 14 units of Honors Program seminars (at least eight (8) units at the upper division level), while maintaining at least a 3.5 overall GPA.

Students who satisfactorily complete the Honors Program are entitled to claim this distinction on their résumés. Their achievement will be recorded on their official CBU transcript and diploma, and will be acknowledged in the Commencement program and ceremony.

A student should seek admission to the University Honors Program prior to or during the freshman year by filing an Honors Program Application and writing sample with the Dean of the College of Arts and Sciences. Admission to the Program requires application that is separate from (and follows after) the regular CBU admission application. The Honors Program admission committee will review the student's overall academic record for predictors of success in this intensive seminar series. The committee will approve students who write a strong essay and have either have an SAT score of 1290 (ACT 27 or higher) and a cumulative grade point average of 3.5 or higher. The committee may consider students with a test score above 1230 or cumulative grade point average of 3.2, and may request a personal interview as part of the decision process.

For more information contact the College of Arts and Sciences at 951.343.4363, or email honors@calbaptist.edu.

Reserve Officer Training Corps (ROTC)

California Baptist University offers a Military Science and Leadership Army Reserve Officer Training Corps (ROTC) program on campus and an Airforce ROTC program through concurrent enrollment at California State University, San Bernardino. Students may also enroll in ROTC courses at another institution while completing their degree programs at CBU. Representatives from other participating ROTC programs make regular visits to CBU to provide information to prospective students.

Scholarships may be available for books, tuition, and fees associated with various major fields of study. For more information about the Military Science and Leadership Army ROTC Program contact the Assistant Professor of Military Science at 951.343.4773 or e-mail ROTC@calbaptist.edu. For more information about the Airforce ROTC program contact the CSUSB Aerospace Studies Department at 909.880.5440. Students interested in concurrent enrollment should contact the Office of the University Registrar at CBU.

Course Descriptions

ACC 250 - Principles of Accounting I

Units: 3

When Offered: Fall

An introduction to financial accounting, involving its basic structure, the accounting cycles for service and merchandising enterprises, assets, liabilities, and accounting systems.

ACC 251 - Principles of Accounting II

Units: 3

When Offered: Spring

This course has an emphasis on managerial accounting involved with corporations, control accounting, and decision making.

Prerequisite(s): ACC 250

ACC 310 - Intermediate Accounting I

Units: 3

When Offered: Fall

A comprehensive and in-depth coverage of accounting principles. The course is for accounting majors or students wanting a solid understanding of accounting. The accounting cycle steps are reviewed and more complex accounting problems are presented. Topics include cash, short-term investments, accounts receivable, inventories, liabilities, statement of cash flows, revenue recognition, and debt financing.

Prerequisite(s): ACC 251

ACC 311 - Intermediate Accounting II

Units: 3

When Offered: Spring

This course has an emphasis on property, equipment, intangible assets, corporations, long-term investments in equity securities, long-term liabilities, accounting for pensions, leases, error corrections, analysis of financial statements, income taxes and financial reporting.

Prerequisite(s): ACC 310

ACC 320 - Cost Accounting

Units: 3

When Offered: Spring

This course covers budgeting, standard costs, analysis of variances, job order and process accounting, profit centers, capital budgeting, and managerial controls.

Prerequisite(s): ACC 310

ACC 330 - Governmental and Non-profit Accounting

Units: 3

When Offered: Spring

Covers municipal, school, university, hospital, church, and other forms of governmental and non-profit organizational

accounting. Types of funds discussed are general, revenue, capital projects, enterprise, debt service, and others.

Prerequisite(s): ACC 311

ACC 345 - Managerial Accounting

Units: 3

When Offered: Online and Professional Studies

Introduction to managerial accounting concepts and principles, focusing on the development and application of costing concepts as they apply to manufacturing environments. This includes the collection and reporting of cost data used for planning, controlling and decision-making in a business environment.

ACC 350 - Financial Accounting I

Units: 3

When Offered: Online and Professional Studies

A study of accounting principles relating to non-current assets and liabilities emphasizing the measurement and valuation of property, plant and equipment, other long-term assets, and current and long-term liabilities. Emphasis is also placed on the accounting aspects of the operations of sole proprietorships, partnerships and corporations. (This course does not meet the requirements for upper division accounting units within the accounting major).

ACC 351 - Financial Accounting II

Units: 3

When Offered: Online and Professional Studies

A continuation of the study of accounting principles relating to non-current assets and liabilities emphasizing the measurement and valuation of property, plant and equipment, other long-term assets, and current and long-term liabilities. Emphasis is also placed on the accounting aspects of the operations of sole proprietorships, partnerships and corporations.

Prerequisite(s): ACC 350 (This course does not meet the requirements for upper division accounting units within the accounting major)

ACC 410 - Advanced Accounting

Units: 3

When Offered: Fall

A study of business combinations and consolidation accounting, including the accounting relationships between parent and subsidiary business entities, the processing of intercompany transactions, and elimination entries. Additional topics may include recording foreign currency exchange transactions, translations of foreign subsidiary financial statements and partnership accounting.

Prerequisite(s): ACC 311

ACC 420 - Accounting Information Systems

Units: 3

When Offered: Fall

A study of accounting and processing controls for automated accounting systems, and developing and implementing an automated accounting system.

Prerequisite(s): ACC 311, and CIS 265 or 270

ACC 430 - Federal Income Tax Accounting

Units: 3

When Offered: Fall

Covers the theory of tax accounting with practical applications to individuals, proprietorships, partnerships, corporations, and fiduciary organizations.

Prerequisite(s): ACC 251

ACC 470 - Auditing

Units: 3

When Offered: Spring

A study of the attest function performed by independent public accountants. Topics include management assertions, fundamental principles (formerly generally accepted auditing standards), tests of controls and substantive procedures for the accounting cycles, and report forms and opinions. Various techniques are used to study auditing concepts and practices and may include preparing problem sets, analyzing case studies, and performing simulated audit procedures.

Prerequisite(s): ACC 410

ACC 480 - Accounting Ethics

Units: 3

When Offered: Fall

This course focuses on the ethical and professional responsibilities of CPAs in public and private practice. Ethical reasoning, corporate governance, decision making and ethical frameworks will be examined to provide a base of understanding. The AICPA Code of Professional Conduct and other professional standards will be studied as they apply to the practice of accounting.

Prerequisite(s): Senior status

ACC 491 - Internship in Accounting

Units: 1-3

When Offered: Fall, Spring, Summer

Under faculty supervision, the student will work in an accounting firm, or in a business, governmental entity or non-profit organization in an accounting area. This is an opportunity for field experience in applying accounting coursework and principles.

Prerequisite(s): Permission of the Dean

AIR 090 - Leadership Laboratory

Units: 0

Open only to enrolled Air Force ROTC cadets. Cadets must be concurrently enrolled in aerospace studies courses. Designed to allow students to apply leadership techniques and military skills taught in the classroom and to develop their confidence as future military officers.

Grade Type: Pass/Fail

AIR 101 - The Air Force Today I

Units: .67

Examines the roles and ethical standards expected of an Air Force officer. Presents the opportunities and benefits of being an Air Force officer.

AIR 102 - The Air Force Today II

Units: 0.67

The Air Force organization, structure, and mission with emphasis on the basic skills used by military officers.

AIR 103 - The Air Force Today III

Units: 0.67

Further analysis of ethical standards expected of an Air Force officer with an emphasis on group dynamics.

AIR 201 - The Development of Air Power I

Units: 0.67

Development of air power technology and tactics from 1900 through the Vietnam War and its impact on military thought.

AIR 202 - The Development of Air Power II

Units: 0.67

Development of air power technology and tactics from the Vietnam War to present and its impact on military thought.

AIR 203 - The Development of Air Power III

Units: 0.67

In-depth discussion of values and public expectations as they relate to military officers.

AIR 301 - Air Force Leadership and Management I

Units: 2

Principles and functions of management and leadership. Introduction to "Total Quality Management."

AIR 302 - Air Force Leadership and Management II

Units: 2

"Quality Air Force" initiatives, procedures, and applications.

AIR 303 - Air Force Leadership and Management III

Units: 2

Ethics in modern society and the military, including the "Standards of Conduct" and the principles of modern war.

AIR 401 - National Security Forces in Contemporary American Society I

Units: 2

Forces and issues that influences policy decisions and application of military force. The impact of the executive branch and Congress on military operations.

AIR 402 - National Security Forces in Contemporary American Society II

Units: 2

Geopolitical influences on U.S. political decision making and the use of military force.

AIR 403 - National Security Forces in Contemporary American Society III

Units: 2

Basic knowledge necessary for effective military leadership including consideration of legal issues and the military judicial system.

AIS 305 - Flight Attendant I

Units: 3

When Offered: Fall

An introduction to the role of the flight attendant as a required crew member. Safety responsibilities, customer service, public speaking, crew resource management, and basic emergency medical care are covered in this course.

Prerequisite(s): AVN 110

AIS 405 - Flight Attendant II

Units: 3

When Offered: Spring

This course will present the federal regulations that pertain specifically to flight attendants, as well as the role of inflight services in the management of an airline, flight attendant training requirements, work environment expectations, schedule bids, seniority, small group interaction, and domestic versus international flight attendant roles and expectations.

Prerequisite(s): AIS 305

AIS 495 - Flight Attendant Capstone

Units: 3

When Offered: As offered

A capstone course for the Aviation Inflight Services major, this capstone will include training for the flight attendant.

Prerequisite(s): AVN 110

ALH 301 - Global Health Engagement Seminar

Units: 3

When Offered: Spring

This seminar is the first half of the Global Health Engagement sequence. Students will prepare for a summer global engagement practicum through class lectures and a research paper. Cultural awareness and sensitivity as well as an understanding of global health are key components of this class. Students are required to take this course prior to completion of the global health engagement practicum.

Prerequisite(s): HSC 100

ALH 401 - Global Health Engagement Practicum

Units: 3

When Offered: Summer

The purpose of the global health engagement practicum is to provide students with an opportunity to expand the level of understanding of what it takes to be an international health care professional, and to gain new insight about the commitment it takes to follow the path to becoming an international health care provider. Students will have the opportunity to travel abroad, working with partners in healthcare and health related fields.

Repeatable: May be repeated once for credit

Prerequisite(s): ALH 301

ALH 405 - Grant Writing

Units: 3

When Offered: As offered

An examination of the skills required to locate funding opportunities and write and submit grant applications and reports for health promotion and education programs. The course is designed to help students to gain experience and practice in finding grant money and applying for grants to undertake community health projects.

AMG 320 - Fixed Base Operations

Units: 3

When Offered: Fall

A study of the practical issues associated with managing, operating, and marketing a fixed base operation (FBO).

AMG 322 - Aviation Safety

Units: 3

When Offered: Spring

An introduction to the safety regulations, requirements, and environment in the U.S., including an in-depth examination of Safety Management Systems (SMS).

AMG 324 - Aviation Security

Units: 3

When Offered: Fall

An in-depth examination of security regulations, requirements, and environment in the U.S., including the role of the Department of Homeland Security in ensuring aviation security.

AMG 330 - Airport Management I

Units: 3

When Offered: Fall

An in-depth study of 14 CFR P139, Airport certification. Prepares students for the Airport Certified Employee (ACE) Operations exam offered by the American Association of Airport Executives.

AMG 332 - Airport Management II

Units: 3

When Offered: Spring

An in-depth study of airport finance and administration, planning, construction, environmental, operations, security, maintenance, communications and community relations. Prepares students for the Certified Member (C.M.) exam offered by the American Association of Airport Executives.

Prerequisite(s): AMG 330

AMG 423 - Airport Planning and Design

Units: 3

When Offered: Spring

An in-depth study of planning, including data collection, forecasting, master planning, and environmental issues. Also

includes an in-depth study of airside design, including airport capacity, pavement design, runway and taxiway design criteria, FAR Part 77 criteria, and landside design, including ground access, curbside requirements, and traffic flow.

AMG 424 - Business Aviation Management

Units: 3

When Offered: Fall

An in-depth study of business aviation, including transportation needs analysis, aircraft acquisition methods, aviation department management, operations, maintenance, and safety.

AMG 426 - Airline Management

Units: 3

When Offered: Spring

Introduces the airline industry, including the history and unique aspects of the industry. Provides an in-depth study of the structure of airlines, including route planning, fleet selection, maintenance requirements, passenger services, marketing, and pricing.

AMG 427 - Aviation Finance

Units: 3

When Offered: Fall

Introduces aviation-specific financial management principles, including financial document analysis, financial ratios, forecasting, financing, and asset management. Uses spreadsheet, presentation, word processing and internet search tools to analyze financial reports, calculate ratios, and solve financial problems.

AMG 442 - Aviation Consulting

Units: 3

When Offered: Spring

An overview of the consulting industry, including an in-depth study of the many aspects of consulting, such as RFPs, RFQs, and the bid process.

AMG 499 - Aviation Management Capstone

Units: 3

When Offered: Spring

Provides a senior culminating experience for aviation management majors.

Prerequisite(s): Senior status

ANT 200 - Special Topics in Anthropology

Units: 3

When Offered: As offered

An in-depth seminar on a selected topic within Anthropology.

Repeatable: Course is repeatable for credit with a change in topic

Prerequisite(s): ANT 225 or BEH 100

ANT 225 - Cultural Anthropology

Units: 3

GE Designation: M

When Offered: Fall, Spring

A general survey of Cultural Anthropology from a behavioral, cognitive, and material perspective and viewed as a social science, focuses on cultural factors that affect human behavior, including a brief overview of the four major fields of anthropology. Topics include cultural change, language, family, religious practices, economic subsistence patterns, and political power systems.

ANT 315 - Health and Holistic Healing

Units: 3

When Offered: Fall, Spring

This course provides students with a greater perspective of the ways in which various cultures engage with and understand health and illness. Students will gain understanding of the political and economic structures embedded within health systems.

ANT 320 - Ethnomedicine

Units: 3

When Offered: Spring

A general survey to the field of medical anthropology, with a special focus on ethnomedicine. Topics covered include cross-cultural views of human health, disease and illness, healing, and ideologies of the body. Theoretical and methodological approaches used by medical anthropologist are also taught as they shed light on different ethnomedical systems. Special focus will be on reading ethnographic materials from Western and non-Western setting to explore how health, illness, and healing are culturally shaped and mediated.

Prerequisite(s): ANT 225, BEH 100, or Instructor Permission

ANT 325 - Physical Anthropology and Archaeology

Units: 3

GE Designation: M

When Offered: Spring

A general survey of Physical Anthropology, including evolutionary theory, the primate fossil record, primatology, human variability, and genetics. The history, methods, and theories of archaeology are also considered - covering all eras of the human past, from prehistoric to modern times.

ANT 340 - Theory in Anthropology

Units: 3

GE Designation: M

When Offered: Fall

This course addresses anthropological theory in a historical context and explores how the discipline has developed over time. Theories of culture are the main focus, though archeological, physical, and linguistic anthropological theories are discussed. Approaches to understanding human behavior from cognitive, material, and behavioral approaches are central.

Prerequisite(s): ANT 225 or BEH 100

ANT 350 - Language and Culture

Units: 3

GE Designation: M

When Offered: Spring

An examination of the relationship between culture and language including a basic understanding of language, the development of language, linguistic aspects of culture and how the symbiosis of language and culture affect individuals, groups and nations.

ANT 360 - Globalization and Culture

Units: 3

GE Designation: M

When Offered: Spring

This course explores the nature of globalization from multiple perspectives, but especially as evidenced in increasingly dynamic national and ethnic identities, (im)migration, economic disparity, and social systems. Students consider how various cultural elements (including gender ideologies, family systems, religious practices, and economic and political traditions) have been affected as a result of globalization. Using comparative methods alongside anthropological and historical theories, students engage in an interdisciplinary approach to understanding globalization.

ANT 399 - Independent Study

Units: 3

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

Prerequisite(s): ANT 225 or BEH 100

ANT 400 - Special Topics in Anthropology

Units: 3

GE Designation: M

When Offered: As offered

An in-depth seminar on a selected topic within Anthropology.

Repeatable: Course is repeatable for credit with a change in topic

ANT 410 - Economic and Political Anthropology

Units: 3

GE Designation: I, M

When Offered: Spring

This course will examine patterns of subsistence (economics) and social organization and control. Focusing on case studies and theoretical perspectives in anthropology regarding economics and political systems, students will explore the meaning and function of various approaches to subsistence and social organization. Using the comparative perspective (ethnology), students will also critically assess democracy as it is contextualized among various people groups to consider various forms of political engagement and shape their own views of how cultural groups employ these patterns of culture.

ANT 430 - Culture and Personality

Units: 3

GE Designation: M

When Offered: Fall

This course focuses on the interaction between personal patterns of behavior and social influences, paying particular attention to media influence and a history of social and psychological perspectives. Students will consider the dynamic

between environment and heredity (nature/nurture) as they explore several facets of human behavior.

Prerequisite(s): ANT 225 or BEH 100

ANT 440 - Internship in Anthropology

Units: 3

When Offered: Fall, Spring

This course is practical application of basic anthropological principles in community or campus responsibilities under professional supervision.

Grade Type: Pass/Fail.

Prerequisite(s): ANT 225 and permission of the Dean

ANT 450 - Family and Gender Studies

Units: 3

GE Designation: M

When Offered: Fall

This course explores a diversity of family systems, both modern and historic. Focusing on case studies and theoretical perspectives in anthropology, students will explore the tangible roles family and gender play in everyday life throughout the world. Using the comparative perspective (ethnology), students will shape their perspectives about family and gender through the exploration of cultural groups and the extent to which they employ dynamic family and gender roles.

ANT 460 - Religion and Culture

Units: 3

GE Designation: M

When Offered: Fall

This course examines an anthropological approach to religion and magic, and its relationship to symbolism, myths, sacred spaces, and rituals. This course investigates anthropological theories of religion providing a multicultural analysis of numerous forms of religious expression. Additionally, this course will examine the subject of "religion" as it intersects with economics, politics, gender, secularism, and post-colonialism.

APT 192 - Foundations for Ministry

Units: 3

GE Designation: M

When Offered: Fall

This course is an introduction to the expectations of the Bachelor of Applied Theology program. Emphasis is given to spiritual foundations for ministry, including personal and church discipleship. Attention is given to models of discipleship and the student's development of a personal strategy of discipleship.

Prerequisite(s): Bachelor of Applied Theology major

APT 292 - Theology of Pastoral Ministry

Units: 3

GE Designation: M

When Offered: Spring

This course is an introduction to the practical ministry responsibilities inherent in the role of a pastor. Emphasis is given to the normal functions of the pastors in the observance of the ordinances, wedding, counseling, and conflict

management. Emphasis is also given to challenges confronting contemporary pastors in providing pastoral leadership and care for congregations.

APT 293 - Supervised Church Ministry Internship I

Units: 2

GE Designation: M

When Offered: Spring

A more intensive application of APT 292 in the Applied Theology program. The student will progressively have the opportunity to focus on the accomplishment of ministry in a specific ministry context, while continuing to integrate various elements of a semester's study.

Prerequisite(s): APT 292

APT 352 - The Pastor as Worship Leader

Units: 3

When Offered: Spring

The Pastor as Worship Leader is a study of the role of the pastor as it applies to the facilitation of worship in the local church. Emphasis will be given to the theology, history, purpose, function, and application of worship, various musical and ministry styles of corporate worship, practical worship ministry and leadership structures, and an empathetic examination of the worship artist, musician, and leader.

APT 365 - Doctrine of the Church

Units: 3

When Offered: Fall

This course examines key biblical passages related to the church, overviews major historical positions of the church and assesses related models of pastoral leadership, ministry and preaching. The emphasis of the course is to help students develop a biblical and practical theology of the church.

APT 371 - Christian Theology I

Units: 3

When Offered: Fall

An expanded study of the biblical doctrines of God, humanity, and sin.

Prerequisite(s): Bachelor of Applied Theology or Christian Studies major

APT 372 - Christian Theology II

Units: 3

When Offered: Spring

An expanded study of the biblical doctrines of salvation, the person of Christ, the church, and last things.

Prerequisite(s): Bachelor of Applied Theology or Christian Studies major

APT 392 - Supervised Church Ministry Internship II

Units: 2

When Offered: Fall

A more intensive application of APT 293 in the Applied Theology program under the guidance of a university supervisor. The student will progressively have opportunities for ministry involvement, mentoring and ministry skill development. The emphasis of the course is for the student understanding of the priority and implementation of

evangelism and missions in the ministry of the church.

Prerequisite(s): APT 293

APT 393 - Supervised Church Ministry Internship III

Units: 2

When Offered: Spring

A more intensive application of APT 392 in the Applied Theology program under the guidance of a university supervisor. The student will progressively have opportunities for ministry involvement, mentoring and ministry skill development. The emphasis of the course is upon development of communication skills in preaching and teaching of the Bible.

Prerequisite(s): APT 392

APT 452 - Advanced Biblical Preaching

Units: 3

When Offered: Fall

This course prepares students in communicating the truth of the ancient scriptures to modern people. It explores the variations of crafting of expository sermons. The course will examine how sermons can be constructed to reflect the genre of the biblical literature: narrative, poetry, psalms, history, prophecy, parable, apocalyptic, and epistles.

Prerequisite(s): CST 451

APT 482 - Pastoral Leadership

Units: 3

When Offered: Spring

Pastoral Leadership is an intensive study of the leadership role of the pastor in relation to the nature of the church, leadership models, leadership challengers, and practical leadership strategies.

APT 490 - Reading Seminar

Units: 3

When Offered: Fall

This course seeks to help advanced theology students focus their attention on major figures, writings, and doctrines in theology. The student will read a major work (or excerpts) of representative theologians such as Augustine, Martin Luther, John Calvin, Jonathan Edwards, Dietrich Bonhoeffer, Carl Henry, and John Stott. Particular attention will be given to the writings, teachings, influence, as well as the theological systems linked to each theologian.

APT 492 - Supervised Church Ministry Internship IV

Units: 2

When Offered: Fall

A more intensive application of APT 393 in the Applied Theology program under the guidance of a university supervisor. The student will progressively have opportunities for ministry involvement, mentoring and ministry skill development. The emphasis of the course is the development of leadership skills.

Prerequisite(s): APT 393

APT 493 - Senior Project

Units: 3

When Offered: Spring

A more intensive application of APT 492 in the Applied Theology program. The student will progressively have the opportunity to focus on the accomplishment of ministry in a specific ministry context, while continuing to integrate various elements of a semester's study.

Prerequisite(s): APT 492

ARC 120 - Design Communication

Units: 3

When Offered: Fall

The course will establish a base of design concepts and knowledge with an introduction to references and ideas to foster independent inquiry. The course will introduce graphic communications through a series of two dimensional exercises; developing foundational skills.

Prerequisite(s): CAVAD major

ARC 122 - Design Fundamentals

Units: 6

When Offered: Spring

The course will establish a base of design concepts and knowledge with an introduction to references and ideas to foster independent inquiry. The course will develop foundational appreciation and skills for effective three-dimensional (3D) visual expression through graphic representation.

Prerequisite(s): ARC 120 and CAVAD major

Pre- or Co- Requisite(s): DES 110

ARC 200 - Special Topics in Architecture

Units: 1-3

When Offered: As offered

This course will focus on various studio and lecture courses, which explore and present selected topics in architecture and design.

Repeatable: May be repeated for credit with change in topic

ARC 205 - Introduction to the Profession

Units: 1

When Offered: Spring

The purpose of this course is to make students familiar with the inner-workings of the profession of architecture. Students will be introduced to how a professional office functions, expectations for graduates entering the profession, and the expectations of the required internship experience. Students will visit architectural offices, hear from various professionals, be exposed to the standards of the profession and led through how to look for a job with such exercises as mock interviews. Topics include: resume and portfolio creation, finding an internship, internship assessment, the psychology of the workplace, different types of management structures and work environments, and collaboration.

Prerequisite(s): Sophomore status and Architecture major

ARC 210 - Design Studio I

Units: 6

When Offered: Fall

The studio explores and develops conceptual strategies for basic formal and spatial design, emphasizing the role of ordering principles and of fundamental architectonic elements in the implementation of design intentions. Students also will be introduced to foundational processes for developing design projects through the application of formal analytical

vocabulary, diagramming, drawing methods and conventions, and three-dimensional modeling.

Prerequisite(s): ARC 122 and CAVAD major

ARC 212 - Design Studio II

Units: 6

When Offered: Spring

The studio focuses on conceptualization and implementation of architectural ideas in response to environment, landscape, site and enclosure, as applied to a specific program and building type. Students will continue to develop the foundational design processes introduced in previous studios, and will be introduced to the role of rigorous precedent analysis in the generation of architectural ideas.

Prerequisite(s): ARC 210

ARC 220 - Computer Modeling

Units: 3

GE Designation: I

When Offered: Spring

The course will be an advanced course to develop an awareness and understanding of the role of Building Information Modeling in the student's ability to study design ideas and present those ideas in the various design disciplines. Emphasis will be on the relationship of computer graphics with the design process.

Prerequisite(s): ARC 120 and CAVAD major

ARC 240 - Architectural History I

Units: 3

When Offered: Fall

The course will cover formal, theoretical, material, pragmatic and conceptual aspects of architecture, cities and art, examined in relation to their cultural contexts, from pre-history to circa 1400.

Prerequisite(s): CAVAD major

ARC 242 - Architectural History II

Units: 3

When Offered: Spring

The course will cover formal, theoretical, material, pragmatic and conceptual aspects of architecture, cities and art, examined in relation to their cultural contexts, from circa 1400 to the present.

Prerequisite(s): CAVAD major

ARC 280 - Materials and Methods

Units: 3

When Offered: Fall

Introduction to materials and methods of the construction of buildings emphasizing the integration of design and technology. Includes comprehensive introduction to the construction of buildings and their systems, materials and methods, and their implications on building sustainability and design decision-making. Common construction methods and details are introduced. Material applications in structural and non-structural building components are explored. CAD and BIM systems are used to develop construction documents for a case study building. Skills developed include analysis of building form and function, understanding design and material selection interrelationships, and communication of ideas through drawing.

ARC 280L - Materials and Methods Integration

Units: 1

When Offered: Fall

Application and integration of ARC 280 with architecture design process exercises or architecture design studio exercises.

Pre- or Co- Requisite(s): ARC 280

ARC 310 - Design Studio III

Units: 6

When Offered: Fall

The studio focuses on conceptualization and implementation of architectural ideas throughout the process of pre-design, programmatic development, site design, and building design. Emphasis will be placed on architectural design as an interpretation and accommodation of various human activities through the exploration of program, perception, scale, proportion, life-safety code and accessibility requirements. Students will continue to develop the design processes introduced in previous studios.

Prerequisite(s): ARC 212

ARC 312 - Design Studio IV

Units: 6

When Offered: Spring

The studio draws upon the three previous courses in the studio sequence, emphasizing the integrative nature of architectural design. Students will develop and demonstrate their abilities to conceptualize and implement building designs that bring together basic design principles, structural and envelope systems, environmental systems, programmatic and building service systems and egress, through the design of housing.

Prerequisite(s): ARC 310

ARC 320 - Portfolio Design

Units: 1

When Offered: Spring

The aim of the portfolio seminar is to introduce students to the process of developing a critical position in relationship to their design work and to introduce students to the craft of portfolio production. Students will engage multiple forms of representation ranging from written text to graphic elements-exploring different approaches which facilitate the description of their design work. Students will be challenged to explore past, present, and current projects in ultimate production of multiple versions of a design portfolio during the course.

Prerequisite(s): Junior status

ARC 350 - Architectural Theory I

Units: 3

When Offered: Spring

The purpose of this course is to enable students to understand the formation and context of various architectural ideas. This course on architectural theory provides students with a means to propose and navigate architectural discourse as a part of their development as architects.

Prerequisite(s): CAVAD major

ARC 370 - Professional Preparation

Units: 3

When Offered: Spring

Professional Preparation provides an introduction to the profession of architecture through an 1) exploration of the structures of practice including how an office functions and expectations of internship experience; 2) exploration of a critical position of the student in relationship to their design work resulting in the craft of portfolio production; 3) development of professional skills and documents required to obtain a job in professional practice setting; and 4) examination of leadership skills as applied within an architectural practice setting.

Prerequisite(s): CAVAD major and permission of the Dean

ARC 380 - Thermal Environmental Systems

Units: 3

When Offered: Fall

This course deals with the thermal and environmental processes which effect buildings and how the designer responds to or manipulates the thermal environment. It is necessary for the architect to understand those processes, the human response to them and the impact of them. The class will be organized around the why, what and how of these issues and processes.

Prerequisite(s): PHY 115

ARC 385 - Luminous and Sonic Environmental Systems

Units: 3

When Offered: Spring

The course deals with those building elements that pertain to the visual and aural conditioning for the purposes of human use and comfort. The basic principles of light (natural and electrical) and acoustical systems, their integration with other building systems and the impact on the aesthetics of design will be stressed. Plumbing and electrical systems also will be presented. The sustainability of various systems will be explored.

Prerequisite(s): CAVAD major and permission of the Dean

ARC 393 - Structural Systems I

Units: 3

When Offered: Fall

Introductory course in statics and strengths of materials for architects. The course provides both qualitative understanding and quantitative understanding, but places a specific focus on the conceptual relationships between structure and form. Topics include static systems, tension and compression, bending and shear stress, combined stresses, strain, cross-sectional considerations, and the physical behavior of structural materials and systems. Additionally, this course integrates the above material with design studio processes via course projects and course format.

Prerequisite(s): MAT 145 or 245

ARC 393L - Structural Systems I Integration

Units: 1

When Offered: Fall

Application and integration of ARC 393 with architecture design process exercises or architecture design studio exercises.

Pre- or Co- Requisite(s): ARC 393

ARC 400 - Special Topics in Architecture

Units: 1-3

When Offered: As offered

The course will focus on various studio and lecture courses, which explore and present selected topics in architecture and design.

Repeatable: May be repeated for credit with change in topic

ARC 410 - Design Studio V

Units: 6

When Offered: Fall

This course is an advanced design studio that assumes a high level of proficiency in design process and representation, as well as in other content areas developed in previous studios. This studio focuses on the conceptualization and implementation of comprehensive architectural design. Students will be expected to draw upon all previous coursework in order to thoroughly develop a project from a detailed program. Emphasis will be placed on the elaboration of architectural ideas through integration and syntheses of structural, environmental, envelope, building assemblies, life-safety systems and the principles of sustainability.

Prerequisite(s): ARC 312

Pre- or Co- Requisite(s): ARC 480 and 493

ARC 412 - Design Studio VI

Units: 6

When Offered: Spring

The studio is an advanced design studio that promotes the critical, creative and innovative exploration of environmental, human and tectonic factors associated architectural design process and design thinking. Additional focus will be on understanding the theoretical and applied research methodologies and practices used during the design process.

Prerequisite(s): ARC 410

ARC 432 - Special Topics in Architecture History

Units: 3

When Offered: As offered

This course focuses on different subjects regarding the history of architecture each time it is offered. Designed to provide opportunities to explore, in detail, various aspects of the rich tapestry of the history of mankind as manifested in built form.

Repeatable: May be repeated once for credit with change in topic

ARC 434 - Southern California Modernism

Units: 3

When Offered: As offered

An exploration of Southern California's unique contributions to the development and expansion of American modernism through lectures, discussions, guest presenters and field trips.

ARC 438 - Architecture Photography

Units: 3

When Offered: As offered

This course introduces Architecture students to the fundamentals of architectural photography. After a grounding in general photographic and visual theory, we will examine the urban and architectural landscape, ultimately focusing on

specific concerns in exterior and interior photography. Principles of artificial lighting, color theory and spatial abstraction will be explored along with a general grounding in photo history and criticism.

ARC 460 - International Design Seminar

Units: 3

When Offered: Spring, Summer

The course offers students an opportunity to learn, discuss, and analyze historical and contemporary architecture theory, criticism, and design principles on location. Raises and addresses architectural questions of composition, society, politics, and environment. Offered only abroad.

Prerequisite(s): Junior status

ARC 462 - International History and Theory Seminar

Units: 3

GE Designation: I, M

When Offered: Spring, Summer

The course covers the detailed history of architecture and urban development in the host city, from its founding to the present. Offered only abroad.

Prerequisite(s): Junior status

ARC 480 - Advanced Sustainable Systems

Units: 3

When Offered: Fall

This course will explore the history, goals, methods of design, quantification, and holistic integration of sustainable systems in architecture. Specific topics include design strategies for energy reduction, passive heating and cooling, comparative energy modeling, photovoltaic systems, envelope design, life cycle analysis, and sustainable vernacular architecture. Through readings, lectures, research, and projects, students will develop the theoretical framework and technical skills to implement fundamental sustainable strategies in architectural design and to evaluate their impact.

Prerequisite(s): ARC 380

ARC 491 - Architecture Internship

Units: 1-3

When Offered: As offered

The purpose of this course is to expose students to the profession of architecture in a professional office setting, familiarize students with a professional working environment, prepare students for future employment and allow students to start their AXP process.

Grade Type: Pass/Fail

Prerequisite(s): ARC 370

ARC 492 - Architecture Integrated Experience

Units: 1-3

When Offered: As offered

This course serves as an alternate to an architectural internship. The purpose of this course is to expose students to the profession of architecture by becoming aware of and having the opportunity to practice the skill sets needed to be a successful architect in the workplace. Further this course aims to prepare students for future employment and allow students to start their AXP process.

Grade Type: Pass/Fail.

Prerequisite(s): ARC 370

ARC 493 - Structural Systems II

Units: 3

When Offered: Fall

Introduction to and application of a systems approach of structural design and analysis of buildings for architects. Topics include considerations of steel, concrete, timber, and long-spans structures. Introduction to structural analysis including introduction to typical structural analysis computer programs. Integration of course material with design studio processes via course projects and course format.

Prerequisite(s): ARC 393

ARC 493L - Structural Systems II Integration

Units: 1

When Offered: Fall

Application and integration of ARC 493 with architecture design process exercises or architecture design studio exercises.

Pre- or Co- Requisite(s): ARC 493

ART 200 - Special Problems in Art

Units: 1-3

GE Designation: M

When Offered: As offered

Specialized instruction in various media. For the advanced art student capable of exploring a personal direction in his/her creative work.

Repeatable: May be repeated twice for credit with change of topic

ART 201 - Principles of Design and Color

Units: 4

GE Designation: M

When Offered: Fall, Spring

An introduction to the principles of two-dimensional design and color theory and their use as tools for effective visual communication.

ART 202 - Art Appreciation

Units: 3

GE Designation: M

When Offered: Spring

The class will discuss art in its broadest context. Students will recognize and appreciate their impulse to create by considering the role of the artist through history, across cultures, and in our own time. The students will develop a working familiarity with art in general so art becomes a natural component of understanding the world.

ART 203 - Printmaking I

Units: 4

When Offered: Spring (even years)

This is a studio course designed to facilitate the creation of original prints using a variety of printmaking techniques. Methods such as monotype, relief (woodcut, linoleum), and intaglio will be explored.

Fee: Additional lab fee

Prerequisite(s): ART 201, and 204 or 208

ART 204 - Drawing I

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course is one of the foundation courses that develop the perceptual and technical skills for effective drawing. Presents drawing as an essential tool for visual expression. This course is also recommended for general education.

ART 207 - Watercolor I

Units: 4

When Offered: Fall

This is a studio course designed to introduce the novice art student to the art of watercolor painting. The basic quality of transparency will be explored in tandem representational exercises.

ART 208 - Studio Drawing I

Units: 4

When Offered: Spring

This course functions as the introductory drawing course for Art majors and minors. In it, the perceptual and technical skills, and the basic media of drawing are introduced and exercised. Drawing as a historic art form is studied and used to develop a sophisticated awareness of its current expressive potential. Credit cannot be earned for ART 204 and 208.

ART 225 - Sculpture I

Units: 4

GE Designation: M

When Offered: Fall (odd years)

Basic elements of sculpture. Creating forms in clay, plaster, paper, and multi-media techniques.

ART 226 - Sculpture II

Units: 3

When Offered: Spring (even years)

Similar to ART 225. Emphasis on clay hand building and modeling. Some work in found objects and multi-media techniques.

Prerequisite(s): ART 225

ART 232 - Ceramics I

Units: 3

GE Designation: M

When Offered: Fall, Spring

Introduction to working with clay, using pinch, coil, slab and wheel; applying glazes, exploring decorating techniques using oxides. History of clay as an art form.

ART 241 - Global History of Art: Ancient to Medieval

Units: 3

GE Designation: M

When Offered: Fall

This course will introduce you to the major monuments of art and architecture across the globe beginning with prehistoric civilizations and ending with medieval societies. As a survey, we will be covering a wide range of objects, concepts, terms, chronology, and geography.

ART 242 - Global History of Art: Renaissance to Contemporary

Units: 3

GE Designation: M

When Offered: Spring

This course will introduce you to the major monuments of art and architecture across the globe beginning with medieval societies and ending with the modern world. As a survey, we will be covering a wide range of objects, concepts, terms, chronology, and geography.

ART 283 - Painting I

Units: 4

GE Designation: M

When Offered: Fall (even years)

Projects introduce traditional painting methods in oils or acrylic paints. Applied studio work, slide lectures, group discussions, and field trips are possible.

Repeatable: May be repeated one time for credit

Prerequisite(s): ART 201, 204, or 208

ART 300 - Advanced Art

Units: 4

GE Designation: M

When Offered: Fall (even years)

An essential course for the serious art student. Projects include multimedia community outreach opportunities; such past projects have been local elementary school murals, public sculptures, and collaborations with other departments on campus. More experimental art processes will also be explored in this class such as indigo dye painting, cyanotypes, and image transfer techniques. Emphasis on developing individual student skills and concepts.

Prerequisite(s): ART 201, 204, or 208

ART 301 - Color, Theory, and Application

Units: 4

When Offered: Fall (odd years)

This is a combination studio and lecture course that focuses exclusively on issues of color, its aesthetic, symbolic and psychological dimensions, as related to visual expression. This content is applicable to both fine art and design-related fields.

Prerequisite(s): ART 201

ART 305 - Figure Drawing I

Units: 4

When Offered: Fall (even years)

This course is dedicated to developing facility at rendering the human form in a variety of dry media. The context for this is drawing from live models (clothed), augmented with anatomical drawing exercises. It will also introduce students to the metaphorical and expressive possibilities of the human form.

Prerequisite(s): ART 204 or 208

ART 314 - Drawing II

Units: 4

When Offered: Spring (even years)

This course is a continuation and expansion of more advanced techniques in drawing. There will be an emphasis on concept building and storytelling through visual imagery. Students will explore new ways to think and approach drawing and the drawing surface.

Prerequisite(s): ART 204 or 208

ART 323 - New Genre

Units: 3

When Offered: As offered

This course is an introduction and exploration in inter-media art. It will encourage interface and comparison within art and other disciplines.

ART 326 - Contemporary Art Issues

Units: 3

When Offered: Spring (odd years)

Students will be reading writings by a variety of cultural theorists and historians, site visits, guest speakers, experiments and class discussions. Topics of Fine Art vs. Visual Culture (mass culture, printed matter, etc.) will be major points of exploration and discussion. This course is not a studio class but a class which discusses studio practices and ideas.

Prerequisite(s): ART 204 or 208

ART 345 - Nineteenth Century Art History

Units: 3

GE Designation: M

When Offered: As offered

A study of the major developments in the visual arts in Europe from David to the first Impressionist show in 1874. Lecture and slides.

Prerequisite(s): ART 241 or 242

ART 346 - History of Modern Painting

Units: 3

GE Designation: M

When Offered: As offered

A study of the development of modern painting from the French Impressionist movement to the present day in the United States. Lecture and slides.

Prerequisite(s): ART 241 or 242

ART 347 - Contemporary Art History

Units: 3

When Offered: As offered

This course critically examines visual art and design on a global scale from 1945 to the present. We will consider art in its broader framework of "visual culture" that includes performance, installation, print media, video, and propaganda.

Prerequisite(s): ART 241 or 242

ART 351 - Museum Studies

Units: 3

GE Designation: M

When Offered: Fall

The course will examine the pivotal role that the curators play in museums, and the ways in which the expanding art-world functions today. It will introduce students to aspects of museum work, with an emphasis on the role of the fine arts curator and curatorial theory and how this can integrate with becoming a professional arts administrator.

Repeatable: May be repeated one time for credit

Prerequisite(s): ART 241, 242, or PHO 140

ART 353 - Ceramics II

Units: 3

When Offered: Spring

Developing clay as an art form; study of properties of clay, glaze and their origin; fusion of materials; stacking and loading kiln, emphasis on wheel throwing.

Prerequisite(s): ART 232

ART 361 - Art of Latin America

Units: 3

When Offered: As offered

As an introduction to the ancient Americas, this course will focus on seven major cultures in Mesoamerica (Olmec, Teotihuacan, Maya, and Aztec) and Andean South America (Chavín, Moche, and Inca). The course concludes with the arrival of Spanish explorers in the 16th century and a brief analysis of new visual forms produced in response to new social, political, and religious contexts.

Prerequisite(s): ART 241 or 242

ART 371 - Art of Southeast Asia

Units: 3

When Offered: As offered

This course covers the development of art in India and Southeast Asia (i.e. Cambodia, Thailand, Burma (Myanmar), Vietnam, and Indonesia) from pre-historic periods to the present.

Prerequisite(s): ART 241 or 242

ART 381 - Women in the Arts

Units: 3

When Offered: As offered

This course will focus on women both as the subjects and the creators of art. It will be organized chronologically and thematically. This will involve a historical survey of women artists and their artistic contributions, as well as an examination of the religious, mythological and secular images of women in art. Extensive attention will be given to the creation, modification, and persistence of these images throughout history, due to their respective religious, social,

economical, psychological, and intellectual conditions.

Prerequisite(s): ART 241 or 242

ART 383 - Painting II

Units: 4

GE Designation: M

When Offered: Spring (odd years)

Projects further develop skills learned in ART 283 - Painting I. Applied studio work, slide lectures, group discussions, and field trips are possible.

Prerequisite(s): ART 283

ART 385 - Film as Visual Art

Units: 3

GE Designation: M

When Offered: As offered

Film as Visual Art is a study of masterworks of cinematic art with an emphasis on visual aesthetics and cultural influences. The class will examine selected International cinematic classics, focusing on the film's director, or 'auteur'. The French idea of "camera as style" (pen) will be explored through the film director's use of camera angles, composition, editing, and lighting will be explored and deconstructed, in a manner consistent with traditional forms of visual art. Also under consideration will be the way that these visual elements stand in dynamic and creative tension with the visual culture of their national origin or context. Included in this would be fashion, art, politics, and philosophy.

ART 387 - Contemporary Visual Arts and Culture

Units: 3

GE Designation: I, M

When Offered: Online and Professional Studies

Contemporary Visual Arts and Culture is a study of the causes and effects of the proliferation of new media in 21st century Western Society. This class explores post-modern theory and a tactile approach to the elements that make up the visual world. By exploring advertising, television, film, digital image making, arts and crafts, social media, and both public and private spaces, this course considers the roles of consumers, creators, and critics of visual culture, while engaging with a Christian world view of these cultural practices.

ART 391 - Art Theory

Units: 3

When Offered: Fall (odd years)

This is a seminar style class in which readings, critique sessions, writing, discussion, peer review, and the making of original artwork are used to discuss topics in art theory. This writing-centered course provides a forum for the exploration of contemporary art theories and practice. The course also examines the role of artists and artmaking in contemporary culture so students must respond critically to the subject matter at hand, analyze the texts and art works, and understand the methods, practices, and materials utilized in the creation of contemporary art.

ART 399 - Independent Study

Units: 1-3

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of

particular interest.

Repeatable: May be repeated for a maximum of six (6) units of credit

ART 400 - Special Problems in Art

Units: 1-3

GE Designation: M

When Offered: As offered

Specialized instruction in various media. For the advanced art student capable of exploring a personal direction in his or her creative work.

Repeatable: May be repeated twice for credit with a change of topic

ART 401 - Projects in Design and Color

Units: 3

GE Designation: M

When Offered: As offered

A continuation of ART 201. Advanced study of the principles of two-dimensional design and color theory and their use as tools for effective visual communication.

Prerequisite(s): ART 201

ART 405 - Figure Drawing II

Units: 4

When Offered: Spring (odd years)

This is a studio course whose aim is to develop increased mastery of the perceptual, technical, and compositional skills involved with figure drawing.

Prerequisite(s): ART 305

ART 411 - Topics in Art

Units: 1-4

When Offered: As offered

Projects in topics of current interest not normally covered by established courses. Content variable.

Repeatable: May be repeated twice for credit with a change of topic

ART 412 - Topics in Art History

Units: 1-4

GE Designation: M

When Offered: As offered

Projects in Art History topics of current interest not normally covered by established courses. Content variable.

Repeatable: May be repeated twice for credit with a change of topic

ART 414 - Drawing III

Units: 4

When Offered: As offered

This course is to focus on a continuation of skill development, with an emphasis on individual style and expression.

This course is structured to encourage personal voice through idea generation, material investigation, technical refinement and research. Students are encouraged to push the boundaries as they investigate materials, subject matter,

process and interpretation related to image making.

Prerequisite(s): ART 314

ART 415 - Aesthetics and the Classroom

Units: 3

GE Designation: M

When Offered: Fall

An upper division and graduate level course for the classroom teacher and liberal studies major. Also meets the art history requirement for Visual Arts. Studies assumptions we make about art, investigates our difficulties in understanding art, builds skill in perceiving and communicating about art, and connects lessons learned to practical classroom application.

ART 430 - Art and the Bible

Units: 3

GE Designation: M

When Offered: Fall, Spring

A study of the dynamic relationship, which has historically existed between the content of Biblical texts and visual art, with consideration also being given to select examples of music and literature.

ART 432 - Sculpture III

Units: 3

When Offered: As offered

Advanced problems in sculpture and individual problems in various media. For Art majors and those who wish to develop individual statements in a sculptural media.

Prerequisite(s): ART 225 or 226

ART 450 - Internship in Visual Arts

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position, utilizing principles of visual arts acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of visual arts as a whole.

Prerequisite(s): Permission of the Department Chair

ART 451 - Internship in Visual Arts

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position, utilizing principles of visual arts acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of visual arts as a whole.

Prerequisite(s): ART 450 and permission of the Department Chair

ART 453 - Ceramics III

Units: 3

When Offered: Spring

Advanced pottery with emphasis on wheel throwing and design problems. Individual objectives will more or less regulate the type of work done, although specific assignments will be given. Advanced-level performance is expected.

Prerequisite(s): ART 353

ART 499 - Senior Exhibition

Units: 3

When Offered: Fall, Spring

Senior Exhibition provides unit reward for the work art majors perform en route to the creation and mounting of their required thesis exhibit.

Prerequisite(s): Senior status and permission of the Department Chair

ASL 115 - American Sign Language I

Units: 3

GE Designation: M

When Offered: Fall, Spring

An introductory course designed for students with no previous experience using ASL. Beginning with the alphabet, students will learn the basic components of ASL-fingerspelling, vocabulary, grammar and syntax, expressive and receptive skills, along with Deaf culture and social etiquette.

ASL 125 - American Sign Language II

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course is for students who possess a functional knowledge of fingerspelling, vocabulary formation, placement and directionality. Acquaintance with current and historical aspects of Deaf culture and social etiquette is also assumed. In this course students will refine their expressive and receptive skills, while broadening their understanding of the Deaf-world. Must pass with a C- or better to continue in ASL 215.

Prerequisite(s): ASL 115

ASL 215 - Intermediate American Sign Language I

Units: 3

GE Designation: M

When Offered: Fall

Students will be introduced to advanced language and vocabulary development with special emphasis placed on sentence construction and expressive skills. The course will provide further development of conversational techniques and use of ASL in normal everyday situations such as the location of items around the home, complaints, making suggestions and requests, and exchanging personal information through life events. This course will also expand the study of Deaf cultural issues. Must pass with a C- or better to continue in ASL 225.

Prerequisite(s): ASL 125

ASL 225 - Intermediate American Sign Language II

Units: 3

GE Designation: M

When Offered: Spring

This course will introduce students to the art of hand shape storytelling and legends within the Deaf community. This section will include the grammatical use of ASL in sign movements conveyed and modified in the language, how and when to use facial movements; and how body, head and eye movements are used in phrasing and agreement. In this section, students will learn to sign everyday information through description and identification of things and talking about weekend events. Class emphasis will be on expressive and receptive skills.

Prerequisite(s): ASL 215

AVN 110 - Introduction to Aviation

Units: 3

When Offered: Fall

A survey of the U.S. aviation industry, including the history of aviation, attributes of an aviation professional, career planning, certification, airports, airspace, air traffic control, and navigational aids.

AVN 200 - Special Topics in General Aviation

Units: 3

When Offered: As offered

Designed to allow a student to engage in directed in-depth study on issues associated with general aviation.

Repeatable: May be repeated once for credit

AVN 210 - Aviation Meteorology

Units: 3

When Offered: Fall

An in-depth study of aviation weather, including temperature, atmospheric pressure, wind and moisture, stability, turbulence, clouds, air masses, fronts, thunderstorms, and icing. A study of weather charts, weather reports, and forecasts.

AVN 300 - Aviation Research, Writing and Communication

Units: 3

When Offered: Fall

A review of techniques necessary to complete a research project on an aviation topic, including data collection techniques, literature review procedures, data analysis, proper structure of reports, American Psychological Association (APA) formatting, and the manuscript submission process.

AVN 310 - Aviation Law and Regulations

Units: 3

When Offered: Spring

An in-depth study of various U.S. federal aviation regulations and legislation affecting the aviation industry, including 14 CFR Parts 1, 25, 61, 67, 91, 121, 139, 175, and NTSB Part 830. An examination of the international aviation environment, such as standards and recommended practices promulgated by the International Civil Aviation Organization.

AVN 400 - Special Topics in Commercial Aviation

Units: 3

When Offered: As offered

Designed to allow a student to engage in directed in-depth study on issues associated with commercial aviation.

Repeatable: May be repeated once for credit

AVN 450 - Cooperative Education I

Units: 3

When Offered: As offered

Provides students with opportunities for on-the-job experiences related to academic major.

Grade Type: Pass/Fail

Prerequisite(s): Permission of the Department Chair

AVN 451 - Cooperative Education II

Units: 3

When Offered: As offered

Provides students with opportunities for on-the-job experiences related to academic major.

Grade Type: Pass/Fail

Prerequisite(s): Permission of the Department Chair

AVN 490 - Internship I

Units: 3

When Offered: As offered

Provides students with opportunities for on-the-job experiences related to their academic major.

Grade Type: Pass/Fail

Prerequisite(s): Permission of the Department Chair

AVN 491 - Internship II

Units: 3

When Offered: As offered

Provides students with opportunities for on-the-job experiences related to their academic major.

Grade Type: Pass/Fail

Prerequisite(s): Permission of the Department Chair

BEH 097 - Research Assistant

Units: 0

When Offered: As offered

This course is designed to provide students a deeper understanding of the behavioral and social sciences by participating in the scientific research process under the individualized mentorship of faculty. Students enrolled in this course will gain valuable insight into the entire research process (conceptualization, measurement development, participant recruitment, data collection, entry, analysis, as well as write-up and dissemination, as applicable), preparing them to engage with the professional fields of behavioral and social sciences and to conduct their own independent research.

Repeatable: May be repeated for credit

Grade Type: Pass/Fail

BEH 100 - Survey of the Behavioral Sciences

Units: 3

When Offered: Fall, Spring

This course introduces the student to the primary Behavioral Sciences of Anthropology, Psychology, Sociology and Christian Behavioral Sciences. The course addresses human beings and behavior from the distinctive theoretical perspectives of each of these behavioral sciences. General subject areas include theory and methodology of Behavioral Science research, human biology and behavior, personality and human development in a socio-cultural context, behavior in the context of ethics and values, and social and cultural change.

BEH 200 - Special Topics in Behavioral Sciences

Units: 1-3

When Offered: As offered

An in-depth seminar on a selected topic within the Behavioral Sciences.

Repeatable: Course is repeatable for credit with a change in topic

BEH 250 - Reading and Writing in the Behavioral Sciences

Units: 3

When Offered: Online and Professional Studies

In this course, students learn to write formal manuscripts using APA style. They also learn to read, understand, and critically evaluate behavioral science research as presented in academic journals and conferences. Learners in this course build foundational skills needed to succeed in their future courses. Students may only earn credit for either BEH 250 or BEH 255.

BEH 255 - Foundational Skills in Behavioral Sciences I

Units: 3

When Offered: Fall, Spring

This course is an introduction to the writing and evaluation of academic research articles. Additionally, students are taught basic logic, APA style, and grammar skills as they relate to writing and evaluating research articles. Students will select a capstone topic and submit the project introduction section. Classroom exercises will not include direct use of SPSS.

Prerequisite(s): Traditional Student

BEH 256 - Foundational Skills Behavioral Sciences II

Units: 3

When Offered: Fall, Spring

This course is a continuation in the study of writing and evaluation of academic research articles. Students will use basic logic, APA style and grammar skills to write a literature review for a capstone research project. Additionally, students will evaluate and choose survey instruments for this project and formalize project methodology. Classroom exercises will not include direct use of SPSS.

Prerequisite(s): BEH 255

BEH 290 - Introduction to Research Methods

Units: 3

When Offered: Online and Professional Studies

This course provides a comprehensive overview of both quantitative and qualitative research methods used in behavioral science research, along with an understanding of the ethical considerations and other challenges involved in

good research design. Additional topics include measurement, sampling, and qualitative and quantitative data analysis. Students may only earn credit for either BEH 256 or 290.

BEH 333 - Epistemology and Worldview

Units: 3

GE Designation: I

When Offered: Fall, Spring

This course examines the basic models of integrating the Christian faith and modern behavioral sciences, including the development of Biblical examples of worldview and epistemology. Emphasis is placed upon the student's development of a personal theory of integration.

BEH 334 - Global Social Service Engagement Practicum

Units: 3

When Offered: As offered

This practicum incorporates instruction to prepare students for their summer global engagement through class lectures and a research paper. Cultural awareness and sensitivity as well as an understanding of a biblical worldview of global social problems are key components of instruction. Additionally, the practicum provides an opportunity to travel abroad, working with social service providers in a non-profit organization within the host country.

Prerequisite(s): ANT 225, BEH 100, PSY 213, or SOC 213

BEH 350 - Statistics for the Behavioral Sciences

Units: 4

When Offered: Online and Professional Studies

Introduction to descriptive statistics and probability, probability distributions, estimation, tests of hypotheses, chi-square tests, regression analysis, and correlation with applications in the behavioral sciences. Course emphasizes selection, application, and interpretation of appropriate statistical tests. Includes laboratory applications of statistical software to behavioral science data.

Prerequisite(s): BEH 290, and MAT 115 or higher

BEH 383 - Statistics and Research Methodology I

Units: 4

When Offered: Fall, Spring

This course introduces the various quantitative and qualitative methodologies utilized in behavioral science research. Also included are the collection, treatment, and interpretation of data in research and testing using a statistical analysis application.

Lecture: Three hours **Lab:** Three hours

Prerequisite(s): BEH 256, and either MAT 115 or STA 144

BEH 385 - Statistics and Research Methodology II

Units: 4

When Offered: Fall, Spring

This course presents some of the more complex quantitative and qualitative methodologies utilized in behavioral science research. It builds on the various concepts of quantitative research, qualitative research, data collection, analysis, and interpretation introduced in previous courses. This course continues the development of student proficiency with basic and intermediate functions of a statistical analysis application.

Lecture: Three hours **Lab:** Three hours

Prerequisite(s): BEH 383

BEH 391 - Intermediate Statistics with Computer Applications

Units: 4

When Offered: Online and Professional Studies

Using a statistics software application, this course will examine applied statistics emphasizing correlational methods such as multiple regression and factor analysis, as well as analysis of variance and covariance for analyzing experimental data. Laboratory activities involve selecting the appropriate statistical tests, interpreting the results, and scientific report writing.

Prerequisite(s): BEH 350

BEH 399 - Independent Study

Units: 1-3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

BEH 400 - Special Topics in Behavioral Science

Units: 1-3

When Offered: As offered

An in-depth seminar on a selected topic within the Behavioral Sciences.

Repeatable: Course is repeatable for credit with a change in topic

BEH 480 - Capstone

Units: 3

When Offered: Fall, Spring

This course provides students the opportunity to integrate and demonstrate learning from their major, evaluate their own strengths and weaknesses, and demonstrate an understanding of the integration of a Christian worldview and their major field of study. Students will evaluate their personal goals, calling and purpose as well as develop skills to move toward successful and fruitful participation in multiple levels of community, including graduate school and careers.

Prerequisite(s): Senior status

BIO 101 - Orientation to the Discipline

Units: 1

When Offered: As offered

This course is designed to introduce students to the basic skills necessary for academic success in the discipline of Biology and to provide students with an overview of professions in which the major may be applied.

Grade Type: Pass/Fail

BIO 114 - General Botany with Lab

Units: 4

When Offered: Spring

A study of the physiology, morphology, reproduction, and a survey of the plant kingdom, including fungi, algae, liverworts, mosses, ferns, gymnosperms and angiosperms. Emphasis will be placed on the development, reproduction,

and the relevance of plants to humans.

Lecture: 3 units **Lab:** 1 unit.

Fee: Additional lab fee

BIO 143 - Principles of Biology

Units: 3

When Offered: Fall, Spring, Summer

An introductory course in biological principles intended for non-majors. Emphasis on scientific method, chemistry of life, interpretation of data, morphology and physiology of animals and plants, genetics, and current biological problems. Meets the general education requirement for natural sciences.

BIO 143L - Principles of Biology Lab

Units: 1

When Offered: Fall, Spring, Summer

Laboratory exercises in biology emphasizing basic scientific principles used in biology.

Fee: Additional lab fee

Pre- or Co- Requisite(s): BIO 143

BIO 146 - General Biology I with Lab

Units: 4

When Offered: Fall, Spring, Summer

Topics covered include cell structure and function, genetics, reproduction, and development of animal systems.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

BIO 148 - General Biology II with Lab

Units: 4

When Offered: Fall, Spring, Summer

Includes organismal biology of animals and plants, their behavior, ecology, evolution, and adaptations.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

BIO 153 - Anatomy and Physiology I with Lab

Units: 4

When Offered: Fall, Spring, Summer

This course is designed for professional nursing and general college students. Included are a general survey of human histology and the study of structure and function of organ systems of the human body, including the integumentary, skeletal, muscular, endocrine, and nervous systems. Structure and function of sensory organs are also included in the course. Correlated by laboratory experience and demonstration.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

BIO 163 - Anatomy and Physiology II with Lab

Units: 4

When Offered: Fall, Spring, Summer

A continuation of BIO 153 - Anatomy and Physiology I with Lab. Included is the study of structure and function of the circulatory (blood, heart, blood vessels and circulation), lymphatic, immune, respiratory, urinary and reproductive systems. Recommended: BIO 153.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

BIO 173 - Medical Terminology

Units: 3

GE Designation: I

When Offered: Fall, Spring

The analysis of the Greek and Latin components of medical and biological terms with the objective of developing skills in word recognition and word building.

BIO 200 - Topics in Biology

Units: 1-4

This class deals with research projects and topics of current or historical interest which are not normally covered in other established courses. Content variable from year to year.

BIO 204 - Microbiology for Engineers

Units: 2

When Offered: Fall

This course covers the basic science of environmental microbiology using an integrated lecture and laboratory approach. Topics covered include basic microbiological concepts, classification of organisms, chemical composition of life (carbohydrates, nucleic acids, proteins, and lipids), the cell (Prokaryotes, Eukaryotes, cell membrane, organelles), cell biology, types of pathogenic organisms, causes of microbial disease, energy and metabolism, Eubacteria, Fungi, algae, viruses, bacterial growth, microbial environments (earth, air, water, extreme), detection, enumeration, and identification.

Fee: Additional lab fee.

Prerequisite(s): CHE 115 or 130

BIO 205 - Human Microbiology with Lab

Units: 4

When Offered: Fall, Spring, Summer

A study of microorganisms with special emphasis on bacteria and viruses in the human environment.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

BIO 302 - Ecology with Lab

Units: 4

When Offered: Spring (even years)

The study of the interrelations of plants and animals in relation to the environment. Field study and local ecology are emphasized.

Fee: Additional lab fee

Prerequisite(s): BIO 114, 143, or 146

BIO 305 - Microbiology with Lab

Units: 4**When Offered:** Fall, Spring

A general survey of microorganisms with an emphasis on bacteria. The study includes morphologic characteristics, growth, reproduction, metabolism, genetics and taxonomy of bacteria; a general survey of viruses, fungi, protozoans and algae; and microbiology of food, water, soil and industry. Mechanisms of pathogenesis and control of microorganisms of human relevance will also be introduced.

Lecture: 3 units **Lab:** 1 unit**Fee:** Additional lab fee**Prerequisite(s):** BIO 146 or 153. Recommended: High school Chemistry or CHE 102**BIO 313 - Genetics****Units: 4****When Offered:** Fall, Spring

The principles of genetics including Mendelian, nature of genetic materials, chromosome mechanics, genetic recombination, and gene action. Emphasis will be placed on the transmission of genetic factors.

Prerequisite(s): BIO 146**BIO 316 - Comparative Anatomy with Lab****Units: 4****When Offered:** Fall

A comparative study of the functional anatomy of the vertebrates; laboratory dissection of representative vertebrates (spiny dogfish, mud puppy, cat).

Lecture: 3 units **Lab:** 1 unit**Fee:** Additional lab fee**Prerequisite(s):** BIO 148**BIO 324 - Developmental Biology with Lab****Units: 4****When Offered:** Fall, Spring

Descriptive and experimental study of the vertebrate embryonic development.

Lecture: 3 units **Lab:** 1 unit**Fee:** Additional lab fee**Prerequisite(s):** BIO 146**BIO 330 - Cell and Molecular Biology with Lab****Units: 4****When Offered:** Fall, Spring

An examination of the structure, ultrastructure, organization, and functions of cells, with emphasis on bioenergetics, membranes, organelles, genes and gene regulation, genetic control of cell division and differentiation, structure and function of biological macromolecules, particularly nucleic acids and proteins. Mechanisms of DNA replication and repair, transcription and translation will be studied, in addition to bacteriophage and eukaryotic virus biology, mobile genetic elements and genetic engineering.

Lecture: 3 units **Lab:** 1 unit**Fee:** Additional lab fee**Prerequisite(s):** BIO 146 and 148. Recommended: CHE 125**BIO 344 - Vertebrate Physiology with Lab**

Units: 4

When Offered: Spring

Principles of physiology and the function of vertebrate organ systems with emphasis on human.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): BIO 148 and CHE 115

BIO 353 - Advanced Human Anatomy and Physiology I with Lab

Units: 4

When Offered: Fall

This course is designed for students with a primary interest in careers in medicine, dentistry, and other allied healthcare professions, and graduate education in biological sciences and biochemistry. Included is the detailed study of histology and structure and function of the integumentary, skeletal, muscular, nervous and endocrine systems, correlated by laboratory experience and demonstration. Lab will incorporate current selected relevant peer-reviewed scientific literature and problem-based learning to facilitate students' introductory knowledge of common pathologies, diagnoses, and treatment, along with integration of virtual human cadaver (anatomage) and advanced physiology equipment.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): BIO 146, 148 and CHE 125

BIO 363 - Advanced Human Anatomy and Physiology II with Lab

Units: 4

When Offered: Spring

This course is a continuation of BIO 353 and includes the detailed study of the cardiovascular system, respiratory system, immune and lymphatic systems, gastrointestinal system, urinary system, and reproductive systems, correlated with laboratory experience and demonstration. Lab will incorporate current selected relevant peer-reviewed scientific literature and problem-based learning to facilitate students' introductory knowledge of common pathologies, diagnoses, and treatment, along with integration of virtual human cadaver (anatomage) and advanced physiology equipment.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): BIO 353

BIO 380 - Biology Seminar

Units: 1

When Offered: Fall, Spring

This course will introduce and reinforce the skills necessary to perform biological research including discussions of the scientific method, literature research, reading scientific journal articles, analyzing scientific data, reporting research findings in both written and visual formats, critiquing original research, and science ethics. It will also explore field work opportunities available for students. Each student will be required to present a research proposal and/or locate and prepare all necessary documents for entering an internship, field work, or research opportunity.

Prerequisite(s): Biology major

BIO 399 - Independent Study

Units: 3

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

BIO 400 - Invertebrate Zoology with Lab

Units: 4

When Offered: As offered

Particular attention is given to taxonomy, morphologic adaptations, ecology, reproduction, and evolutionary relationships of invertebrates.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): BIO 146 or 148

BIO 412 - Topics in Biology

Units: 1-4

When Offered: As offered

This class deals with research projects and topics of current or historical interest which are not normally covered in other established courses. Content variable from year to year.

Repeatable: May be repeated with change in topic for a maximum of twelve (12) units of credit

BIO 430 - Laboratory Techniques in Molecular Biology

Units: 2

When Offered: Spring

This laboratory-based course is designed for each student to gain a fundamental knowledge of molecular biology techniques that are regularly used in a research lab setting.

Fee: Additional lab fee

Prerequisite(s): BIO 330 and CHE 443

BIO 435 - Proteomics, Genomics, and Bioinformatics with Lab

Units: 4

When Offered: Spring

This course introduces students to concepts in molecular and genetic basis of cellular processes and the inferences made of these processes through genome and protein database analysis and modeling. Emphasis will be placed on theoretical and experimental approaches used to gain insights in genome structure and function through the use and application of web-based bioinformatics tools developed from advances in the human genome project.

Fee: Additional lab fee

Prerequisite(s): BIO 330 or CHE 443

BIO 440 - Pharmacology with Discussion

Units: 4

When Offered: Fall

This course will introduce the student to basic and clinical pharmacology as related to the promotion of health and alleviation of disease. The course will consider drug absorption, distribution, metabolism, elimination, and pharmacodynamic effects on the human body. Prescription drug classification, function and uses will be introduced with emphasis on the impact medically prescribed drug classification, function and uses will be introduced with emphasis on the impact medically prescribed drugs will have on the patient. Students will increase their understanding of drug design and action, as well as their understanding of disease and pharmacotherapeutic treatment.

Prerequisite(s): BIO 330, and either 344, 353, or both 153 and 163

BIO 489 - Immunology and Molecular Pathogenesis with Lab

Units: 4

When Offered: Spring

This course is designed for upper division biology students, particularly those enrolled in the pre-medical and pre-health sciences. Various aspects of the immune system, including the cellular, molecular, and physiological aspects of innate and antibody and cell-mediated adaptive immunity, as they relate to pathogenesis will be covered in the course.

Fee: Additional lab fee

Prerequisite(s): BIO 146 and 148. Recommended: BIO 305 and 330

BIO 490 - Senior Research in Biology

Units: 1-4

When Offered: Fall, Spring, Summer

This class focuses on laboratory research projects and topics of current or historical interest that are not normally covered in other established courses. Content varies from year to year, and determined by both instructor and student's interest.

Repeatable: May be repeated for up to four (4) total units

Prerequisite(s): BIO 148, Junior status, and permission of the Department Chair

BIO 491 - Internship in Biology

Units: 1-4

Under the advisement of a faculty member and supervising professional, the student will work or otherwise actively participate in a work/volunteer setting related to their major in Biology. This can be in an industrial, research, healthcare, or other approved setting. Variable (1-4) units can be earned in any one semester.

Repeatable: May be repeated for up to six (6) total units of credit

Prerequisite(s): Biology major and Junior or Senior status

BIO 492 - Wellness Practicum

Units: 2

When Offered: Fall, Spring

A study of key issues concerning community healthcare aimed at developing practical approaches to supporting patients. Students consider obstacles to effective healthcare as well as strategies for enabling at-risk patients to play more active roles in promoting their health and well-being. Topics include: challenges of delivering adequate healthcare in communities, population medicine, specific problems posed by diabetes, obesity and cardiovascular disease, ethical dimensions of the concept of "underinsurance," community medicine and the law, and methods of improving compliance and measuring outcomes. Conducted as a seminar, this course provides students with the academic foundation for a subsequent Health Coach Internship with the Inland Empire Foundation for Medical Care (IEFMC) Community Care Network (CCN).

Prerequisite(s): Permission of the Department Chair

BIO 499 - Biology Capstone

Units: 2

When Offered: Fall, Spring

This course is designed to be a culminating exercise for students to reflect upon, evaluate, and assimilate knowledge and experience they have gained by participating in a research or internship opportunity prior to this course. Students will prepare a presentation (both written and oral) that will focus on that experience.

Pre- or Co- Requirement(s): BIO 380

BUS 101 - Introduction to Business

Units: 3

When Offered: Fall, Spring

Introduces students to various business disciplines, provides an overview of each function's role in an organization and explores the various career opportunities available within each of these disciplines.

BUS 200 - Special Topics in Business

Units: 3

When Offered: As offered

This course offers a concentration upon a specific topic in the field of business. The topic varies by semester. It may be taken multiple times with change in topic.

Repeatable: Repeatable with change of topic

BUS 212 - Economics, Life, and Society

Units: 3

When Offered: Fall, Spring

A fascinating exploration of current topics affecting our daily lives, including standard of living, poverty and inequality, healthcare, education, work and labor, housing, family structure, financial and credit markets, food and agriculture, energy, trade and globalization, and environmental concerns, through an integrated lens of economics, politics, social structures, and ethics, by introducing the historical background, asking critical questions, evaluating information, and developing grounded worldviews.

BUS 217 - Microeconomics

Units: 3

When Offered: Fall, Spring

This course studies economic behavior at the individual level. Topics include decision-making processes of households and firms, supply and demand, elasticity, and marginal analysis. Market structure and public policy are examined to evaluate their impact on economic welfare and the allocation of scarce resources.

BUS 218 - Macroeconomics

Units: 3

When Offered: Fall, Spring

This course offers a common sense approach to economics, covering basic economic laws and how they apply to our world and everyday life. The course focuses on the overall economy and economic theories that offer explanations for its fluctuations and changes. Also, the course is designed to give the student a sufficient grounding in the terminology, basic concepts, and issues of economics to stimulate interest in further study and provide background in business.

BUS 237 - Management Based on Biblical Principles

Units: 3

GE Designation: I

When Offered: Fall, Spring

In this course students learn to identify and apply effective management and leadership behaviors based on principles found in the Bible. This course will equip each student with skills in making biblically-informed choices in realistic business scenarios.

BUS 303 - Business Finance

Units: 3

When Offered: Fall, Spring

This course provides an introduction to the principles of financial management. It includes an overview of financial management, financial analysis and control, capital investment decisions, raising funds and cost of capital, sources of long-term funds and cash management principles.

Prerequisite(s): ACC 250 or 350, and CIS 265 or 270

BUS 315 - Business Statistics

Units: 3

When Offered: Fall, Spring

This course includes the assembling and presentation of statistical data, probability distributions, sampling techniques, and statistical analysis. A project with practical problem solving is required.

Prerequisite(s): CIS 265 or 270, and MAT 115, 123 or higher or STA 144

BUS 334 - International Business

Units: 3

When Offered: Fall, Spring

An introduction to international business which will expose students to major international business issues, including international trade, cultures, economics, marketing, and communication issues of multinational corporations.

BUS 337 - Management with Biblical Foundation

Units: 3

GE Designation: I

When Offered: Online and Professional Studies

A study of management and decision-making principles with a strong emphasis on integrating a biblical foundation. Key biblical principles of business and administration are studied.

BUS 341 - Operations Management

Units: 3

When Offered: Online and Professional Studies

The course focuses on the systematic planning, design, and operations of the business process that ultimately impacts the management of production and the delivery of goods and services to end-users. Particular emphasis will give an overview of the business processes, and outlines and supports the understanding of how a business operates. The topics of the course will cover the tactical and strategic sourcing relationships of resources including supply aspect, purchasing, procurement, forecasting, inventory control, quality, sustainability, work-in-process, and negotiations that provide management with the tools to deliver goods and services to end-users.

BUS 343 - Human Resource Management

Units: 3

When Offered: Spring

This is a survey of the principles and practices involved in supervising employees and administering personnel programs. It includes the study of human resource planning, recruitment, selection, training and development, and compensation and benefits.

BUS 349 - Communication Strategy in Management

Units: 3

When Offered: Online and Professional Studies

A study of communication theory applied to organizational management and leadership. Students will develop, practice, and apply skills and techniques of communication strategy essential to external and inter-organizational communication, interpersonal and group communication, and written and oral communication.

BUS 352 - Global Supply Chain Management

Units: 3

When Offered: Online and Professional Studies

The course focuses on the design and management of global supply chain systems that vary in size, thus aiding in the understanding of how to develop assets and configure processes in a firm's supply chain that enable the firm to develop operational competencies that are aligned with competitive strategies to manage the global supply chain. Particular emphasis will focus on the processes that facilitate the structure, development, and management of a global supply chain.

BUS 356 - Business Communication

Units: 3

When Offered: Fall (even years)

This course emphasizes individual, interpersonal and intercultural communication concepts. Special emphasis is placed on the various functions of communication concepts in a business environment.

BUS 358 - Business Law

Units: 3

When Offered: Fall, Spring

This course covers the law of sales, employment, contracts, negotiable instruments, agency and partnerships, corporations, insurance, real and personal property, estates, and bankruptcy.

BUS 359 - Intellectual Property Law

Units: 3

When Offered: As offered

The course will examine technology policy, patent law, trademark law, copyright law, trade secrets, intrusions on privacy and other personal rights, biotechnology, e-commerce, important contract issues for technology companies, tort liabilities for physical and economic harms, antitrust and anticompetitive conductor.

BUS 363 - Microfinance

Units: 3

When Offered: Spring (odd years)

This course examines microfinance as a business oriented tool to help alleviate global poverty so that sustainable, systematic change might occur. Students will define and explore the growing practice of microfinance and its impact here in the United States and around the world. Emphasis is on using microfinance tools, business strategies, and innovation to address the social and economic problems.

BUS 374 - Entrepreneurial Finance

Units: 3

When Offered: As offered

An overview of financial principles as they apply to the entrepreneurial environment. Topics covered include an introduction to the financial environment for entrepreneurs, development of business and financial plans, organizing and financing a new venture, measuring and evaluating financial performance, obtaining financing, creating value, and structuring for growth. Additional topics will be included as applicable to the entrepreneurial environment.

Prerequisite(s): BUS 303

BUS 398 - Study Abroad

Units: 3

When Offered: As offered

Under faculty supervision, the student will study abroad in a business emphasis area. This is an opportunity for students to learn business principles in a non-U.S. setting and to explore varying world views.

Prerequisite(s): Permission of the Dean

BUS 399 - Independent Study

Units: 3

When Offered: As offered

This course provides for individual study, seminar, and internship approaches to the study of business. Experimental education is encouraged. Student consulting to small businesses is often undertaken.

BUS 400 - Special Topics in Business

Units: 3

When Offered: As offered

This course offers a concentration upon a specific topic in the field of business. The topic varies by semester.

Repeatable: May be repeated with change in topic for a maximum of twelve (12) units of credit

BUS 435 - Leadership in Organizations

Units: 3

When Offered: Spring (even years)

This course examines the basic concepts, theories, nature and practices of leadership and leadership behavior. A major assumption of the course content is that there is a difference between management and leadership, a difference succinctly characterized in the observation, "Lead people; manage things." An emphasis on integrating biblical principles and leadership will also be studied. Real-world applications are done through extensive case studies. Students completing this course for credit may not also earn credit for LDR 310.

BUS 440 - Quantitative Business Analysis

Units: 3

When Offered: Fall, Spring

This course explores quantitative methods utilized in business decision-making, with an emphasis placed on problem solving and evaluation, as well as applications in marketing, finance, accounting, and operations. Topics may include decision analysis, linear programming, forecasting techniques, statistical process control, and inventory models. A project with practical problem solving is required.

Prerequisite(s): BUS 315

BUS 452 - Logistics Planning and Controlling

Units: 3

When Offered: Online and Professional Studies

The course focuses on management techniques with analytical framework needed to solve problems associated with a firm's logistics planning and control. The course covers the core competencies to manage the planning, implementing, controlling, and distributing of goods and services for a firm. This course will address topics of production planning and scheduling, inventory management, and the design and management of supply and distribution networks.

BUS 454 - International Management

Units: 3

When Offered: Spring (odd years)

This course examines the role of the manager in the international management environment and explores the foundation of international management, the role of culture in managing internationally, and international organizational behavior issues with a focus on managing international risk and strategic planning in all areas of management.

Prerequisite(s): BUS 334

BUS 463 - Business and Organizational Management

Units: 3

When Offered: Fall, Spring

This course is the study of management theories and the functional concepts of leadership, planning, and decision making. Special emphasis is placed on quality issues, globalism, diversity, ethics, productivity, motivation, skill development, and human resource management. An emphasis on integrating biblical principles and leadership will also be studied.

BUS 464 - Family Business Management

Units: 3

When Offered: Spring (odd years)

The study of the unique issues faced by family owned and operated businesses. Theoretical foundations, differences between family and non-family firms, generational differences, succession, estate planning, family meetings, conflict management strategies, and boards of directors will be discussed.

BUS 474 - International Business Finance

Units: 3

When Offered: Fall (odd years)

Interpretation of finance principles from an international perspective. Topics include overview of the international monetary system, balance of payments, world financial markets and institutions. Additionally, management issues for multi-national firms are covered, including cost of capital, multinational cash management, and tax issues.

Prerequisite(s): BUS 303

BUS 475 - Project and Team Management

Units: 3

When Offered: Fall (even years)

This course focuses both on general management theory and specific project and team practices useful in the rapidly shifting environment of technology. Particular emphasis is given to the range of diverse techniques required to meet the challenges of managing teams to the successful completion of technology projects in the contemporary workplace. A comprehensive project will be completed in a group setting using Project Management theory and techniques.

BUS 485 - Business Policy and Strategy

Units: 3

When Offered: Fall, Spring

This is an integrative study of senior management functions using advanced case analysis, focusing on general management and decision making. Topics include setting objectives; implementing, supporting, and controlling organization-wide policies; developing strategies to achieve objectives; setting standards for measuring performance; evaluating and reformulating policies in response to change; and fulfilling leadership responsibilities.

Prerequisite(s): BUS 303, 463 or ENT 462, and MKT 333

BUS 489 - Business Practicum

Units: 1-3

When Offered: As offered

Students will apply business knowledge to collaboratively complete a designated project for an outside organization.

Repeatable: May be repeated for a maximum of six (6) units of credit

Prerequisite(s): Permission of the Dean

BUS 491 - Internship in Business

Units: 1-3

When Offered: Fall, Spring, Summer

Under faculty supervision, the student will be assigned to a business or non-profit organization in an emphasis area (Business Technology, Marketing, Management). This is an opportunity for field experience in applying business principles.

Repeatable: May be repeated for a maximum of six (6) units of credit

Prerequisite(s): Permission of the Dean

BUS 496 - Foundations of Business Management

Units: 3

When Offered: As offered

This is a foundational course for all MBA students. It is designed to ensure all MBA students have the knowledge and skills required to be successful in the MBA program. Students will be required to demonstrate competency in finance, global business, economics, organizational behavior, operations management, human resources, ethics, and law. This course will also help students bridge the scholar-practitioner divide through teaching research and critical thinking skills needed to be successful in the program.

Prerequisite(s): Permission of the MBA Program Director

BUS 497 - Organizational Dynamics of the New Millennium

Units: 3

When Offered: As offered

The course examines evidence based principles, methods, and techniques found useful in designing, managing, and leading a 21st century organization. Topics include motivation, productivity, organizational design, corporate culture, benefits and rewards, decision making, stress, conflict, diversity, ethics, groups, teams, and power and politics.

Prerequisite(s): Permission of the MBA Program Director

BUS 498 - Senior Exit Exam

Units: 0

When Offered: Fall, Spring

The student will take an exit exam.

Grade Type: Pass/Fail

Prerequisite(s): Senior status

CBS 200 - Special Topics in Christian Behavioral Science

Units: 1-3

When Offered: As offered

An in-depth seminar on a selected topic within Christian Behavioral Science.

Repeatable: Course is repeatable for credit with a change in topic

CBS 303 - Marriage and Family in the Christian Community

Units: 3

GE Designation: I

When Offered: Fall, Spring

A comparison of Marriage and Family systems in Biblical and American cultural perspectives. The course will contrast and compare the foundations of marriage in Western Culture and the Judeo-Christian worldview. Family roles and relational development will also be addressed. Marital adjustment including finances, marital sexuality, communication and parenting will be presented from a Biblical approach.

CBS 350 - Development and Discipleship

Units: 3

GE Designation: I

When Offered: Spring

This course examines the relationship between human development as it is understood within the Behavioral Sciences and Discipleship as formation, transformation, and reformation within the Judeo-Christian theologies. Subjects include Biblical perspectives on faith development, discipleship, learning, maturity, and biblical life cycle. It further examines development as a biological, cognitive, relational, and spiritual process that moves toward maturity and wisdom in the context of life and life-to-life relationships. Specifically, it addresses this as an overall aspect of discipleship of children and converts within the Judeo-Christian religious traditions.

Prerequisite(s): BEH 333

CBS 399 - Independent Study

Units: 1-3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

CBS 400 - Special Topics in Christian Behavioral Science

Units: 1-3

When Offered: Fall, Spring

An in-depth seminar on a selected topic within Christian Behavioral Science. The course will introduce students to the historical and contemporary literature and issues related to the selected topic as well as encourage critical thinking. Specifically, consideration will be given to the differences between a secular and biblical view of the selected topic.

Repeatable: May be repeated once for credit with change in topic

CBS 403 - Congregation and Community

Units: 3

GE Designation: I

When Offered: Fall

An overview of Christian congregation and community from theological and behavioral science perspectives. Subjects include the function and purpose of Christian Institutions including the household and congregation as a place of discipleship, worship, fellowship and relational reconciliation. Secondary institutions will include Christian media, economics, law and education. The impact of the shift from Christian nationalism to post-Christian America will be addressed.

CBS 415 - Biblical Wisdom and Human Behavior

Units: 3

GE Designation: I

When Offered: Fall

A comprehensive examination of the principles for living found in the Biblical Wisdom literature. The principles will be applied to several areas of human behavior including personality development, abnormality and mental health, cognition, emotions, marriage and family life, authority, work, financial management, and citizenship. The implications for personal choices, parenting, counseling, teaching and ministry will be thoroughly considered.

CBS 420 - Behavioral Implications of Theology

Units: 3

GE Designation: I

When Offered: Spring

Examination of the behavioral, cognitive, and affective implications of specific doctrinal beliefs. Systematic theology is interpreted as a basis for understanding human behavior. Subjects include bibliology (Bible), theology (God), soteriology (salvation), hamartiology (sin), ecclesiology (church), and anthropology (man), with particular attention to application in Christian education and counseling.

CBS 423 - Models of Christian Counseling

Units: 3

GE Designation: I

When Offered: Spring

An examination of current Christian-oriented counseling approaches toward the development of a personal integrated model of counseling that is distinctly Christian. The models will be considered in light of the essentials of a biblical theology of counseling. Further attention will be given to understanding the differences between clinical and congregational approaches to counseling.

Prerequisite(s): BEH 333

CBS 433 - Foundations of Pastoral Counseling

Units: 3

When Offered: Fall (odd years)

This course will introduce the student to ministerial counseling at the relational, theological and practical levels. The student will understand the place of counseling in ministry and discipleship and will be exposed to the major areas of counseling that is found in a religious and congregational context. In addition, the student will be exposed to the integration of theology and Behavioral Science theory and methods to both compare and contrast these approaches.

CBS 499 - Senior Project: Christian Behavioral Science

Units: 3

When Offered: As offered

A special project paper to be researched and written during the senior year that addresses a specific focus of Christian Behavioral Science. This course cannot be taken if more than two other courses in major are not completed. The format is a guided-study under the direction of at least two professors from the College of Behavioral and Social Sciences. The final project will approximate a journal article and should be of such content and format to be submitted for publication.

Prerequisite(s): Permission of the Dean

CDS 101 - Introduction to Communication Disorders

Units: 3

When Offered: Fall, Spring

This is an introductory course that is designed to meet the requirements of the American Speech-Language-Hearing Association's (ASHA) knowledge standards in the areas of normal processes, communication disorders, and clinical application. Students will demonstrate a basic knowledge of common speech, language, and hearing disorders, including etiologies, characteristics, prevention, assessment, and intervention.

CDS 230 - Phonetics

Units: 3

When Offered: Fall, Spring

Phonetics is the study of the sounds that make up language. Both phonetic theory and practical phonetic analysis will be studied. Students in this course will learn how to transcribe English (and some non-English) sounds using the International Phonetic Alphabet. They will also learn how the sounds of language are produced and how to use software that generates sonograms - visual representations of the sounds. The analysis of sonograms is a useful clinical as well as prominent research tool.

Prerequisite(s): CDS 101

CDS 240 - Speech and Hearing Anatomy and Physiology

Units: 3

When Offered: Fall, Spring

This course introduces students to the anatomy and physiology relevant to the production of speech, perception of sound, and swallowing process. Students will learn the structures, muscles and functions of respiration, phonation, articulation, sound perception, and swallowing. This knowledge of normal human anatomy and physiology is the foundation upon which the study of speech, hearing and swallowing disorders is built.

Prerequisite(s): BIO 153

CDS 250 - Typical and Atypical Language Development

Units: 3

When Offered: Fall, Spring

This course is designed to provide undergraduate students a thorough understanding of language development from birth through adulthood. Students will first learn the cognitive, motor, perceptual, and social bases of language, and how development in these domains influences language development. Students learn the domains of language and how these domains interrelate to form a complete language system. Finally, language development through school-age, adolescence and adulthood will be covered, including literacy development.

CDS 310 - Introduction to Audiology

Units: 3

When Offered: Fall, Spring

This course introduces students to the profession of audiology and provides an overview of auditory function and the basic principles of audiologic assessment.

CDS 320 - Aural Rehabilitation

Units: 3

When Offered: Spring

In this course students will study the effects of hearing loss on perceptual, cognitive, communicative, educational, occupational, social, and emotional aspects of life for all age ranges. Students will be able to identify common intervention techniques and build proficiency in the application of assessment tools, and developing recommendations for rehabilitation for infants through adults.

Prerequisite(s): CDS 101

CDS 330 - Speech Hearing Sciences

Units: 3

When Offered: Fall, Spring

This course provides a brief review of the anatomy and acoustics relevant to the production of speech and perception of sound. Students will then learn the scientific principles driving the processes of respiration, phonation, articulation, and sound perception. This course explores many scientific concepts and theories that explain how humans produce and perceive speech. Clinical measures and imaging techniques of respiration, phonation, articulation, hearing, and brain function will be covered. Clinical application of concepts and theories will be covered heavily.

Prerequisite(s): CDS 230 and 240

CDS 340 - Clinical Methods and Procedures

Units: 3

When Offered: Fall, Spring

This is a comprehensive course that will prepare students for clinical practicum courses and, ultimately, clinical practice. Students will learn the entire clinical practice, including taking and giving referrals, taking case histories, assessing/ treating patients, and writing documentation. Students will also learn coding and billing for private insurance, Medicaid and Medicare. Navigating ethical issues, protecting PHI, maintaining licensure, establishing professional networks, and managing a case load will also be covered.

Prerequisite(s): CDS 250

CDS 400 - Special Topics in Communication Disorders

Units: 3

When Offered: As offered

This course will teach advanced topics in specialized communication disorders areas such as articulation, fluency, voice and resonance, receptive and expressive language, hearing, swallowing, cognitive aspects, social aspects, and communication modalities. The specific topic will be announced each semester offered.

Repeatable: May be repeated with a change in topic for a maximum of twelve (12) units of credit

Prerequisite(s): CDS 101 and 230

CDS 405 - Fluency Disorders

Units: 3

When Offered: Fall, Spring

The course will cover the nature, theories, etiology, assessment and management of fluency disorders from preschool children through adults. Students will also be introduced to etiologies, assessment and management of neurogenic dysfluency. Students will be introduced to application of various assessment and treatment strategies with clients across the age span and across settings.

Prerequisite(s): CDS 240

CDS 410 - Language Disorders in Children

Units: 3

When Offered: Fall, Spring

This course is designed to provide undergraduate students an introduction to language disorders in young and school-age children. Students learn receptive and expressive language development and disorders in children, analysis of the components of language and how each component is involved in language disorders. This course covers the basic principles of language assessment and intervention, and the unique presentations and treatments for various sub-groups of children with language impairment.

Prerequisite(s): CDS 250

CDS 420 - Articulation and Phonological Disorders

Units: 3

When Offered: Fall, Spring

The purpose of this course is to provide speech development of typical and atypical children and theoretical bases of phonology and phonetics describing speech sound disorders. Students will learn the basics of assessment and treatment in articulation and phonological disorders. Students will learn about various aspects of articulation and phonological disorders including anatomy and physiology of articulation, characteristics of different kinds of speech production disorders, phonetic and phonemic assessment and treatment approaches.

Prerequisite(s): CDS 230

CDS 430 - Neurogenic and Neurological Disorders

Units: 3

When Offered: Fall

This is an introductory level course designed to acquaint students with the basics of neuroanatomy and neurophysiology and related communication disorders. Students will learn the etiologies, symptoms and treatment methods for the aphasia, RHD, apraxia, dysarthria, TBI and dementias. Effective counseling methods for this population of patients and their families will also be covered.

Prerequisite(s): CDS 240

CDS 440 - Voice and Craniofacial Disorders

Units: 3

When Offered: Fall, Spring

This course will begin with a brief review of the anatomy and physiology of the head and neck. Students will then learn about underlying conditions that cause structural communication disorders including but not limited to vocal fold pathology and craniofacial disorders. Students will be introduced to assessment and management of the speech, voice and resonance disorders that occur in structural communication disorders.

Prerequisite(s): CDS 240

CDS 491 - Internship in Communication Disorders

Units: 1-4

When Offered: As offered

Under the advisement of a faculty member and supervision of communication disorders profession, the student will work or otherwise actively participate in a community-based communication disorders setting.

Repeatable: May be repeated for a maximum of six (6) units of credit

Prerequisite(s): Communications Disorders major, and Junior or Senior status

CDS 495 - Speech Language Pathology Assistant Clinical Practicum

Units: 3

When Offered: Fall, Spring

The course has a three-fold objective: 1) to provide a minimum of 126 hours of supervised undergraduate clinical practicum; 2) to provide students with understanding of the scope of roles and responsibilities, laws and regulations, ethics, and other related issues of employment as a Speech-Language Pathology Assistant; 3) to self-review and assess their attainment of professional experience in the College of Health Science.

Prerequisite(s): CDS 340, 410, 420, and permission of the Department Chair

CHE 101 - Orientation to the Discipline

Units: 1

When Offered: Fall, Spring

This course is designed to introduce students to the basic skills necessary for academic success in the discipline of Chemistry and to provide students with an overview of professions in which the major may be applied.

Grade Type: Pass/Fail.

Prerequisite(s): Declared Major in Chemistry, Biochemistry and Molecular Biology, or Forensic Chemistry

CHE 102 - Fundamentals of Chemistry

Units: 3

When Offered: Fall, Spring, Summer

A review of fundamental topics in chemistry including units of measurements, classifications of matter, atomic and molecular structure, bonding, the periodic table, chemical reactions, solutions, gases, and energy.

CHE 112 - Organic and Biochemistry for Health Sciences with Lab

Units: 4

When Offered: Fall, Spring, Summer

A survey of Organic and Biochemistry topics with special emphasis on metabolic processes and applications to medicine and health.

Lecture: 3 units **Lab:** 1 unit.

Fee: Additional lab fee.

Prerequisite(s): CHE 102

CHE 115 - General Chemistry I with Lab

Units: 4

When Offered: Fall, Spring, Summer

Structure and behavior of inorganic matter and a mathematical treatment of chemical systems.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 102 or high school chemistry

CHE 125 - General Chemistry II with Lab

Units: 4

When Offered: Spring, Summer

A continuation of CHE 115, including qualitative inorganic analysis.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 115

CHE 130 - Introduction to Chemistry for Engineers

Units: 3

When Offered: As offered

Introductory treatment of matter - its forms, transitions, and interactions - with a focus on chemical, civil, electrical, and mechanical engineering applications.

Fee: Additional lab fee.

Prerequisite(s): CHE 102 or high school chemistry

CHE 200 - Special Topics in Chemistry

Units: 1-3

When Offered: As offered

Various appropriate topics of different concentrations are offered each time.

Repeatable: May be repeated once with different subject matter. Student involvement in selection of topics is strongly encouraged.

CHE 230 - Introduction to Molecular Modeling

Units: 1

When Offered: Fall, Spring

The development of computer-generated models to investigate quantitative information about structures, reactivities, and stabilities of molecules.

Prerequisite(s): CHE 115

CHE 321 - Analytical Chemistry with Lab

Units: 4

When Offered: Fall

A survey of separation and quantitation principles and methods.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 125

CHE 341 - Advanced Inorganic Chemistry with Lab

Units: 4

When Offered: Spring (even years)

A study of electronic structure of atoms, bonding and structure of molecules, coordination chemistry, an overview of the chemistry of the elements, the periodic table and periodic trends, transition metal chemistry, including ligand field theory, organometallic chemistry, including catalytic reactions and solid state chemistry.

Lecture: Three hours **Lab:** Four hours

Fee: Additional lab fee

Prerequisite(s): CHE 125 and MAT 245

Pre- or Co- Requisite(s): CHE 230

CHE 351 - Organic Chemistry I with Lab

Units: 4

When Offered: Fall, Spring, Summer

An integrated mechanistic study of the nomenclature, chemical, and stereochemical properties of aliphatic hydrocarbons.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 125

CHE 352 - Organic Chemistry II with Lab

Units: 4

When Offered: Fall, Spring, Summer

A continuation of CHE 351 covering the major aliphatic and aromatic functional groups. Includes an introduction to spectroscopy.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 351

CHE 399 - Independent Study

Units: 1-3

When Offered: As offered

This course of study is offered to afford the superior student an opportunity to explore independently subject matter not already offered in the catalog.

CHE 400 - Special Topics in Chemistry

Units: 1-3

Various appropriate topics of different concentrations are offered each time.

Repeatable: May be repeated once with different subject matter. Student involvement in selection of topics is strongly encouraged.

CHE 400L - Special Topics Lab

Units: 1

When Offered: As offered

This laboratory course will be offered in conjunction with the special topics course to provide instruction with hands on experience. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

Fee: Additional lab fee

Concurrent Requisite(s): CHE 400

CHE 415 - Physical Chemistry I

Units: 3

When Offered: Fall

A study of thermodynamics, kinetic molecular theory, and kinetics of chemical systems.

Prerequisite(s): CHE 125 and MAT 255

CHE 416 - Physical Chemistry II with Lab

Units: 4

When Offered: Spring (odd years)

A study of quantum mechanics, molecular structure, and spectroscopy.

Lecture: Three (3) hours **Lab:** four (4) hours

Fee: Additional lab fee

Prerequisite(s): CHE 125 and MAT 255

Pre- or Co- Requisite(s): CHE 230

CHE 443 - Biochemistry I with Lab

Units: 4

When Offered: Fall, Spring

A survey of the chemical reactions in living systems. Attention given to enzymes.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 351

CHE 444 - Biochemistry II with Lab

Units: 4

When Offered: Fall

A continuation of CHE 443 - Biochemistry I with Lab including a detailed look at DNA, transcription, translation, protein synthesis, lipid metabolism (e.g., cholesterol synthesis) and amino acid and nucleic acid metabolism.

Fee: Additional lab fee

Prerequisite(s): CHE 443

CHE 470 - Instrumental Analysis

Units: 4

When Offered: Spring (even years)

This course is a study of instrumental methods of analysis including spectroscopic, chromatographic, and electrochemical techniques with emphasis on the theory, design, and applications of various instruments.

Lecture: 2 units **Lab:** 2 units

Fee: Additional lab fee

Prerequisite(s): CHE 321

CHE 475 - Forensic Chemistry with Lab

Units: 4

When Offered: Fall (odd years)

This course builds on the students' criminalistics and chemistry foundation to study advanced topics in forensic chemistry. Topics studied are in the areas of: metrology including statistics, quality control, and sampling; chemical foundations including equilibria, partitioning, and instrumentation; drugs and poisons; combustion including explosives and firearms; and materials including colorants, polymers, inks, paints, fibers, and paper.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 352, 470, and SCI 205

CHE 480 - Chemistry Research Seminar

Units: 1

When Offered: Fall

An introduction to performing chemistry research including discussions of the scientific method, literature research, reading scientific journal articles, analyzing scientific data, reporting research findings in both written and visual formats, critiquing original research, and science ethics. A research proposal will be written by each participant.

Prerequisite(s): Chemistry or Biochemistry and Molecular Biology major and Junior or Senior status

CHE 485 - Forensic Chemistry Major Capstone

Units: 3

When Offered: Spring

This course is designed to be a culminating exercise for students to reflect upon, evaluate, and assimilate knowledge and experience they have gained by participating in a laboratory-based research experience, related hands-on opportunity, or composing a senior thesis. In addition, students will have an opportunity to prepare for professional interviews.

Prerequisite(s): CHE 475 and Senior status

CHE 490 - Senior Research in Chemistry

Units: 1-4

When Offered: Fall, Spring, Summer

The focus of this class is an independent laboratory research project that the student undertakes under the direction of a faculty member who acts as a research advisor. Content varies from year to year and is determined by both instructor's and students' interests.

Repeatable: May be repeated for up to four (4) units of credit

Prerequisite(s): CHE 125 and permission of the Department Chair

CHI 115 - Mandarin Chinese I

Units: 3

GE Designation: M

When Offered: As offered

An introduction to the sound system and grammar of Chinese with emphasis on speaking, reading, writing and listening comprehension. Classes are conducted in Chinese as much as possible. Students will learn Pinyin system and practice simplified Chinese characters. The class also will contain discussions on Chinese customs and cultural background, which are essential in understanding the language.

CHI 125 - Mandarin Chinese II

Units: 3

GE Designation: M

When Offered: As offered

A continuation of CHI 115 - Mandarin Chinese I will continue to be conducted in Chinese as much as possible. Students will practice more on the sound system, and continue to study the grammar of Chinese with emphasis on speaking, reading, writing and listening comprehension. They will learn and practice simplified Chinese characters.

The class will contain discussions on Chinese customs and cultural background, which are essential in understanding the language.

Prerequisite(s): CHI 115

CIS 265 - Information Systems Essentials

Units: 3

When Offered: Fall, Spring

This is an introduction to the essential computer software tools used in the modern information society. Students will be introduced to software applications such as word processing, presentations, spreadsheets, databases, and email. Project-based learning activities will provide hands-on experiences for students to practice and apply the skills to real-world situations. Students will integrate these tools in a comprehensive project.

CIS 268 - Computer Programming Languages

Units: 3

When Offered: Spring

In this course concepts of computer programming languages are presented. Attention is given to the common constructs of programming languages as well as a structured approach to program development. The programming language may change from semester to semester.

CIS 270 - Business IT Application

Units: 3

GE Designation: I

When Offered: Fall, Spring

This course will develop essential math and computer skills necessary to support the student's integration into the business program. Students will be introduced to the Microsoft Office suite application packages: Word, Excel, PowerPoint, and Outlook. In addition, they will reinforce essential math skills that support upper division requirements and integrate with computer software applications. Students will be expected to demonstrate integration of the math and software skills by the end of the course.

Prerequisite(s): MAT 115 or STA 144

CIS 369 - Intermediate Computing

Units: 3

When Offered: Fall (odd years)

This is a hands-on computer lab and lecture course covering the current office productivity software Advanced Microsoft Office applications. This course will give students knowledge of the practical business applications of the spreadsheets, word processing, database management and presentation software.

Prerequisite(s): CIS 265

CIS 465 - Essentials of Geographic Information Systems

Units: 3

When Offered: Fall

The course provides an overview of the theoretical foundation and applied use of Geographic Information Systems (GIS). At the conclusion of the course, students will have working knowledge of GIS and their appropriate application in various disciplines and organizational settings. The historical development of innovative and collaborative geographic information tools that assist with managing the challenges associated with positional data will also be

introduced. Students will demonstrate acquired knowledge via application of the fundamental and principal concepts of geographical information systems by completing a series of lab assignments and a culminating research project.

CIT 320 - Enterprise Architecture

Units: 3

When Offered: Online and Professional Studies

Alignment of business and technology models is a tactical business objective that supports all business strategies meant to improve the value chain in service-driven organizations. The focus of enterprise architectures is to facilitate this alignment by identifying the main components of an organization or a sub-set of it (such as its information systems), and the ways in which these components work together. The components include staff, business processes, technology, information, as well as financial and other resources. This course gives an introduction to enterprise architecture frameworks (EAFS) that may be used to catalog and document enterprise components to help inform, guide, and constrain choices in business, IS or IT solutions development.

CIT 330 - Project Management

Units: 3

When Offered: Online and Professional Studies

The students will learn the theoretical and practical aspects of project management. Topics include organizational theory, group behavior, project management skills, case studies, personal and group productivity tools, management of distributed work, stakeholders, consultants, and knowledge management. Students will also learn software development team configuration and maintenance; software project documentation; communication in a software project (reporting and presentations); project management tools; advanced life cycle models; measurement, metrics and control; testing; systems integration; maintenance; systems development automation.

CIT 340 - System Analysis and Design

Units: 3

When Offered: Online and Professional Studies

This course begins with business functional analysis and ends with object oriented information systems design. Students are introduced to tools and techniques enabling effective analysis, design and documentation of an information system. The student learns formal methodologies that form the basis of object-oriented systems engineering practices. Models that focus on the articulation of business functions, integrating process, data and behavioral abstractions form the core of formal methods in systems development using the unified modeling language (UML).

CIT 350 - Foundations of Information Systems

Units: 3

When Offered: Online and Professional Studies

This course provides an understanding of information systems and their use in achieving strategic advantage in business practice. This class explores the technology itself, focusing on the primary business application of the technology, what problems it can address, and the organizational importance of these systems for remaining competitive in a global economy. Students will become familiar with the wide range of business processes that must be managed effectively for success. The class demonstrates the many types of information systems supporting business processes and a study of how technology, especially information technology, can be used as an essential component of linking technology policy with corporate strategy and identifying technology options that will ensure the most effective execution of organizational strategy.

CIT 360 - Legal and Ethical Practices in Information Technology

Units: 3

When Offered: Online and Professional Studies

This course offers extensive and topical coverage of the legal, ethical, and societal implications of information technology. Students will learn about issues such as file sharing, infringement of intellectual property, security risks, internet crime, identity theft, employee surveillance, privacy, compliance, social networking, and ethics of IT corporations. Students will gain an excellent foundation in ethical decision making for current and future business managers and IT professionals.

CIT 370 - Database Design and Processing

Units: 3

When Offered: Online and Professional Studies

This course is a comprehensive introduction to data management in organizations. It establishes the data management foundation for the computing major. Topics include conceptual and logical data modeling, entity relationship and relational data modeling, and database design and implementation using the SQL programming language.

CIT 380 - Computer and Network Security

Units: 3

When Offered: Online and Professional Studies

This course will provide the student with the knowledge of modern computer and network security procedures, the ability to recognize attacks, and best practices process countermeasures. Students will also learn how to process the authentication, identification, data secrecy, data integrity, authorization, access control, computer viruses, and general network security procedures. This course will also cover secure e-commerce and applications of public key methods, digital certificates, and credentials.

CIT 440 - Web Application Development

Units: 3

When Offered: Online and Professional Studies

The course will introduce concepts in programming web application servers. We will study the fundamental architectural elements of programming web sites that produce content dynamically. The primary technology introduced will be java servlets and java server pages (JSPS), but we will also cover the related topics as necessary so that students may build significant applications. Such topics include: http; html and xml; JavaBeans; design patterns (e.g., abstract factories and model-view-controller); tag libraries (JSTL); relational databases (MYSQL and JDBC); object-relation mapping tools; security (including SSL); Ajax; web services (SOAP, WSDL and UDDI); frameworks; internationalization; scalability and performance issues.

CIT 450 - E-Commerce Systems Development

Units: 3

When Offered: Online and Professional Studies

This course introduces students to the fundamentals of microsoft.net framework, the asp.net web development environment, and C# programming. It also covers xml web services, SQL server database and Microsoft web server IIS (internet information services). Students study how to develop powerful web sites and web applications that access databases using dynamic, server-side programming in C#. They also learn how to deploy such applications over various servers.

Prerequisite(s): CIT 440

CIT 460 - Business Networking

Units: 3**When Offered:** Online and Professional Studies

Provides students with the ability to assess the it needs of an organization and select, develop, integrate, and administer the appropriate solution. Specifically, students will be proficient in the technical aspects of a network, including installation, maintenance, monitoring, resource management, user management, and performance issues; have working knowledge in common operating systems including installation, configuration, scripting, user and resource management, troubleshooting and the use of common system utilities; and they will be able to evaluate, analyze, design, manage, administer and troubleshoot networks.

CIT 465 - Advanced Business Networking**Units: 3****When Offered:** Online and Professional Studies

In Advanced Business Networking students will acquire the ability to assess the IT needs of an organization and select, develop, integrate, and administer appropriate solutions. Specifically, students will be proficient in the technical aspects of wireless networking, network operating systems, in-depth TCP/IP networking, voice and video over IP, network security, troubleshooting network problems ensuring integrity and availability, and network management.

Prerequisite(s): CIT 460**CIT 470 - Information Processing Systems****Units: 3****When Offered:** Online and Professional Studies

Today's organizations are complex systems spanning a variety of corporate functions aimed at achieving a range of objectives. Its environment is subject to globalization and to the effects of the "era of information". Its management is therefore exposed to a formidable task of analyzing huge amounts of time-critical information and, nonetheless, it is expected to always make the right decisions at the right times. Conveniently, a range of technologies and products cumulatively known as business intelligence (BI) come to the rescue.

CJS 113 - Introduction to Criminal Justice**Units: 3****When Offered:** Fall, Spring

A survey of the U.S. system of criminal justice. The history and philosophy of criminal justice administration in America, description of its social and political institutions, and overviews of major issues in the discipline are covered.

CJS 120 - Firearms**Units: 1****When Offered:** Fall, Spring

This course offers students an introduction to the basic operation of handguns. The course will include basic shooting skills, firearm ammunition, safety, legal aspects of gun ownership, handgun shooting sports and activities, ballistics, and firearms cleaning and maintenance.

Grade Type: Pass/Fail**Fee:** Additional lab fee**CJS 200 - Special Topics****Units: 1-3****When Offered:** As offered

An examination of a specific issue in the field of Criminal Justice.

Repeatable: Course is repeatable for credit with a change in topic

CJS 301 - Fundamentals of Criminal Law

Units: 3

When Offered: Fall, Spring

Nature of criminal law and its philosophical and historical development; major definitions and concepts; classification of crime; elements of crimes and penalties using California and federal statutes as illustrations; defenses to criminal responsibility; and criminal responsibility.

CJS 304 - Ethics for Law Enforcement

Units: 3

When Offered: Online and Professional Studies

A traditional exploration of the field of law enforcement ethics, which broadly encompasses the history of justice and theories of morality and ethics from antiquity to the modern age. It will also cover the ethical problems unique to law enforcement such as "shoot - no shoot" scenarios, the use of force in general, racial profiling and hate crimes, opportunities for corruption in the context of the War on Drugs, and various other law enforcement issues.

CJS 321 - Courts and Criminal Procedures

Units: 3

When Offered: Fall, Spring

A study of the judiciary in the criminal justice system; structure of the California and federal court systems; prosecution; criminal defense, right to counsel; pre-trial release; grand juries; adjudication process; types and rules of evidence; appeals and sentencing.

CJS 331 - Police Systems and Practices

Units: 3

When Offered: Fall, Spring

An opportunity to analyze the police profession; organization and administration of law enforcement systems; the police role in a democracy; police discretion; police subculture and ethics; police stress; police-community interaction; current and future issues.

CJS 341 - Minorities and the Criminal Justice System

Units: 3

When Offered: Fall, Spring

Students will critically examine the charges of direct and indirect institutional racism within the totality of the criminal justice system. Students will also analyze society's response to crime, cultural, economic and political differences.

CJS 350 - Emergency Management

Units: 3

When Offered: Online and Professional Studies

This course will cover the principles of emergency management as practiced in the state of California, as well as the County, State and Federal Government. Chief components of the course are the establishment of protocols and procedures, planning and preparedness, intergovernmental responsibilities, developing a response, and mitigating disasters and recovery.

CJS 355 - Information Management

Units: 3

When Offered: Online and Professional Studies

This course examines the use of technology in the management of criminal justice data and systems. The course studies trends in the use of modern technology in the administration of management and personnel data. Lastly, the course examines potential unintended consequences of the use of technology in criminal justice management.

CJS 360 - Historical Perspectives of Criminal Justice

Units: 3

When Offered: Online and Professional Studies

The course offers an introduction to the historical study of crime and the administration of justice throughout human history, especially in the United States. The course highlights both changes in criminal behavior and the different ways that societies have sought to deter, punish and rehabilitate.

CJS 400 - Special Topics

Units: 1-3

When Offered: As offered

An examination of a specific issue in the field of Criminal Justice.

Repeatable: Course is repeatable for credit with a change in topic

CJS 401 - Crime and Delinquency

Units: 3

When Offered: Fall

A study of the traditional and theoretical schools of criminology. Theories relating to individual abnormality and theories relating to cultural influences are examined. Theories of the causes of delinquency and data on delinquent behavior including gangs, minor and major criminal actions, and methods of correction are also covered.

CJS 402 - Hate Crime

Units: 3

When Offered: Spring (odd years)

This course explores the problem of hate crime, which can be defined as criminal acts motivated by an extreme bias of hate. The course will focus on hate crimes as a specific type of criminal activity and will address various efforts to prevent these crimes and to hold offenders accountable.

CJS 421 - Narcotics

Units: 3

When Offered: Fall

This course will examine the role of narcotics and drugs in the U.S. criminal justice system and the impact of drugs on crime. This course will address issues related to the history of drugs in society; narcotics' legal and regulatory, social and political context; patterns and drugs of abuse; and strategies of enforcement and rehabilitation.

CJS 441 - Fundamentals of Criminal Investigation and Report Writing

Units: 3

When Offered: Spring

Students will study investigation theory; collection and preservation of evidence; importance of field notes and offense reports; sources of information; interview and interrogation; use of forensic science; and case and trial preparation.

CJS 472 - Terrorism and Homeland Security

Units: 3

When Offered: Online and Professional Studies

This course will cover the detailed study of terrorism, counter terrorism, terrorist personalities, and terrorist groups, including types, tactics, and trends on a worldwide scale as well as domestically. The course also examines the unique challenges posed by the government's war on terrorism and commitment to homeland security. The issues of prevention, civil liberties, and nation building will be examined.

CJS 481 - Statistics for Criminal Justice Law Enforcement

Units: 3

When Offered: Online and Professional Studies

An introduction to elementary statistical methods commonly used in criminological and criminal justice research. Students will obtain sufficient statistical knowledge that they can use to read and understand the professional criminological literature that uses statistical methods. It will also prepare students to use elementary statistical methods in their own research in graduate school or in their professional careers, and it will help students build the statistical background necessary for the study of more advanced statistical topics.

Prerequisite(s): Criminal Justice Administration major

CJS 485 - Methods of Research for Criminal Justice

Units: 3

When Offered: Fall

The course examines scientific approaches to the study of criminal justice. Students will learn how to research and study crime using the scientific method. Students will be exposed to various research methods and designs, which will be illustrated with criminological examples and exercises. Finally, the students will calculate and interpret measures of central tendency, dispersion, and association.

CJS 496 - Institutional and Community Corrections

Units: 3

When Offered: Fall, Spring

This course provides a survey of the historical, philosophical, and legal bases of correctional procedures and institutions and an examination of current problems and innovations. It examines the increasing task of managing persons who have been arraigned or have been sentenced to prisons and various correctional facilities in America. The nature of the institutional environment, issues of community-based policing, and the administrative concerns of safety and efficiency are also included.

CJS 497 - Comparative Criminal Justice

Units: 3

When Offered: Spring

The functions, institutions, and operations of U.S. and foreign criminal justice systems are compared. Comparisons are made between countries similar to the U.S., such as Canada and Great Britain, as well as those which are quite

different, such as Asian or Arabic countries. The underlying concepts of law enforcement, judicial and correctional processes will be studied in current and historic perspectives.

CJS 499 - Senior Project

Units: 3

When Offered: Spring

A senior capstone course designed to demonstrate the competence of Criminal Justice majors in the discipline and assess their research and writing skills. The portfolio produced by the student in completion of this project must conform to the departmental guidelines for Senior Projects.

Prerequisite(s): CJS 485 and Senior status

CMD 101 - Introduction to Stand-Up Performance

Units: 3

When Offered: Fall

Students will get an introductory overview of how to construct a performance from beginning to end. They will gain an understanding of concept and idea development, learn about writing jokes, sketches, complete routines, audience analysis, getting material, creating your own style, utilizing your talents and various tried-and-true comedy formulas. They will also learn how to develop an audition set, interview, book a show, get an audition, and deal with difficult performance situations.

CMD 301 - History of Comedy Performance

Units: 3

When Offered: Spring

Students will get an overview of the history of comedy from the time of the ancient Greeks to the present day. They will gain an understanding of the context of modern comedy (including their own), and of the universal elements of comedy. Special emphasis will be given to stand-up and sketch comedy. Subjects covered will include some or all of the following: Greek and Roman comedy, Shakespearean comedy, burlesque, vaudeville, music hall, silent film comedy, Picaresque narrative, stand-up, and satiric mask, farce, improvisation, film and TV comedy.

CMD 311 - Pantomime, Commedia and Physical Comedy

Units: 3

When Offered: Fall

This course will focus on the importance of a free and expressive whole-body approach to the creation and performance of broad physical comedy through the study of the historic comedic forms of Pantomime, Commedia Dell'arte and Clowning.

CMD 314 - Clown Design: Costumes and Makeup

Units: 3

When Offered: Fall

This course provides students with a historic framework of Clowning from the Greek and Roman comedic characters, Shakespeare's clowns and fools, to the modern circus clown. Practical methods of costume fabrication and design and makeup application techniques are explored and mastered through a hands-on project oriented approach.

CMD 331 - Comedy In Christian Ministries

Units: 3

When Offered: Spring

This course introduces the student to the development of drama-based ministries through the use of humor to convey such materials as scripture, children's ministries, sermon notes, evangelism, missions, etc. to illustrate themes for Christian and non-Christian audiences alike. The use of comedic techniques such as: surprise, exaggeration, incongruity, repetition, misunderstanding, comedy of errors, irony, satire, and more to convey the Christian message will be explored and developed to evaluate our lives as we progress toward Christ-likeness. Particular emphasis will be placed on creation, development, and performance of applicable materials.

CMD 411 - Comedy Sketch Writing for Entertainment

Units: 3

When Offered: Fall

From storyboarding and sketch-writing to exploration of genres and literary devices, this course introduces you to everything that goes into a comedy sketch in order for it to resonate with today's audiences, including literary techniques and sketch development, meaning and direction of plotlines, character creation and development, running gags, payoffs, punchlines, while demonstrating an understanding of the evolution of the comedy industry.

CMD 450 - Comedy Production Internship

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position in a comedic field, within the broader entertainment industry. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade of comedy writing, performance, producing or directing within the film, television, internet or live performance industries.

Prerequisite(s): Permission of the Department Chair

CMD 451 - Comedy Production Internship

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position in a comedic field, within the broader entertainment industry. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade of comedy writing, performance, producing or directing within the film, television, internet or live performance industries.

Prerequisite(s): CMD 450 and Permission of the Department Chair

CMD 482 - Improvisation and Sketch Comedy

Units: 3

When Offered: Spring

Techniques in games, short and long form improvisation and the 'Harold' approach to pattern recognition and the subversion of audience expectations are explored in this course through active participation by class members and critical debriefing after each exercise. The class also employs an improvisational approach to developing sketch comedy, which is then refined through writing exercises.

CMD 495 - Senior Comedy Showcase

Units: 1

When Offered: Spring

Senior students prepare and perform representative comedic material developed by them through their course of study, culminating in a public performance. The public showcase will feature the work of all graduating seniors combined into one evening's performance, under faculty direction.

Prerequisite(s): Senior status and permission of the Department Chair

COM 110 - Forensic Workshop

Units: 1-3

GE Designation: M

When Offered: Fall

A participation class in forensics. Students compete in intercollegiate events. Majors may take a maximum of eight (8) units as part of the Communications Program. Communications minors may take a maximum of four (4) units. Students should consult their advisor in the Communication Arts Department to determine how many units per semester are allowed since the program is offered on a continuing basis.

COM 113 - Oral Communication

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course is designed to introduce the process of public communication and to help develop and refine the skills of oral communication.

COM 200 - Special Topics in Communication Studies

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of communication arts. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

COM 210 - Forensic Workshop

Units: 1-3

GE Designation: M

When Offered: Spring

A participation class in forensics. Students compete in intercollegiate events. Majors may take a maximum of eight (8) units as part of the Communications Program. Communications minors may take a maximum of four (4) units. Students should consult their advisor in the Communication Arts Department to determine how many units per semester are allowed since the program is offered on a continuing basis.

COM 306 - Small Group Communication

Units: 3

When Offered: Fall

This course examines the dynamics in communication within small groups. Students will learn effective critical thinking and problem solving skills for use when working in small groups.

COM 308 - Interpersonal Communications

Units: 3

GE Designation: I, M

When Offered: Spring

This class examines the dynamics of the two-person communication process. Students will study the development of self-concept, self-disclosure, perception, listening, and feedback as they affect the communication process. Non-verbal communication, attitudes, beliefs, and values will also be explored.

COM 310 - Forensic Workshop

Units: 1-3

GE Designation: M

When Offered: Fall

A participation class in forensics. Students compete in intercollegiate events. Majors may take a maximum of eight (8) units as part of the Communications Program. Communications minors may take a maximum of four (4) units. Students should consult their advisor in the Communication Arts Department to determine how many units per semester are allowed since the program is offered on a continuing basis.

Prerequisite(s): COM 110 or 210

COM 333 - Oral Interpretation and Readers Theatre

Units: 3

GE Designation: M

When Offered: Fall, Spring

Analysis and oral presentation of literature in a way that is vivid, compelling, and dramatic. This class will help the student to perfect skills in dramatic reading, reading of scripture, and finding and preparing literature for oral presentation.

COM 340 - Rhetoric and Persuasion

Units: 3

When Offered: Spring

This course is designed to develop advanced analysis of communication artifacts using theories of rhetoric and persuasion. The course discusses and makes use of rhetorical theorists from classical and contemporary traditions through the lens of compliance gaining. A focus will be on understanding human persuasion in everyday life, as well as in scholarly perspective.

COM 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

COM 400 - Special Topics in Communication Studies

Units: 3

When Offered: Fall, Spring

Concentration upon a specific topic in the field of communication arts. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

COM 401 - Argumentation and Debate

Units: 1-3**When Offered:** Fall

A study of the principles and models of argumentation and debate, the basic theories, strategies, and processes by which a student may present an effective argument, as well as their application to business and interpersonal communication as well as ministry. The course provides practical experience in forming arguments, defending a position, using evidence to build a case, refutation, and analysis of arguments. Special emphasis given to the principles of Parliamentary Debate.

Repeatable: May be repeated for a maximum of eight (8) units of credit. Only three (3) units may be applied to the major.

COM 403 - Communication Theory

Units: 3**GE Designation:** I, M**When Offered:** Fall

This course is designed to introduce theories in the academic field of communication studies. The focus of the course will be on recognizing human communication theories in everyday life, and being able to critically examine situations in multiple cultural contexts based on those theories. Connections will be made between these theories and the prominent theories of related fields.

COM 405 - Rhetorical Criticism

Units: 3**GE Designation:** I, M**When Offered:** Spring

This course is designed to develop advanced analysis of communication artifacts using rhetorical theory. The course discusses and makes use of rhetorical theorists from classical and contemporary traditions to better understand cultural artifacts from various contexts. Application to various non-communication related fields will be explored.

COM 410 - Forensic Workshop

Units: 1-3**GE Designation:** M**When Offered:** Spring

A participation class in forensics. Students compete in intercollegiate events. Majors may take a maximum of eight (8) units as part of the Communications Program. Communications minors may take a maximum of four (4) units. Students should consult their advisor in the Communication Arts Department to determine how many units per semester are allowed since the program is offered on a continuing basis.

Prerequisite(s): COM 110 or 210

COM 420 - Global Digital Engagement

Units: 3**When Offered:** Online and Professional Studies

In this course students will analyze and evaluate the historical, economic, social, cultural, and political forces of globalization in the context of media. A strong focus will be on modern and contemporary world cultures and on current issues in the globalization of media forms and information technologies. Historical contexts and pressures at work within the contested terrain of globalism will be examined. Students will understand the development of global communication and media networks as these have evolved, expanded, and make up globalization. In addition, students will closely examine the role of digital media and global activism.

COM 425 - Organizational Communication

Units: 3

GE Designation: I, M

When Offered: Spring

Examination of the nature and process of communication in modern organizations, including theories, change strategies, internal personnel relations, and conflict management, as they relate to organizational cultures.

COM 430 - Communication Research and Methods

Units: 3

When Offered: Online and Professional Studies

Explores basic methodologies of communication research, including experiments, surveys, focus groups, field observations, content analysis, and rhetorical and critical analyses. These methodologies and the theoretical and ethical assumptions underpinning them are examined as ways of posing questions and getting answers about human communication. Each student will write papers based on a research project including problem definition, literature review, data gathering and analysis and reporting.

COM 435 - Gender and Communication

Units: 3

When Offered: Fall

This class examines gender from both a secular and biblical perspective through an examination of rhetoric, interpersonal communication, and media. Students will learn what gender is, how society and biology impact what gender is, and how gender impacts their own communication and the communication of others.

COM 450 - Internship in Communication Studies

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position, utilizing principles of communication studies acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of communication studies as a whole.

Prerequisite(s): Permission of the Department Chair

COM 451 - Internship in Communication Studies

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position, utilizing principles of communication studies acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of communication studies as a whole.

Prerequisite(s): COM 450 and permission of the Department Chair

CON 102 - Construction Management from a Christian Worldview

Units: 3

When Offered: Fall

Serves as an introduction to the exciting field and vocation of construction management and the value of construction

management training. Guest lectures from construction, and introduction to teams through a group project will be included. Exploration of the concept of worldview from a Christian perspective is stressed. Emphasis will include Christian perspectives on purpose, integrity, discernment and service as they relate to construction. Assessment of one's learning style, temperament and potential strengths and weaknesses as part of self-discovery will also be included. This course is required of all students considering construction management as a major.

CON 105 - Introduction to Construction Management

Units: 3

When Offered: Fall

This course will explore fundamental concepts related to the theory and practice of construction management. The course includes an overview of the construction industry, job market, common project management tools, basic materials and methods of construction, risk management challenges, sustainable operations, and leadership skills required to direct a construction company and project activities.

CON 205 - Plan Reading and Estimating

Units: 3

When Offered: Spring

Plan Reading and Estimating introduces students to construction estimating through quantitative take-off and survey of materials and productivity standards applicable to construction projects.

CON 210 - Evolving Technologies in Construction

Units: 3

When Offered: Fall

Leadership in Energy and Environmental (LEED) and Building Information Modeling (BIM) concepts are introduced. This course further emphasizes the principles, practices, and applications of integrated project delivery systems, sustainable construction methods, and current industry innovations as it relates to the built environment.

CON 215 - Computer-Aided Drafting and Design

Units: 3

When Offered: Fall

This course introduces students to construction visualization, graphical geometry and analysis in construction, sketching applications, computer-aided design, and fundamentals of building information modeling.

CON 310 - Construction Materials and Methods

Units: 3

When Offered: Fall

This course explores information about construction materials and methods. The following concepts are presented in this course: (a) site investigation; (b) construction materials characteristics and costs; (c) construction methods; (d) equipment types and uses; and (e) equipment production rates and cost.

CON 315 - Building Information Modeling

Units: 3

When Offered: Fall, Spring

This course introduces students to the application of Building Information Modeling (BIM), both as a product and a process. BIM is a new approach to the built environment as a building project delivery platform in which digital

representation of a building process is used to facilitate the exchange and interoperability of information. This course introduces students to the various benefits of improved design quality, reduction in design errors, improved field productivity, reduction in conflicts, and their associated changes as it relates to manufacturing cost and time.

Prerequisite(s): CON 215 or EGR 122

CON 325 - Construction Company Financial Management

Units: 3

When Offered: Spring

This course introduces students to practices in accounting and financial management for the construction industry. Students analyze and apply concepts related to managerial accounting, project controls, financial statement analysis, work in progress, lending, sureties, risk management, and taxes for construction companies and project teams.

Prerequisite(s): ACC 250

CON 330 - Construction Safety

Units: 3

When Offered: Spring

Introduces students to the various causes of construction accidents and adopted strategies to prevent worksite injuries and illnesses with an emphasis on OSHA standards.

CON 340 - Building Structures

Units: 3

When Offered: Spring

Building Structures introduces students to the types and nature of construction structural systems including material basics as it relates to: wood, steel and concrete.

Prerequisite(s): CON 310

CON 350 - Project Delivery, Law and Contracts

Units: 3

When Offered: Spring

This course covers construction ethics and introduces students to the various aspects of construction contracts and documentation procedures.

CON 410 - Mechanical Systems for Buildings

Units: 3

When Offered: Fall

Mechanical Systems for Buildings introduces students to the fundamentals of mechanical systems contained in and necessary for the construction, operation, and maintenance of commercial buildings. Systems of primary concern will be climate control, air quality, ventilation, water supply, waste, electrical, fire protection and sustainable initiatives.

CON 415 - Emerging Technologies in Construction

Units: 3

When Offered: Spring

This is a project-based course that provides an opportunity for students to apply developing technologies to analyze contemporary challenges in the construction industry. Students in this course will utilize building information modeling (BIM) to analyze and interpret sustainability requirements, scanning technologies to analyze quality control and

document work progress, and virtual reality (VR) or augmented reality (AR) type technologies to address design challenges on construction projects.

Prerequisite(s): CON 315

CON 430 - Advanced Estimating

Units: 3

When Offered: Spring

Advanced Estimating relates to construction project costs from the conceptual phase to full implementation. The course canvases the entire estimating sequence and introduces students to computer estimating software.

Prerequisite(s): CON 205 and Senior status

CON 460 - Construction Planning and Scheduling

Units: 3

When Offered: Fall

Construction Planning and Scheduling introduces students to theory and application of construction scheduling to control the acquisition, movement, storage, utilization of workers, material, and equipment with emphasis given to the Critical Path Method (CPM).

Prerequisite(s): CON 330 and 430

CON 470 - Mechanical Electrical and Piping Construction

Units: 3

When Offered: Fall

This course advances student knowledge of mechanical, electrical, and piping (MEP) systems in construction. Students examine principles of code, design, and materials and methods related to the MEP trades. Students perform applied MEP exercises related to examination of plans and specifications, requests for information, submittals, shop drawings, clash detection, and construction coordination.

CON 490 - Computer Based Capstone Design

Units: 3

When Offered: Spring

This course explores professional practice as a constructor, requiring an understanding of the working and contractual relationship among all participants in any project process. Students will be required to participate in a "real" construction situation involving all aspects of managing a project; from initial planning to completion, including budgets, estimating, scheduling, financing and creating contracts and other construction forms as necessary. Case studies will be utilized to develop critical thinking skills.

Prerequisite(s): CON 460

Pre- or Co- Requisite(s): CON 430

CSC 200 - Special Topics

Units: 1-4

When Offered: As offered

This course offers a concentration upon a specific topic in the field of computer science. The topic varies by semester.

Repeatable: May be repeated for credit with a change in topic

CSC 311 - Compiler Design and Languages

Units: 3

When Offered: Fall

Introduction to concepts and considerations of modern compilers and programming languages. Language translation, types and declaration, and abstraction mechanisms are studied. Both functional and object-oriented programming paradigms are explored through examination of several programming languages.

Prerequisite(s): EGR 221

CSC 312 - Algorithms

Units: 3

When Offered: Spring

Algorithms are the heart of any computer software; they define the procedure for accomplishing a data-intensive task. This course establishes terms and methods for talking about algorithms, examines some of the basic algorithms for sorting, searching and other fundamental tasks, and explores more advanced algorithms in bioinformatics and other fields.

Prerequisite(s): EGR 221

CSC 313 - Graphics and Visual Computing

Units: 3

When Offered: Spring

This course explores issues related to the production and the analysis of imagery and visual representations. Computer graphics are introduced, from basic concepts through rendering and animation. Visualization of data is presented. Computer Vision and Image Processing is presented both mathematically and practically, with an emphasis on creating image manipulation programs in a high-level language.

Prerequisite(s): EGR 221

CSC 400 - Special Topics

Units: 1-4

When Offered: As offered

This course offers a concentration upon a specific topic in the field of computer science. The topic varies by semester.

Repeatable: May be repeated for credit with a change in topic

CSC 411 - Social and Professional Issues in Computing

Units: 2

When Offered: Spring

The Christian worldview provides a framework within which the complicated ethical and social issues of computing can be considered. This course will guide students through an examination of several key ethical questions in computing, using Biblical principles as a guide.

CSC 412 - Intelligent Systems

Units: 3

When Offered: Spring

Intelligent systems is concerned with the design and analysis of autonomous agents that perceive their environment and make rational decisions. This course introduces the basic definitions and issues in Artificial Intelligence and Machine Learning. Students will create reasoning systems in software and explore their capabilities in dealing with new knowledge. Ethical issues in Intelligent Systems will be presented and examined from a Christian perspective.

Prerequisite(s): EGR 221, 225, and 305

CSC 413 - Information Security and Computer Forensics

Units: 3

When Offered: Fall

This course provides an introduction to the field of Security in computing. Topics include common security standards and policies, cryptography and information security, access controls, attacks and countermeasures, and computer forensics.

Prerequisite(s): EGR 222

CSC 414 - Theory of Computation

Units: 3

When Offered: Spring

Computer scientists use hardware and software components to solve problems; this course encompasses the theoretical basics that underlie them. Automata, languages and grammar, language processing, computability and complexity theory will be examined in detail. Important topics will be explored using a combination of conceptual work and coding exercises.

Prerequisite(s): EGR 225

CST 100 - Overview of the Bible

Units: 3

When Offered: Online and Professional Studies

A general survey of the Hebrew Bible and the Christian writings (New Testament) with special emphasis to the religious and national life of the Hebrew people, the life of Jesus, and the development of the early church. An Online and Professional Studies requirement for Online and Professional Studies degree programs only.

CST 110 - Old Testament Survey

Units: 3

GE Designation: M

When Offered: Fall, Spring

A survey of the books of the Old Testament and their theological contribution to the overall storyline of the Bible. Attention is also given to the historical and cultural context of ancient Israel. Fulfills general education requirement for non-Christian Studies majors.

CST 130 - New Testament Survey

Units: 3

GE Designation: M

When Offered: Fall, Spring

A survey of the books of the New Testament and their contributions to the overall storyline of the Bible. Special attention is given to the life of Jesus and the development of the early church in their historical, cultural and theological settings. Fulfills general education requirement for non-Christian Studies majors.

CST 200 - Special Topics in Christian Studies

Units: 3

When Offered: As offered

An examination of specific areas of Christian studies such as theology, Bible, missions, hermanutics, Christian

philosophy, etc.

Repeatable: Course is repeatable for credit with a change in topic

CST 210 - Pentateuch and Former Prophets

Units: 3

GE Designation: M

When Offered: Fall

This class examines the books of Genesis - Kings (as listed in the Hebrew canon) with special attention given to the theological contributions each book provides for the overall shape of the Old Testament. The historical background of Israel and the Ancient Near East will also be considered. Core requirement for Applied Theology or Christian Studies majors.

CST 220 - Latter Prophets and Writings

Units: 3

GE Designation: M

When Offered: Spring

This class examines the books of Isaiah - 2 Chronicles (as listed in the Hebrew canon) with special attention given to the theological contribution each book provides for the overall shape of the Old Testament. The literary structure of each book and the cultural background of Israel and the Ancient Near East will also be considered. Core requirement for Applied Theology or Christian Studies majors.

CST 230 - Jesus and the Gospels

Units: 3

GE Designation: M

When Offered: Fall

An investigation of the testimony provided by the Gospels concerning the life of Jesus of Nazareth, with special attention given to the critical issues prompted by such study. Core requirement and prerequisite for upper division Gospel courses (CST 330, CST 331) for Christian Studies majors.

CST 240 - Paul and the Early Church

Units: 3

GE Designation: M

When Offered: Spring

An introductory consideration of the incidents, individuals, and issues included in the historical, epistolary, and apocalyptic portions of the New Testament. Core requirement and prerequisite for upper division Pauline courses (CST 440, CST 441) for Christian Studies majors.

CST 300 - History of Baptist Thought

Units: 3

GE Designation: I

When Offered: Fall, Spring

An examination of Baptist history and doctrine with respect to other Christian denominations and non-denominational churches. Attention will be given to the global impact of Baptists through local church renewal, promotion of religious liberty, participation in missions, and biblical fidelity. Core requirement for Applied Theology students, Christian Studies Majors, and Minors.

CST 301 - The Christian Life

Units: 3

When Offered: Online and Professional Studies

A survey of basic Christian beliefs and how those beliefs inform and direct daily living in the modern context. Students will spend time examining a decidedly Christian worldview and how such a worldview is reflected in personal and community life.

CST 302 - Foundations of Christian Thought

Units: 3

When Offered: Online and Professional Studies

An introduction and primer to Christian theology with special emphasis on identifying the importance and development of a Christian worldview, understanding the doctrine of scripture and biblical authority, learning to do theology, comprehending the relationship between truth, faith and reason, and applying a biblical worldview to the Christian life.

CST 307 - Deaf Ministry

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

Demographic and congregational studies suggest that only a fraction of the deaf population has been effectively evangelized in their own primary language. Students will learn practical methods of communicating the gospel to the deaf population using a cultural-linguistic model for deaf ministry.

Prerequisite(s): Previous Biblical Studies coursework

CST 310 - Old Testament Exegesis

Units: 3

GE Designation: M

When Offered: Fall (odd years)

A study of one or more Old Testament books emphasizing the development of skill in exegesis. Special attention will be given to literary structure, word analysis, cultural context, and theological considerations as guides for interpretation.

Prerequisite(s): CST 110, 210, or 220

CST 311 - New Testament Exegesis

Units: 3

GE Designation: M

When Offered: As offered

A study of one or more New Testament books emphasizing the development of skill in exegesis. Special attention will be given to literary structure, word analysis, cultural context, and theological considerations as guides for interpretation.

Prerequisite(s): CST 130, 230, or 240

CST 315 - Old Testament Ethics

Units: 3

GE Designation: I, M

When Offered: Spring (even years)

This course provides the student an opportunity to investigate the ethics inside the Old Testament, as well as asking and answering the question of the place of Old Testament ethics in the life of a believer in God post New Testament.

Prerequisite(s): Previous Old Testament Coursework

CST 330 - The Gospel According to John

Units: 3

GE Designation: M

When Offered: As offered

An intensive investigation of the Fourth Gospel, highlighting the significance of its literary structure and its rich theological and thematic texture.

Prerequisite(s): CST 130 or 230

CST 331 - The Parables of Jesus

Units: 3

GE Designation: M

When Offered: As offered

An intensive study of the background and Jesus' use of the parabolic mode of teaching as a dynamic vehicle, then and now, for communicating truth about the kingdom of God.

Prerequisite(s): CST 130 or 230

CST 350 - Biblical Interpretation

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

A historical and theoretical consideration of interpretative methodology as illustrated by and applied to selected texts from various portions of the biblical materials. Core requirement for Christian Studies majors and minors.

Prerequisite(s): Previous Biblical Studies coursework

CST 360 - Church History

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

A survey of the development of the Christian church from the close of the New Testament period to the present time, with special attention to the origin of various denominations. Core requirement for Christian Studies majors and minors.

CST 370 - Christian Doctrine

Units: 3

When Offered: Fall, Spring

An exploration of the biblical doctrines of Scripture, the triune God, humanity, sin, the person and work of Christ, the person and work of the Holy Spirit, salvation, the Church and last things. Special attention is given to method and sources in formulating Christian theology. Core requirement for Christian Studies majors and minors.

CST 381 - Christian Missions

Units: 3

GE Designation: I, M

When Offered: Online and Professional Studies

An examination of the issues faced by today's Christian missionaries, including divine call, recruitment, theological issues, cultural problems, political involvement, methodology, and indigenization. Student involvement in missions-related activities is expected.

CST 383 - Ministry with Youth

Units: 3

When Offered: Spring (odd years)

This class focuses on foundational issues related to adolescents with application to the local church. Student involvement in youth ministry is expected.

Prerequisite(s): Previous Biblical Studies coursework

CST 399 - Independent Study

Units: 1-3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest. Courses listed in the catalog may not be taken as independent study.

CST 400 - Special Topics in Christian Studies

Units: 3

When Offered: Fall, Spring (even years)

An examination of specific areas of Christian studies (theology, Bible, missions, etc.).

Repeatable: Course is repeatable for credit with a change in topic

CST 410 - Special Topics in Old Testament

Units: 3

GE Designation: M

When Offered: As offered

An examination of specific area(s) of Old Testament study.

Repeatable: Course is repeatable for credit with a change in topic

Prerequisite(s): Previous Old Testament coursework

CST 411 - Special Topics in New Testament

Units: 3

GE Designation: M

When Offered: As offered

An examination of specific area(s) of New Testament study.

Repeatable: Course is repeatable for credit with a change in topic

Prerequisite(s): Previous New Testament coursework

CST 412 - Special Topics in Theology

Units: 3

GE Designation: M

When Offered: As offered

An examination of specific area(s) of Theology.

Repeatable: Course is repeatable for credit with a change in topic

Prerequisite(s): Previous Theology coursework

CST 413 - Special Topics in Church History

Units: 3

GE Designation: M

When Offered: As offered

An examination of specific area(s) of Church History.

Repeatable: Course is repeatable for credit with a change in topic

Prerequisite(s): Previous Church History coursework

CST 414 - Special Topics in Christian Ministry

Units: 3

GE Designation: M

When Offered: As offered

An examination of specific area(s) of Christian Ministry.

Repeatable: Course is repeatable for credit with a change in topic

Prerequisite(s): Previous Christian Ministry coursework

CST 421 - Biblical History of Israel

Units: 3

GE Designation: I, M

When Offered: Fall (even years)

This course is an introduction to the history, historiography, and scholarship surrounding the biblical portrait of Israel from their origin to their return from exile.

Prerequisite(s): Previous Old Testament Coursework

CST 425 - Christian Social Ethics

Units: 3

GE Designation: I

When Offered: Fall, Spring

This course will explore perennial social ethics issues as they relate to Christian faith and life. Topics include key social problems, the Church's historical responses to those issues, and the biblical teachings with regard to core Christian doctrines (e.g., creation, fall, redemption, image of God, neighbor love). Standard models of Christian engagement in society with respect to the individual believer, the local church, and the global Christian Church will also be considered.

Prerequisite(s): 3 units of Biblical Studies or ICS 105 or 305

CST 440 - Romans

Units: 3

GE Designation: M

When Offered: As offered

A study of Paul's most systematic and influential epistle, presenting his exposition of the "Righteousness of God" and

its consequences for a Christian ethos.

Prerequisite(s): CST 130 or 240

CST 441 - The Corinthian Correspondence

Units: 3

GE Designation: M

When Offered: As offered

An intensive investigation of the most "problem-oriented" of the Pauline letters. Special attention given to the cosmopolitan sociological environment of Corinth and to the resolution of church conflict.

Prerequisite(s): CST 130 or 240

CST 442 - Revelation

Units: 3

GE Designation: M

When Offered: As offered

An exploration of the nature and message of the Apocalypse of John - a "crisis document" from the late first Christian century. Emphasis placed on the importance of understanding the variety of interpretive approaches given to this writing.

Prerequisite(s): CST 130 or 240

CST 450 - Old Testament Theology

Units: 3

GE Designation: M

When Offered: Spring (odd years)

An examination of the major theological concepts in the Old Testament, including a survey of the disciplines of biblical and Old Testament theology.

Prerequisite(s): CST 110 or 210-220

CST 451 - Biblical Preaching

Units: 3

When Offered: Spring

A study of the basic principles for preparing and delivering biblical sermons, with an emphasis on the writing, delivery, and analysis of expository sermons.

Prerequisite(s): Previous Biblical Studies coursework

CST 460 - Biblical Theology

Units: 3

When Offered: Online and Professional Studies

An introduction to the Bible's theological and canonical formation, major themes, and overall story with a specific emphasis on the relationship between the Testaments.

CST 480 - Pastoral Ministry and Leadership

Units: 3

When Offered: Online and Professional Studies

A study of the practical duties of the modern pastor, with emphasis given to problems arising in the performance of regular pastoral duties as well as those created by the environment.

CST 484 - Current Trends in Youth Ministry

Units: 3

When Offered: Spring (even years)

A research-oriented exploration of current youth trends and issues based on students' interests with the objective of synthesizing their experiences.

CST 490 - Supervised Ministry

Units: 3

When Offered: Fall, Spring, Summer

A course of supervised in-service training in a local church. Active participation in Christian ministry is expected (minimum 9 hours weekly) under supervision of a Field Supervisor.

Grade Type: Pass/Fail.

Prerequisite(s): Junior or Senior status, and permission of the Dean

CST 491 - International Missions Practicum

Units: 3

GE Designation: I, M

When Offered: Spring, Summer

Allowing Christian Studies credit for participation in International Service Projects, an extended missions experience designed to acquaint students with the implementation of mission principles in an international context.

Repeatable: May be repeated once with a different missions context (no more than 3 units may apply to general education)

Grade Type: Pass/Fail.

Prerequisite(s): Permission of the Dean

CYB 220 - Security by Design

Units: 3

When Offered: Online and Professional Studies

This course explores the theoretical and practical aspects of basic security design fundamentals as they relate to the analysis, design, development, and implementation of Information System components. Topics covered include separation of domains, isolation, encapsulation, least privilege, simplicity of design, testing, documentation, minimization of implementation, deployment, maintenance, fail safe defaults, fail secure, modularity, layering, least astonishment, open design, usability, and reverse engineering.

Prerequisite(s): EGR 121

CYB 390 - Database Security

Units: 3

When Offered: Online and Professional Studies

This course equips students with a comprehensive knowledge and understanding of how database systems are managed along with the issues and solutions associated with protecting the associated data assets. Topics covered include relational databases, NoSQL databases, object based vs. object oriented, database vulnerabilities, indexing, inference, aggregation, polyinstantiation, hashing and encryption, masking, database access controls, information flow, database

security models, SQL Injection, inference and aggregation security issues, and common DBMS vulnerabilities.

Prerequisite(s): CIT 380 and STA 144

CYB 410 - Defensive Security

Units: 3

When Offered: Online and Professional Studies

This course explores the theories, concepts, and methodologies related to the analysis and assessment of the cybersecurity needs and vulnerabilities of the organization. Students are equipped with the knowledge of the various options available to mitigate threats within a system. Topics covered include network mapping, network security techniques and components, cryptography, malicious activity detection, countermeasures, trust relationships, defense in depth (layering), OS and application patching, vulnerability scanning and windows, social engineering, and analytical tools.

Prerequisite(s): CIT 380, CYB 220, NAM 320, and STA 144

CYB 420 - Offensive Security

Units: 3

When Offered: Online and Professional Studies

This course equips students with the knowledge and skills necessary to take an offensive position in regards to cybersecurity and the organization. Topics covered include penetration testing, ethical hacking, honeypots, false ports and services, false directories, attacker identification, network entry point notifications, subversion, and tarpitting.

Prerequisite(s): CIT 380, CYB 220, NAM 320, and STA 144

CYB 430 - Computer Forensics

Units: 3

When Offered: Online and Professional Studies

This course equips students with the knowledge and skills necessary to successfully navigate the cybersecurity incident response lifecycle. Topics covered include response preparation, incident detection, data collection, data analysis, remediation, and legal compliance.

Prerequisite(s): CIT 380, EGR 121, NAM 320, and STA 144

CYB 440 - Cybersecurity Management

Units: 3

When Offered: Online and Professional Studies

This course explores the theories, concepts, and methodologies related to organizational security. Students will be equipped with the knowledge and skills required for success regarding the following topics: component procurement, identity management, risk management, cybersecurity planning, security program management, and security operations.

Prerequisite(s): CIT 380

CYB 470 - Network Defense

Units: 3

When Offered: Online and Professional Studies

This course explores the methodologies, tools, and techniques necessary to protect network and communications assets from cyber related threats. Students will be equipped with the knowledge and skills required for success in regards to the following topics: implementing IDS/IPS, implementing firewalls and VPNs, defense in depth, honeypots and honeynets, network monitoring, network traffic analysis, minimizing exposure, network access control, DMZs/proxy

servers, network hardening, mission assurance, network policy development and enforcement, network operational procedures, and network attacks.

Prerequisite(s): CIT 380, 460, and STA 144

CYB 495 - Cybersecurity Capstone

Units: 3

When Offered: Online and Professional Studies

This course provides the opportunity to integrate knowledge and demonstrate skills obtained throughout the program in the form of an enterprise level cybersecurity related project, which involves a risk assessment of an organization's current cybersecurity posture and noting the results in the form of findings, discussion, and recommendations. The course culminates with a final report/paper and presentation.

Prerequisite(s): CYB 390, 410, 420, 440, and 470

DES 101 - Design Technology Applications I

Units: 3

When Offered: Fall

This is an introduction to the essential computer software tools used in the modern production of information society, with a focus on the workflow and productions native to design oriented tasks utilized in design and allied design professions. Students will be introduced to foundational design software applications - including Adobe Photoshop, Illustrator, and InDesign - and will be introduced to other workflow applications such as word processing, presentations, spreadsheets, databases, and email. Project based learning activities will provide hands-on experiences for student to practice and apply skills to real-world situations.

DES 110 - Design Thought Foundations I

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

The course will be an introduction to 2D design thinking, as applied to the interrelated, interdisciplinary fields of design and as understood from a biblical world-view. Basic design theories, principles, major movements and works will be covered. Basic creative approaches and design expressions are explored through projects, class discussions, field trips and lectures. This course is an introduction to the design paths available through the College of Architecture, Visual Arts, and Design, but also serves non-design majors interested in discovering design.

DES 112 - Design Thought Foundations II

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

The course continues the process of understanding and applying design thinking through an exploration of 3D design theories, principles and applications. Topics include developing a larger framework for design, design methods, human factors, and environmental factors, as well as application, integration and sharing of knowledge as related to Design Thought in the various disciplines of the College of Architecture, Visual Arts and Design.

Prerequisite(s): DES 110

DES 310 - Design Thought Practicum

Units: 3

When Offered: Fall

Design Thought Practicum builds on and continues the process of understanding interdisciplinary design thinking. The aim of the course is for students to apply the principles and processes of design thinking to the act of design. Students will work in interdisciplinary teams to complete design exercises and projects. Topics include developing a larger framework for design, design methods, design process, human factors in design, and environmental factors.

Prerequisite(s): DES 110

DES 491 - Design Internship

Units: 1-3

When Offered: As offered

The purpose of this course is to expose students to their respective design profession in a professional office setting, familiarize students with a professional working environment, and prepare students for future employment.

Repeatable: May be repeated for a maximum of three (3) units of credit

Grade Type: Pass/Fail

DES 498 - Portfolio

Units: 3

GE Designation: I

When Offered: Fall, Spring

This is an interdisciplinary course where students will focus on their portfolios and final presentation specific to their industry. Standards in presentation and expectations will be examined to set guidelines for the student's efforts in portfolio building. The goal of this course is for the student to finish with a strong, cohesive and compelling portfolio of student work. This course should focus on presentation beyond the capstone projects required for graduation.

DSP 330 - Dispatch I

Units: 3

When Offered: Spring

An in-depth study of aerodynamics, instruments, airspace, regulations, performance, weight and balance, physiology, aviation weather, navigation and flight operations. Prepares students for the FAA Dispatch knowledge test.

Prerequisite(s): AVN 210, 310, and FLT 119

DSP 430 - Dispatch II

Units: 3

When Offered: Fall

In-depth study of cross country flight operations, including Lancer Airways Operational Specifications, advanced weather application and practical dispatch applications.

Prerequisite(s): DSP 330

DSP 497 - Dispatch Capstone

Units: 3

When Offered: Spring

Senior-level application of practical dispatch knowledge and techniques. Prepares students for FAA Dispatch Practical Exam. Students must be age 21 to receive permission to enroll.

Prerequisite(s): DSP 430 and permission of the Department Chair

ECH 320 - Cognitive Development in Infancy and Early Childhood

Units: 3

When Offered: Fall

This course describes how the cognitive processes of thought, perception, attention, and problem-solving develop in infants and young children. Students will have the opportunity to explore the value of active learning in the development of knowledge, the specific ways in which children construct knowledge, and the theoretical models that support cognitive development at home and in school.

ECH 340 - Perceptual-Motor Development in Infancy and Early Childhood

Units: 3

When Offered: Fall

This course explores the concept of active learning and its importance to children's construction of knowledge through perception and movement, essentials of every learning experience.

ECH 350 - Social and Emotional Development in Infancy and Early Childhood

Units: 3

When Offered: Spring

This course introduces students to the process through which a child develops a sense of self within a socio-cultural system. Students will learn the significance of a supportive interpersonal environment for personality development. They will evaluate theories of emotional and personality development in infants and young children. They will describe the effects of social and emotional development on learning.

ECH 360 - Early Childhood Curriculum

Units: 3

When Offered: Online and Professional Studies

This course provides an introduction to the theory and practice of curriculum development in early childhood educational settings. Students will examine the principles involved in planning, implementing and evaluating developmentally appropriate curriculum in all developmental domains. Course content will emphasize the teacher's role in providing educational experiences that foster optimal growth and development of the individual child.

ECH 365 - Assessment of Young Children including Children with Disabilities

Units: 3

When Offered: Spring

Assessment procedures for use with infants, toddlers, and preschool children with disabilities. Includes information on basic assessment issues and concerns, specialized assessment instruments for particular developmental domains, and recommended procedures for assessing young children with mild to moderate disabilities. Students will become familiar with a wide range of assessment approaches and understand how assessment results can be used in curriculum planning and program evaluation for general and special education.

ECH 370 - Spiritual Development in Young Children

Units: 3

When Offered: Spring

This course will explore spiritual development in young children from a biblical perspective including the role of Scripture in spiritual formation. Students will learn how to facilitate effectively the spiritual growth of children through a comprehensive understanding of the process of spiritual formation.

ECH 375 - Early Intervention: Early Childhood Special Education

Units: 3

When Offered: Fall

Students will reflect on current trends and research in early intervention, including instructional content and practice for young children with disabilities. Students will apply and synthesize knowledge of early childhood intervention practice and research through analysis of videotapes and case studies as well as field work experiences.

ECH 385 - Theories and Models for Understanding Behavior in Young Children with Disabilities

Units: 3

When Offered: Spring

Students will examine theories of learning as they apply in special education, particularly as they apply to behavior management in young children with disabilities. Principles of applied behavior analysis will be used in a case study.

ECH 395 - Learning Environments for Young Children including Children with Disabilities

Units: 3

When Offered: Fall

Students will investigate learning environments for young children including home learning, hospital intervention programs, childcare centers, public school environments, and residential programs. They will examine the characteristics of model learning environments and how to plan for non-disabled children as well as children with various types of disabilities.

ECH 415 - Consultation and Collaboration in Early Childhood Intervention

Units: 3

When Offered: Spring

Students will examine the role of the early childhood intervention specialist as a member of interdisciplinary teams through readings, observations, interviews with professionals and family members. They will acquire skills in working with interdisciplinary team members.

Prerequisite(s): Senior status

ECH 425 - Low Incidence Disabilities in Young Children

Units: 3

When Offered: Fall

Through fieldwork and interaction with professionals from the community, students will become familiar with the particular needs of young children with low incidence disabilities and their families.

ECH 435 - Cross Cultural Perspectives of Children including Children with Disabilities

Units: 3

When Offered: Fall

Students will investigate how issues of culture affect beliefs and relationships among professionals and families with young children including children with disabilities and how multiple perspectives can affect child outcomes. Students will choose an area of interest to investigate using problem-based learning and present the result of their research to class members.

ECH 440 - STEM Curriculum Integrated with the Arts

Units: 3

When Offered: Spring

This course will provide an introduction to the theory and practice of curriculum development in Pre-K settings with a specific focus on STEM integrated with the Arts. Students will learn how to design, implement and evaluate developmentally appropriate programming (DAP) as well as the educator's responsibility in providing experiences that cultivate development of the whole child.

Prerequisite(s): ECH 320, 340, and 350

ECH 455 - Research Seminar in Early Childhood including Early Childhood Intervention

Units: 3

When Offered: Spring

Students will gain understanding of research in the area of early childhood intervention. Using the topic of inclusion as a focus, students will read and critique research in the areas of special education policy, professionals' beliefs and relationships, family concerns, issues of culture, and child outcomes. In addition, students will write an integrative research review in an area of interest, and they will orally present their review to class members.

Prerequisite(s): Senior status

ECH 460 - Adult Supervision

Units: 3

When Offered: Fall

This course is a study of the methods and principles of supervising teachers, assistant teachers, student teachers, parents and volunteers in early childhood and child development classrooms. Emphasis is on the role of administrators and classroom teachers who function as mentors to new personnel while simultaneously addressing the needs of administrative concerns, other staff, children and parents. Practical experience is attained in verbal and written communication. Attention is given to the role of communication as the conduit for establishing good interpersonal relations. This course is designed to be in alignment with the California Child Development Permit training requirements which state a Master Teacher must have a minimum of two (2) units in adult supervision.

Prerequisite(s): ECH 320, 340, and 350

ECH 461 - Administration of Early Childhood Programs I

Units: 3

When Offered: Fall

This course involves an introduction to management skills and administrative responsibilities pertaining to the successful operation of care and educational environments for early childhood programs. Emphasis is on the administration of programs for infants, toddlers, preschool, and school-age children. Content areas include: child and program development, adult supervision and management, family and community relationships, human resources development, business and fiscal management, and technological skill development. This course satisfies the Child Development Permit Requirement for Site Supervisor and Program Director Levels.

Pre- or Co- Requisite(s): ECH 460

ECH 462 - Administration of Early Childhood Programs II

Units: 3

When Offered: Spring

This course examines the dynamics of management behavior and responsibilities, and the communication process

within the organization. It includes the essentials of curriculum design, and its implementation and maintenance through systems of professional staff accountability. Quality program standards are reviewed and their link to professional growth planning and development are addressed. Presented as the foundation for effective management is skill building in leadership, teamwork, time management, sensitivity toward diversity, and advocating for the principles of developmentally appropriate practices. This course satisfies the Child Development Permit Requirement for Site Supervisor and Program Director Levels.

Prerequisite(s): ECH 461

ECH 495 - Practicum in Early Childhood and Intervention

Units: 3

When Offered: Fall, Spring

This course is a practicum that includes observation, participation, and teaching in the early childhood setting from birth through transitional kindergarten. Emphasis is on program planning including assessment for children in early childhood education and early childhood intervention. This course meets the requirements of the California Child Development Permit, Core Areas: Child Growth and Development, Child, Family and Community and Programs and Curriculum.

Prerequisite(s): Permission of the Dean and Senior status

ECH 498 - Early Childhood Studies Portfolio

Units: 1

When Offered: Fall, Spring

This capstone course serves to assess student learning in the Early Childhood Studies program. Students will draw on their work in early childhood studies classes to provide evidence of developing skills, knowledge and dispositions for becoming an early childhood educator.

Grade Type: Pass/Fail

Prerequisite(s): Senior status and last semester

EDU 200 - Special Topics in Education

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of education. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

EDU 300 - American Public School

Units: 3

When Offered: Fall, Spring, Summer

Exploring the educational paradigm historically and philosophically, students survey curriculum practices, teacher effectiveness, learner needs of the public schools, and classroom management to understand the challenges of teaching today. Emphasis is placed upon cultural diversity and a dynamic society. Cultural Plunge plus ten hours of fieldwork are required. A certificate of clearance is required prior to engaging in fieldwork. Prerequisite for all other education courses.

EDU 302 - Growth, Development and Learning

Units: 3

When Offered: Fall, Spring, Summer

This course is a study of human growth and development during the first two decades of life. Emphasis is placed on

how teachers apply theoretical foundations of the learning process, cultural forces affecting behavior, testing, grouping of students, and inclusion. Fifteen (15) hours of required fieldwork. A certificate of clearance is required prior to engaging in fieldwork. Prerequisite for all other education courses.

EDU 341 - The Exceptional Child

Units: 3

When Offered: Fall, Spring

The nature, determinants, adjustments, and problems of persons who have cognitive gifts and talents, cognitive delays, physical disabilities, learning disabilities, and who have emotional or behavior disorders will be studied in conjunction with appropriate educational interventions in the mainstream classroom and other settings. The course will acquaint students with (a) characteristics and needs of children with disabilities that affect learning, (b) methods of assessing disabilities, (c) components of the Individual Education Program (IEP), (d) instructional strategies and material, (e) positive behavior support, (f) special needs of families of learners with disabilities, (g) agencies and professional supporting learners with disabilities, and (h) legislation, including Public Law 94-142, IDEA (Part B and Part H), the American Disabilities Act (ADA), and the Rehabilitation Act of 1973 ("Section 504"), as well as subsequent amendments relevant to special education.

Fieldwork: Ten hours of fieldwork is required. A certificate of clearance is required prior to engaging in fieldwork.

EDU 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

EDU 400 - Special Topics in Education

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of education. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

EDU 405 - Teaching Math and Science

Units: 3

When Offered: As offered

This course prepares future teachers to meet the California State requirements for the Multiple Subject Credential in math and science and to equip diverse students with knowledge and methodologies necessary for the successful integration and teaching of these subjects. This course consists of the study of current best practice techniques and curriculum development used in teaching mathematics and science in the public schools. Emphasis is placed on effective instructional methods and evaluation procedures. A minimum of 20 hours of observation and participation in Math and Science classrooms is required with the purpose of providing students with opportunities to apply methods learned in this course to public school settings.

Prerequisite(s): Credential Program Acceptance, EDU 409, and 411

EDU 407 - Reading and Writing in the Content Areas

Units: 3

When Offered: As offered

Focusing on the attainment of skills as a teacher of literacy, this course requires students to demonstrate content reading

and writing competencies, such as determining reading readiness, applying readability formulas, evaluating textbooks, and developing strategies for vocabulary, critical thinking, and comprehension. Focus is placed on the preparation of lessons using PAR: pre-reading, assistance during reading and reflection after reading. Students are also introduced to beginning reader strategies.

Fieldwork: Twenty hours of fieldwork required

Prerequisite(s): Credential Program Acceptance, EDU 409, and 411

EDU 409 - Educational Psychology

Units: 3

When Offered: Fall, Spring, Summer

This course will equip candidates to appraise the relationship between the theories and practices of human development and teaching and learning methods. Specifically, candidates will examine the manner in which world view perspectives of developmental forces impact classroom policies and procedures. The role of assessment in determining student needs and designing appropriate pedagogical strategies will also be emphasized. This course will solidify understanding of the strengths-based approach to making the pedagogical decisions required in the TPA process.

Fieldwork: Four (4) hours of fieldwork is required

EDU 411 - Theories and Methods of Teaching Diverse Students

Units: 3

When Offered: Fall, Spring, Summer

This course will equip candidates with the theories and practices connected to working with diverse student populations. Candidates will examine the manner in which societal and cultural forces have impacted current perspectives of equity especially as they relate to special needs and English language learning students. The role of assessment in determining student needs and designing appropriate pedagogical strategies will also be emphasized. This course will solidify understanding of the strengths-based approach to making adaptations required in the TPA process.

Fieldwork: Ten (10) hours of fieldwork is required

EDU 412 - Teaching Language Arts and Social Studies

Units: 3

When Offered: As offered

This course prepares future teachers to meet the California state requirements for the Multiple Subject Credential and to equip students with knowledge and skills necessary for the successful teaching of these subjects. It is a study of the scope, the organization, and the instructional procedures used to teach social studies and language arts. Students learn how to design and develop interdisciplinary units of study, how to write and assess instructional objectives, and how to organize and integrate social studies and language arts instruction for diverse learners in the public classroom.

Fieldwork: Twenty (20) hours of fieldwork is required

Prerequisite(s): Credential Program Acceptance, EDU 409, and 411

EDU 416 - Pedagogical Approaches to Literacy Acquisition

Units: 3

When Offered: As offered

This course consists of the study of current best theories and practices in the teaching and assessment of listening, speaking, reading, and writing skills in the classroom. Cultural and linguistic differences will be examined as they pertain to literacy instruction and communication.

Fieldwork: Twenty (20) hours of fieldwork is required

Prerequisite(s): Credential Program Acceptance

Pre- or Co- Requisite(s): EDU 409 and 411

EDU 440 - Classroom Management and Ethics

Units: 3

When Offered: As offered

This course explores the context and best practices of teacher ethics and classroom management. The course equips students to navigate the implicit and explicit ethical dilemmas inherent in the routine decisions teachers make every school day in a manner consistent with the profession's code of ethics. The course also equips students with a variety of classroom management and ethics strategies and techniques to optimize the learning environment for all students.

Fieldwork: Ten hours of fieldwork is required

Prerequisite(s): Credential Program Acceptance

Pre- or Co- Requisite(s): EDU 409

EDU 450 - Bilingual Issues and Methods

Units: 3

When Offered: As offered

This course provides an in-depth study of the legal, ethical, social, and cultural issues surrounding the field of bilingual education. Students will study and develop methods of delivering academic content in English in order to provide bilingual students with equal access to the curriculum.

EDU 490 - Subject Area Specialization

Units: 3

When Offered: As offered

Working almost exclusively in small groups or one-on-one with the instructor, students focus only on the strategies and methods designed specifically for their subject area. In addition to the 30 hours of observation required, divided equally between middle school and high school, students in this course will teach three mini lessons, which are directly supervised by a master teacher, visit Open house night, sit in on a parent teacher conference, and tutor students.

Prerequisite(s): Credential Program Acceptance

EDU 497 - Secondary Methods

Units: 3

When Offered: As offered

This course examines various research-based instructional techniques, planning strategies, methods, and assessment practices for the secondary schools, both public and private. Twenty (20) hours of structured observation is required, equally divided between the middle school and high school classroom. This course will introduce the California TPA process.

Prerequisite(s): Credential Program Acceptance

Pre- or Co- Requisite(s): EDU 409 and 411

EDU 498 - Student Teaching and Seminar

Units: 15

When Offered: As offered

Teaching experience in the public school under the guidance of a university supervisor with cooperation of a master credentialed teacher in the public school. Open to Multiple Subject credential candidates who have been accepted by the Teacher Education Committee and who have been cleared for student teaching.

Grade Type: Pass/Fail

EGR 101 - Engineering from a Christian Worldview

Units: 3

GE Designation: I, M

When Offered: Fall

Serves as an introduction to the exciting field and vocation of engineering and the value of engineering training. Guest lectures from engineers, and introduction to teams through a group project will be included. Exploration of the concept of worldview from a Christian perspective is stressed. Emphasis will include Christian perspectives on purpose, integrity, discernment and service as they relate to the vocation of engineering. An assessment of one's learning style, temperament and potential strengths and weaknesses as part of self discovery will be included. The first course required of all students considering engineering as a major.

EGR 102 - Introduction to Engineering Design

Units: 4

GE Designation: I

When Offered: Spring

Introduction to fundamental techniques used in engineering design and analysis. Different models of the design process will be examined. A collaborative team oriented design project will be undertaken.

EGR 103 - Engineering Service I

Units: 1-3

When Offered: Fall, Spring, Summer

Taking engineering out into the community through service. Activities important to the community will be addressed by teams of engineering students. Intended to stimulate ideas of engineering design classes. 30 hours of service required per unit.

Repeatable: May be repeated for credit

Pre- or Co- Requisite(s): EGR 101 or 102

EGR 106 - Introduction to Engineering Design - Energy Systems

Units: 1

When Offered: Spring

A broad overview of fundamentals and applied concepts of energy used in engineering design and analysis. Energy issues related to sources, generation, delivery, conversion, efficiency and the environment will be discussed. Basic design calculation problems dealing with thermodynamics and heat transfer principles will be examined. This course is for the students with approved design experience.

Prerequisite(s): Permission of the Dean or Department Chair

EGR 121 - Introduction to Computer Programming in C++

Units: 3

GE Designation: I

When Offered: Fall, Spring

Introduction to computer science. Covers problem solving methods and algorithm development, modern programming methodologies, and fundamentals of high-level block structured language using C++.

Prerequisite(s): EGR 181 or MAT 115

EGR 122 - Visualization Languages I

Units: 3

GE Designation: I

When Offered: Fall, Spring

Engineering is a discipline which requires the effective communication of visual information as part of persuasion or education. Excel (beginning and advanced techniques), and a CAD program will be covered to assist in that process for a real current engineering problem of interest. For example this might include the utilization of solar power in Riverside County to address energy consumption concerns. This course lays the foundation for future courses which have elements of data and information presentation.

EGR 124 - Visualization Languages - Excel

Units: 1

When Offered: Fall, Spring

Beginning through advanced level of Excel will be covered to assist real engineering problems and data analysis. This course lays the foundation for future courses which have elements of data and information presentation. This course is for the students with approved AutoCAD course and experience.

Prerequisite(s): Permission of the Dean or Department Chair

EGR 181 - Elementary Mathematics for Engineering Applications with Lab

Units: 4

When Offered: Fall

This is a four unit course that prepares the engineering student for EGR 182. There is no prerequisite. This course will include instruction in the following areas: graphs, linear equations, polynomials, factoring, functions, roots and radicals, quadratic equations and inequalities, graphing relations and functions, polynomial and rational functions, inverse, exponential and logarithmic functions, systems of equations and inequalities, matrices and determinants, as well as sequences and series.

EGR 182 - Introductory Mathematics for Engineering Applications

Units: 4

When Offered: Fall, Spring

This course will provide an overview of the salient math topics most heavily used in the core sophomore-level engineering courses. These include trigonometry, vectors, complex numbers, sinusoids and harmonic signals, systems of equations and matrices, derivatives, integrals, differential equations and Fourier series within the context of an engineering application. These concepts will be reinforced through extensive examples of their use in the core engineering curriculum. Students may only earn credit for either EGR 182 or EGR 182L.

Prerequisite(s): EGR 181 or MAT 115

EGR 182L - Introductory Mathematics for Engineering Applications Lab

Units: 1

When Offered: Fall, Spring

This lab course will focus on engineering applications of the math topics covered in EGR 182 and MATLAB programming skills. The lab sessions include experiments of mechanical and electric systems involving math topics most heavily used in the core sophomore-level engineering courses, such as algebraic, trigonometry, vectors and complex numbers, sinusoids and harmonic signals, and derivatives. Students may only earn credit for either EGR 182 or EGR 182L.

Prerequisite(s): Permission of the Dean or Department Chair

EGR 192 - Engineering Seminar I

Units: 1**When Offered:** Fall, Spring

Different speakers of importance to the engineering profession will make presentations. Included are area engineering leaders and professionals as well as nationally recognized contributors to the profession of engineering. A two page '4MAT' response which includes a one page executive summary will be required. Reflections should be included in the EGR 202 response.

Repeatable: May be repeated for credit**EGR 202 - Worldview Reflection I****Units: 0****When Offered:** Spring

A reflection paper will be submitted including your understanding of the college of engineering's mission statement. The paper will document and draw upon the materials from EGR 101, EGR 102, EGR 103, EGR 122, and EGR 192. Upon completion and acceptance a party in your honor including a book signed by your professors and given to you will occur. Required for acceptance into the major.

EGR 221 - Data Structures**Units: 3****When Offered:** Spring

Develops discipline in program design, style, debugging, testing. Examines linked data structures, trees, introduction to graphs, and recursion.

Prerequisite(s): CIS 268 or EGR 121**EGR 222 - Software Engineering****Units: 3****When Offered:** Fall

Overview of the software development process. Includes requirements, design, construction, and testing of software. Software project planning. Analysis, architecture, and design of software systems using UML. Evaluating designs. Implementing designs using appropriate data structures, frameworks, and APIs.

Prerequisite(s): CIS 268 or EGR 121**EGR 223 - Software Engineering Approach to Human Computer Interaction****Units: 3****When Offered:** Spring

Design, implementation and evaluation of user interfaces. Usability engineering. Task analysis, user-centered design, and prototyping. Conceptual models and metaphors for user interfaces.

Prerequisite(s): EGR 222**EGR 225 - Discrete Structures I****Units: 3****When Offered:** Fall

Introduces the foundations of discrete mathematics as they apply to computer science, focusing on providing a solid theoretical foundation for further work. Topics include functions, relations, sets, simple proof techniques, Boolean algebra, propositional logic, digital logic, elementary number theory, and the fundamentals of counting.

EGR 226 - Operating Systems and Networking

Units: 3

When Offered: Spring

Introduces the fundamentals of operating systems including processes, memory, scheduling, input/output together with the basics of networking protocols.

Prerequisite(s): EGR 222

EGR 231 - Circuit Theory I

Units: 4

When Offered: Fall

Linear circuit elements, sources, Kirchhoff's laws, mesh and node equations, Thevenin and Norton equivalent circuits, resistive network analysis, sinusoidal steady-state analysis, power, transient analysis of simple circuits.

Pre- or Co- Requisite(s): EGR 182 or MAT 245

EGR 232 - Circuit Theory II and Design

Units: 4

When Offered: Spring

Analysis of networks and systems by transform and state-variable methods, two-port networks, topology, network functions, application of convolution, network synthesis, filter design. An analog design project requiring a written report, poster and presentation will be required.

Prerequisite(s): EGR 231

EGR 234 - Digital Logic Design

Units: 4

When Offered: Fall

Boolean algebra, number systems and representations, analysis and design of combinational and sequential logic circuits, minimization, small and medium scale integrated devices, programmable logic and simulation of digital circuits.

Prerequisite(s): MAT 115 or higher

EGR 241 - Statics

Units: 3

When Offered: Fall

Study of forces, moments, free-body diagrams, friction, equilibrium, first and second moments of lines, centers of pressure, mass and gravity, and moments of inertia.

Prerequisite(s): EGR 182 or MAT 245

EGR 242 - Strength of Materials

Units: 3

When Offered: Spring

Introduction of stress and strain, stress transformations, analysis of stresses, strain, and deflections in axial members, beams, and torsional shafts. Analysis of pressure vessels.

Prerequisite(s): EGR 241, and either 182 or MAT 245

EGR 251 - Surveying

Units: 4

When Offered: Fall

A study of the science and art of relative spatial measurements for engineering purposes. Special emphasis is placed on the theory of errors, use of modern surveying instruments, and field practice in transit-tape traversing, leveling and route surveying. In addition, engineering graphing techniques and software are introduced.

EGR 252 - Transportation

Units: 3

When Offered: As offered

Introduction to transportation engineering with an emphasis on highway design. Topics include transportation demand and planning, aerial photography, environmental impact statements, horizontal and vertical alignment, earthwork, volumes, and design of flexible and rigid pavements.

Prerequisite(s): EGR 251 and MAT 255

EGR 254 - Materials Engineering

Units: 3

When Offered: Spring

Study of the mechanical and physical properties of construction materials. Introduction to concrete mix design. Laboratory experiments include the measurement of strains using mechanical gauges and electrical resistance strain gauges; behavior and failure of ductile and brittle materials subjected to axial or bending forces; introduction to creep, impact and stability of columns. A design project is required, as well as written reports.

EGR 256 - Principles of Environmental Engineering and Science

Units: 3

When Offered: Spring

Introductory study of environmental engineering principles, including chemistry, microbiology, ecosystems, material and energy balances, nutrient cycles, risk assessment, risk management, sustainability, water treatment, wastewater treatment, air pollution, solid and hazardous waste, noise pollution and radiation protection.

Prerequisite(s): CHE 115 or 130

EGR 261 - Fundamentals of Bioengineering I

Units: 3

When Offered: Fall

The two semester "Fundamentals of Bioengineering" course sequence introduces students to the broad field of Bioengineering and to principles, some basic engineering skills and techniques used in the profession. The course introduces broad topics in cellular and physiological principles and diverse biomedical engineering fields such as bioinstrumentation, bioimaging, biomechanics, biomaterials, and biomolecular engineering.

Prerequisite(s): EGR 182 or MAT 245

EGR 262 - Fundamentals of Bioengineering II

Units: 3

When Offered: Spring

This course is a continuation of EGR 261 with application emphasis, by covering biomechanical, bioelectrical, physiological and computer modeling aspects of the field. The course covers some of the mechanical, computer modeling and electrical aspects of the field, particularly as related to the human cardiovascular system.

Prerequisite(s): EGR 261

EGR 263 - Introduction to 3D Computer Aided Design

Units: 2

When Offered: Fall

This course introduces students to three dimensional (3D) computer aided design (CAD) using Solidworks software. Students will learn to create sketches, extrusions, revolutions, and holes. Design considerations for 3D printing and/or rapid prototyping will be included.

EGR 271 - Basic Principles and Calculations in Chemical Engineering I

Units: 2

When Offered: Fall

An introduction to concepts used in chemical engineering calculations including chemical process variables and conservation principles of mass applied to various chemical systems.

Prerequisite(s): MAT 245

Pre- or Co- Requisite(s): CHE 115

EGR 272 - Basic Principles and Calculations in Chemical Engineering II

Units: 2

When Offered: Spring

A continuation of EGR 271 including conservation principles of energy applied to various chemical systems and the application of basic thermodynamic principles.

Prerequisite(s): EGR 271

Pre- or Co- Requisite(s): CHE 125

EGR 281 - Introduction to Industrial and Systems Engineering

Units: 3

When Offered: Fall

Gateway to the bachelor of science in industrial and systems engineering. A combination of plant tours, laboratory experiences, and lecture are used to introduce the philosophy, subject matter, aims, goals, and techniques of industrial and systems engineering.

EGR 291 - Special Topics or Research Project

Units: 1-3

When Offered: Fall

This special registration permits the completion of lower division degree requirements for transfer or other students, program requirement changes, or other special circumstances in which students have partial but not full credit toward a specific degree requirement. It also provides the opportunity for recognition of supervised academic experiences that are not included in traditional curriculum. Registration requires approval by the dean and sponsoring faculty member. The determination of degree credits is at the time of registration.

Prerequisite(s): EGR 101 and permission of the Dean

EGR 296 - Project or Research Experience

Units: 0-3

When Offered: Summer

This course provides the opportunity for recognition of supervised academic experiences that are not included in traditional curriculum. Students are provided with the opportunity to work on projects overseen by the faculty in order

to gain experience in engineering.

Repeatable: May be repeated for a maximum of six (6) units of credit

Practicum: Pass/Fail.

Prerequisite(s): Permission of the Department Chair

EGR 301 - Engineering from a Christian Worldview

Units: 3

When Offered: Fall

Fulfills the requirement of EGR 101 for transfers with upper division status. Serves as an introduction to the exciting field and vocation of engineering and the value of engineering training. Guest lectures from engineers, and introduction to teams through a group project will be included. Exploration of the concept of worldview from a Christian perspective is stressed. Emphasis will include Christian perspectives on purpose, integrity, discernment and service as they relate to the vocation of engineering. An assessment of one's learning style, temperament and potential strengths and weaknesses as part of self discovery will be included. The first course required of all students considering engineering as a major.

Pre- or Co- Requisite(s): EGR 303

EGR 302 - Engineering Design and Documentation

Units: 3

GE Designation: I

When Offered: Spring

Team design of industrial or self-designed projects. Requires the design and development of a process or product with oral and written reports. Includes a review and analysis of professional papers.

Prerequisite(s): EGR 202

Pre- or Co- Requisite(s): CON 310 or EGR 305

EGR 303 - Engineering Service II

Units: 1-3

When Offered: Fall, Spring, Summer

Taking engineering out into the community or a cross cultural setting through service. Intended to stimulate ideas of engineering design classes Could be taken in conjunction with the ISP or study abroad option. Fulfills the requirement of EGR 103 for upper division transfers. 30 hours of service required per unit.

Repeatable: May be repeated for credit

Prerequisite(s): Junior status

EGR 304 - Leadership Cohort

Units: 1

GE Designation: I, M

When Offered: Spring

Preparation for a lifetime of leadership as an engineer. Small group discussion format, with opportunities for student facilitated discussions. Topics include: leadership in organizations, emotional intelligence, the psychology of small group dynamics and team performance, global perspectives of engineering. Written executive summaries as part of a "4MAT" like response will be required prior to discussion.

Prerequisite(s): Permission of the Department Chair

EGR 305 - Engineering Statistics

Units: 2

GE Designation: I

When Offered: Fall, Spring

An introduction to the primary statistical and probabilistic models used in the collection and interpretation of engineering data. The focus is on summary techniques, regression models, and application of the central limit theorem, confidence intervals, hypothesis tests, and analysis of variance.

Prerequisite(s): MAT 245

EGR 306 - Internship Preparation

Units: 1

GE Designation: I, M

When Offered: Fall

Designed to prepare you for the official internship during your junior summer. Discussion and development of the individuals priorities for their learning contract. Topics include: resume and internship writing, finding an internship, how you will be assessed as an intern, the psychology of the workplace, different types of bosses and working on teams, and the different types of work environment.

Pre- or Co- Requisite(s): EGR 202

EGR 321 - Computer Organization

Units: 3

When Offered: Fall

Study of organization and structuring of the major hardware and software components of computers. Includes mechanics of information transfer and control within a digital computer system. Introduces machine instruction sets and assembly language programming.

Prerequisite(s): EGR 234

EGR 322 - Microcontroller System Design

Units: 3

When Offered: Spring

Design of hardware and software for embedded systems using a modern microcontroller. Covers hardware interfacing including memory system design, interrupt interfacing, and use of internal and external peripheral devices. Emphasis is placed on assembly language programming of the microcontroller including device drivers, exception and interrupt handling, and interfacing with higher-level languages. Laboratory exercises require assembly language programming and hardware design.

Prerequisite(s): EGR 321

EGR 323 - Software Requirements and Analysis

Units: 4

When Offered: Spring

This course covers techniques for discovering and eliciting requirements using languages and models for representing requirements, analysis, and validation techniques, including need, goal, and use case analysis, requirements in the context of system engineering, and requirements documentation standards. With a focus on traceability, human factors, and requirements management, software change requests become manageable. Quality assurance, verification, inspections, and reviews of the requirements proceed using statistical approaches to quality control.

Prerequisite(s): EGR 222

EGR 324 - Engineering Economics

Units: 3

When Offered: Fall

Economic concepts of supply, demand, and production; cost-benefit analysis and break-even analysis; return on investment; analysis of options; time value of money; management of money; economic analysis, accounting for risk applied to the engineering process.

EGR 325 - Database Systems

Units: 3

When Offered: Spring

Overview of current database technologies with an emphasis on relational database technology. Introduction to database design, entity relationship diagramming, structured query language, and stored procedures.

Prerequisite(s): EGR 222

EGR 326 - Software Design and Architecture

Units: 3

When Offered: Spring

An in-depth look at software design. Study of design patterns, frameworks, and architectures. Survey of current middleware architectures. Component based design. Measurement theory and appropriate use of metrics in design. Designing for qualities such as performance, safety, security, reusability, reliability, etc. Measuring internal qualities and complexity of software. Evaluation and evolution of designs. Basics of software evolution, reengineering, and reverse engineering.

Prerequisite(s): EGR 327

EGR 327 - Software Construction

Units: 3

When Offered: Fall

Coverage of software construction fundamentals including minimizing complexity, anticipating change, and constructing for verification. Discussion will include best practices like patterns, object orientated programming and agility. Management of the construction process and accounting for practical considerations will also be examined.

Prerequisite(s): EGR 221 and 222

EGR 328 - Numerical Methods for Computing

Units: 2

When Offered: Fall

The course introduces numerical methods for computing using standard Numerical Libraries. Students will solve matrix equations with decompositions, including LU and QR. The Singular Value Decompositions are covered in depth as the foundation for Natural Language Processing.

Prerequisite(s): MAT 255

EGR 329 - Computer Architecture

Units: 3

When Offered: Fall

Introduces students to the organization and architecture of computer systems, beginning with the standard von Neumann model and then moving forward to more recent architectural concepts. Introduction to assembly language programming.

Prerequisite(s): EGR 121 and 225

EGR 331 - Signals and Systems

Units: 3

When Offered: Fall

Characterization of linear systems by impulse response, convolution, transfer function. Study of linear differential equations and linear difference equations as models. Study of continuous and discrete signals including filters and their effects. Uses transform methods including Fourier series and transforms, FFT, Laplace transforms and Z transforms. Includes computer problems. Assumes familiarity with MATLAB computer software.

Prerequisite(s): EGR 232 and MAT 255

EGR 332 - Communication Systems

Units: 3

When Offered: As offered

Introduction to principles of modern communication systems with an emphasis on digital data transmission. Pulse amplitude and pulse code modulation are covered. Digital techniques of delta modulation and time division multiplexing are presented. The basics of AM, FM, and PM transmitters and receivers are treated along with noise effects, filtering, threshold effects and phase-locked loops. Common carrier, fiber optic, satellite and television systems are outlined. Local and Wide area networks are explored in depth.

Prerequisite(s): EGR 331

EGR 333 - Electronics I

Units: 3

When Offered: Fall

Study of electronic devices and basic circuit configurations. Topics covered include amplifier basics, diodes, field effect transistors, and bipolar junction transistors. Includes lab problems.

Prerequisite(s): EGR 232

EGR 334 - Electronics II

Units: 3

When Offered: Spring

Study of integrated-circuit amplifier design techniques, differential amplifiers, frequency response, feedback, and operational amplifiers. Special topics may include CMOS digital logic circuits, output stages and power amplifiers, filters, and oscillators. Includes lab problems.

Prerequisite(s): EGR 333

EGR 335 - Data Acquisition, Design and Visualization

Units: 3

When Offered: Fall

Design and implementation of computer-assisted data acquisition (DAQ) systems and computer controlled instrumentation. Designs are implemented and visualized as virtual instruments using the LabVIEW Graphical Programming Language.

Prerequisite(s): EGR 232

EGR 341 - Thermodynamics

Units: 3

When Offered: Fall

Thermodynamic properties, heat and work, first and second laws, processes, ideal and nonideal cycles.

Prerequisite(s): CHE 115 or 130, and either PHY 203 or 214

EGR 342 - Fluid Mechanics

Units: 3

When Offered: Spring

Introductory concepts of fluid motions, fluid statics, control volume forms and basic principles, and applications basic principles of fluid mechanics to problems in viscous and compressible flow.

Pre- or Co- Requisite(s): MAT 342 or 343

EGR 343 - Dynamics

Units: 3

When Offered: Fall

Kinematics and kinetics of particles and rigid bodies including Newton's Second Law, work energy methods, impulse-momentum, central and oblique impact.

Prerequisite(s): EGR 241, MAT 255, and PHY 201

EGR 344 - Materials and Manufacturing Processes

Units: 4

When Offered: Fall

Properties of the principal families of materials used in mechanical engineering design with an introduction to the manufacturing processes used to convert these materials into finished products. Application of statistics and probability to material properties and manufacturing. Laboratory experiments in strength of materials, property of materials, and manufacturing processes.

Prerequisite(s): EGR 242

EGR 346 - Machine Design

Units: 3

When Offered: Fall

The fundamentals of machine elements in mechanical design. Includes the analysis of components under static and fatigue loadings, and the analysis, properties, and selection of machine elements such as shafts, gears, belts, chains, brakes, clutches, bearings, screw drives and fasteners.

Prerequisite(s): EGR 242

EGR 351 - Structural Analysis I

Units: 3

When Offered: Fall

Application of fundamental analysis concepts to the behavior of civil engineering structures and structural components. Analysis of statically determinate and indeterminate structures using classical methods such as Slope Deflection and Moment Distribution. Introduction to a typical Structural Analysis Computer Programs.

Prerequisite(s): EGR 242

EGR 352 - Structural Design I

Units: 3

When Offered: Spring

Principles of the design of steel structures. Design includes axial tension and compression members, flexural members, beam-columns, connections and composite design. LRFD methods are used. Replaces EGR 302 core for Civil Engineers.

Prerequisite(s): EGR 202 and 351

EGR 353 - Soil Mechanics

Units: 3

When Offered: Fall

The study of index, mechanical and hydraulic properties of soils. Soil identification, compaction, shear strength, consolidation, vertical stress distribution, and flow through porous media. Principles of laboratory identification and testing of soils. Site investigation and in situ testing.

Prerequisite(s): EGR 254

EGR 354 - Soil and Foundation Engineering

Units: 3

When Offered: Spring

A continuation of EGR 353. Lateral earth pressures, retaining wall design, elastic stress distribution, settlement, and bearing capacity of foundation systems. Sizing of shallow and deep foundation systems.

Prerequisite(s): EGR 353

EGR 356 - Hydrology

Units: 3

When Offered: Spring

Introduction to surface and ground water hydrology: hydrologic cycle, precipitation, evaporation, infiltration, groundwater flow, well hydraulics, runoff, rainfall-runoff relationships, uniform flow in open channels, streamflow measurements, hydrologic routing, hydrologic modeling, hydrologic probability, and applications.

Prerequisite(s): MAT 245

EGR 361 - Introduction to Biomechanics

Units: 3

When Offered: Fall

The course introduces biomechanical principles and their application from a quantitative and rehabilitation perspective. Primary topic areas will include kinematics and kinetics of human movement including modern measurement techniques in human movement science. A model-based description of the mechanical behavior of biological tissues and how biomechanical and neural factors interact in human movement will also be introduced. Labs will provide the student with an understanding of fundamental techniques used in biomechanical analyses and rehabilitation engineering design and development.

Prerequisite(s): BIO 153 and EGR 242

EGR 362 - Engineering Physiology

Units: 2

When Offered: Fall

This course teaches students to model biological systems, become familiar with biocompatibility testing, and understand long-term biological response (tissue formation / fibrosis). Students will learn how cells respond to the extra cellular environment using engineering modeling techniques. The course will cover both cellular functions and

biological systems modeling.

Prerequisite(s): BIO 153, and either EGR 231 or 262

EGR 363 - Biofluid Mechanics and Relevant Technologies

Units: 3

When Offered: Fall

Introduces the basic principles of fluid mechanics and applies them to key functions of the human body. Students will learn topics such as Poiseuille flow, Bernoulli's equation, and Ohm's Law analogy and how they relate to cardiovascular physiology, prosthetic heart valves, and aqueous humor dynamics relevant to Glaucoma. Medical Devices and sensors relating to fluid flow will be covered as well as basic Heat Transfer and Thermodynamics. Course includes a weekly laboratory session that includes both hands-on experimental measurements and computer-based numerical modeling of fluid flow using MATLAB.

Prerequisite(s): EGR 382, and either 262 or PHY 203

EGR 364 - Bioimaging

Units: 3

When Offered: Spring

Medical imaging techniques have become important tools for monitoring of diseases and understanding of the molecular aspects of living organisms. This course provides a broad-based overview of major imaging techniques used in biomedical patient care and research. Imaging techniques covered include x-ray, computed tomography (CT), ultrasound, nuclear medicine (PET), and magnetic resonance imaging (MRI). The underlying physics, image formation theories and selected applications are lectured.

Prerequisite(s): EGR 382

EGR 365 - Biomedical Engineering Research and Instrumentation

Units: 3

When Offered: Spring

This course focuses on laboratory research projects and topics of current interest that are not normally covered in other established courses. Students are expected to be actively engaged in the research and design activity by performing experiments, simulations, or related lab tasks and also by conducting literature review for a project. Through participation in experimental/engineering designs, students will learn how to collect and generate data for papers, posters, and presentations to be used in a professional seminar or journal articles. Content varies from year to year, and are determined by both instructor and student interest.

Prerequisite(s): Permission of the Department Chair

Concurrent Requisite(s): EGR 305

EGR 371 - Heat and Mass Transport

Units: 3

When Offered: Fall

Study of fundamental heat and mass transfer principles including conduction, forced and free convection (including the application of boundary layer concepts), radiation, and diffusion. It will include the analysis and computation of heat transfer, mass transfer, temperature, and concentration profiles in systems with simple geometries. Estimation and use of local and overall heat and mass transfer coefficients will be covered.

Prerequisite(s): EGR 272, 342, and MAT 342

EGR 372 - Chemical Engineering Thermodynamics

Units: 3

When Offered: Spring

The fundamentals and applications of thermodynamic properties and processes with a focus on multi-component systems including phase equilibria, nonideal solution behavior, and chemical reaction equilibria. Turbines, compressors, power plants, refrigeration cycles.

Prerequisite(s): EGR 272, MAT 342, CHE 415, and PHY 203

EGR 373 - Material Engineering and Selection

Units: 2

When Offered: Fall

An introduction to the properties and processing of metals, polymers, and other materials. The influences of crystal structure, bonding, and electronic structure on physical and mechanical properties are examined. Causes and control of various types of corrosion are explored.

Prerequisite(s): CHE 125

EGR 374 - Separations

Units: 3

When Offered: Spring

Study of separation processes including continuous contact, staged, and batch processes. Separations by phase addition/creation, barrier, interaction with solids, and external field or gradient will be examined.

Prerequisite(s): EGR 371

Pre- or Co- Requisite(s): EGR 372

EGR 381 - Operations Research I: Deterministic Methods

Units: 3

When Offered: Fall

Introduction to linear programming; transportation and assignment problems; dynamic programming; integer programming; nonlinear programming.

Prerequisite(s): EGR 382

EGR 382 - Applied Differential Equations and Linear Algebra

Units: 3

When Offered: Spring

An introduction to ordinary differential equations is complemented with the tandem presentation of elementary linear algebra, inclusive of vector spaces, matrices, systems of linear equations, and eigenvectors and eigenvalues. Theory and solution methods for differential equations, including numerical approximations, are presented along with engineering-related applications. MATLAB is used for computer-based methods.

Prerequisite(s): EGR 121 and MAT 255

EGR 383 - Quality Control

Units: 3

When Offered: Fall

Quantitative aspects of statistical quality control (process control, acceptance sampling by attribute and by variable, rectifying inspection), quality assurance and the management of QC/QA functions.

Prerequisite(s): EGR 305

EGR 384 - Human Factors and Ergonomics

Units: 3

When Offered: Spring

Physiological systems and psychological characteristics; ergonomics; anthropometry; effects of the physical environment on humans; occupational safety and health; work methods.

Prerequisite(s): EGR 305

EGR 386 - Operations Research II: Probabilistic Methods

Units: 3

When Offered: Spring

An introduction to ordinary differential equations is complemented with the tandem presentation of elementary linear Stochastic processes; Markov chains; queuing theory and queuing decision models; probabilistic inventory models.

Prerequisite(s): EGR 305

EGR 390 - Internship

Units: 0

When Offered: As offered

A required internship with industry, research, non profit or other experience with a minimum of 200 hours of supervised work. A learning contract signed by the student and supervisor is required at the beginning and an executive summary written by the student and signed by the supervisor is required at completion.

EGR 392 - Engineering Seminar II

Units: 1

When Offered: Spring

Different speakers of importance to the engineering profession will make presentations. Included are area engineering leaders and professionals as well as nationally recognized contributors to the profession of engineering. Short reflection papers are required and will be included in your electronic portfolio. May serve as EGR 192 credit for upper division transfer students.

Repeatable: May be repeated for credit

EGR 401 - Capstone Design

Units: 3

GE Designation: I

When Offered: Fall

The first of a two course senior capstone design sequence. Various design topics may be discussed including equipment design, the design of process systems, and economics. Student teams select a project which may involve company sponsorship, and proceed through the design methodology introduced in earlier design classes, incorporating appropriate engineering standards and multiple realistic constraints. Every project has a 'customer' which requires the generation of a customer spec. During the sequence students provide detailed schedules for building a prototype system or designing a process and present weekly progress reports. They also produce technical specifications, undergo a preliminary design review (PDR), and build a working prototype system if appropriate.

Prerequisite(s): EGR 302 or 352

Concurrent Requisite(s): EGR 403

EGR 402 - Capstone Design and Presentation

Units: 3

When Offered: Spring

A continuation of EGR 401. Further development of the project will take place and will involve testing as appropriate. Teams will develop proper documentation for their projects and will appropriately communicate and present the results of their project. A final presentation is given to the public which could include members of the engineering advisory council. The presentation will be recorded and included as a part of students' senior portfolios.

Prerequisite(s): EGR 401

Concurrent Requisite(s): EGR 404 and 406

EGR 403 - FE Exam

Units: 0

When Offered: Fall

A review course for general portion of Fundamental Engineering Exam. This course reviews four topics in common to all engineering majors and computer science major for Fundamental Engineering Exam or any equivalent exams in the field: Mathematics, Statistics, Economics, and Engineering Ethics. The topics are covered by different instructors in college of engineering. Fundamental Engineering Exam policies and test taking strategies are also covered.

Prerequisite(s): Senior status

EGR 404 - Worldview Reflection II

Units: 0

When Offered: Spring

A final integrative reflection paper on what you have learned about engineering from a Christian worldview perspective will be written and included in your portfolio.

EGR 405 - Internship Report and Presentation

Units: 1

GE Designation: I, M

When Offered: Fall

An executive summary of your summer intern experience, signed by your supervisor will be submitted the first day of class. A PowerPoint presentation to the entire class and evaluated by your professors and peers will be made. A video of your presentation will be made and feedback will be provided.

EGR 406 - Senior Portfolio

Units: 0

When Offered: Spring

An electronic portfolio suitable for archiving and showing to prospective employers will be submitted. A copy will remain with the department for use in future letters of reference. Items to be included will be an updated resume, seminar reflections, samples of your design and writing capabilities including EGR 302 and EGR 402 documentation, a sample of your presentation capabilities from EGR 402 final presentation and a record of your service activities.

EGR 423 - Mobile Applications Development

Units: 3

When Offered: Fall

Investigation of mobile operating systems and associated software development environments. Consideration of unique constraints and techniques for creating software designed for mobile devices. Design and development of a mobile

application.

Prerequisite(s): EGR 327

EGR 424 - Web Application Development

Units: 3

When Offered: Spring

The design and development of data driven web applications. The integration and exploitation of HTML, JavaScript, server-side programming languages and database technology.

Prerequisite(s): EGR 325

EGR 425 - Real Time and Embedded Development

Units: 3

When Offered: Spring

Focus on Programming real-time applications on an embedded platform running a real-time operating system (RTOS). Consideration will be given to cross-compiled software development, embedded system debugging, multitasking, real-time scheduling, inter-task communication, software design for deterministic execution time, software performance analysis and optimization, device drivers.

Prerequisite(s): EGR 222 and 329

EGR 427 - Software Project Management

Units: 3

When Offered: Fall

Project planning, cost estimation and scheduling. Project management tools. Analysis of options and risks. Release and configuration management. Software process standards and process implementation. Approaches to maintenance and long-term software development.

Prerequisite(s): EGR 222

EGR 431 - Control Systems

Units: 3

When Offered: Spring

Analog control system modeling, analysis, and design using root locus and frequency response methods. Introduction to state variable methods and digital control. Includes lab projects on real-time control systems. MATLAB and SIMULINK are used extensively as design tools.

Prerequisite(s): EGR 331

EGR 432 - Applied Electromagnetics

Units: 3

When Offered: Spring

Vector description of the electric and magnetic properties of free space (using the laws of Coulomb, Ampere, and Faraday). Maxwell's electromagnetic field equations. Wave propagation in unbounded regions, reflection and refraction of waves, and transmission lines and antennas.

Prerequisite(s): EGR 232, MAT 343, and PHY 203

EGR 433 - Power Electronics

Units: 3

When Offered: Fall

Introduction to the power electronic systems, power controls, switching circuits; power converter topologies and magnetic components including AC/DC, DC/DC, DC/AC converters and their applications.

Prerequisite(s): EGR 334 and 431

EGR 434 - Robot Modeling and Control

Units: 3

When Offered: Spring

Introduction to fundamentals of robotics. Topics include coordinate frames and transformations, forward and inverse positional kinematics, velocities and Jacobians of linkages, dynamics, sensors and actuators, path planning, robot control methodologies. Special topics such as teleoperation, haptics or computer vision will be introduced. Includes lab problems.

Prerequisite(s): EGR 431

EGR 435 - Advanced Digital System Design Using FPGAs

Units: 3

When Offered: Fall

Field-Programmable Gate Arrays (FPGAs) have become a popular method of implementing digital electronic designs. Introduction to FPGA integrated circuit structure, concepts, programming, and user designs by way of lecture and laboratory. Thorough treatment of the Verilog Hardware Description Language (HDL) and Xilinx design software plus development boards, in a learn-by-doing approach, via simulation and actual implementation plus testing. Students are taught design building blocks in ever increasing complexity, first combinational blocks then sequential. For example: multiplexors, decoders, counters, state-machines, UARTS and finally an imbedded microcontroller.

Prerequisite(s): EGR 322

EGR 441 - Heat Transfer

Units: 3

When Offered: Spring

Steady and unsteady heat conduction including numerical solutions, forced and natural convection in external and internal flows, thermal radiation properties and exchange between surfaces, introduction to heat exchangers, and boiling and condensation are covered.

Prerequisite(s): EGR 341

Pre- or Co- Requisite(s): EGR 342

EGR 442 - Computer-Aided Engineering Design and Visualization

Units: 3

When Offered: Spring

Design, analysis and visualization of engineering components and systems using interactive computer programs with emphasis on computer simulation.

Prerequisite(s): EGR 242

EGR 443 - Mechanical Vibrations

Units: 3

When Offered: Spring

The theory and analysis of vibrating systems including single and multi-degrees of freedom, free and forced, vibrations,

with and without damping.

Prerequisite(s): EGR 343 and 382

EGR 444 - Mechanical Engineering Laboratory

Units: 3

When Offered: Spring

Measurement of fluid flow, heat transfer, power and other properties of mechanical equipment. Design of experiments, use of data acquisition systems, data reporting and presentation.

Prerequisite(s): EGR 305 and 441

Pre- or Co- Requisite(s): EGR 443

EGR 445 - Thermal Design of Heat Exchangers

Units: 3

When Offered: As offered

This course covers the topics of classification of heat exchangers, design methods, single-phase convection correlations and two phase-correlations, pressure drop calculations, and fouling of heat exchangers. Study of various types of heat exchangers are also discussed, such as double pipe heat exchangers, shell-and-tube heat exchanger, compact heat exchangers, plate heat exchangers, condensers, and evaporators.

Prerequisite(s): EGR 371 or 441

EGR 446 - Aerodynamics

Units: 3

When Offered: Fall

This course will introduce students the topic of gas dynamics and concepts of lift, drag, and pitching moment. The course will also cover the topics of potential flow, mechanics of laminar and turbulent flow, boundary-layer theory, and applications to wings and turbo-machinery. Numerical analysis will also be utilized in design analysis and problem solving.

EGR 447 - Mechanics of Composite Structures

Units: 3

When Offered: Spring

This course will introduce students to the fiber-reinforced composite materials and structures with emphasis on numerical analysis. Topics covered in this course will include composite micromechanics and failure criteria, design considerations for structures made of composite materials, and the overview of fabrication process and experimental characterization.

Prerequisite(s): EGR 242

EGR 448 - Propulsion

Units: 3

When Offered: Spring

This course will introduce students to the topic of propulsion, stationary power production with gas turbine engines, and reciprocating engines. Air-breathing propulsion is emphasized, with a brief treatment of rocket propulsion. It also includes the application of thermodynamic and fluid-mechanical principles to analysis of performance and design with numerical methods.

EGR 451 - Project and Construction Management

Units: 3

When Offered: Fall

An introduction to professional construction management practice including contracts, addendums, bonds, design-build, bids, specifications, scheduling, and other legal issues.

Prerequisite(s): Junior or Senior status

EGR 452 - Structural Dynamics and Earthquake Engineering

Units: 3

When Offered: Spring

The course will focus on the analysis of the dynamic response of structural systems. Students will be introduced to the basic concepts of seismology and structural dynamics including the evaluation of structural response to earthquake motions. We will also discuss the seismic design procedure in building codes used in the United States. This will enable students to have a better understanding of dynamic behavior of structural systems under earthquakes. Students will also use their knowledge of seismic design to prepare the Professional Engineer's (PE) examination, which is a mandatory section in California.

Prerequisite(s): EGR 351 and 343

EGR 453 - Environmental Engineering I

Units: 3

When Offered: Fall

Introductory study of water treatment and supply, wastewater collection and treatment common to rural and metropolitan areas. Laboratory principles and methods related to safety, sampling, data analysis, and measurement of selected physical, chemical, and biological characteristics of water and wastewater are introduced. Field trips are required.

Prerequisite(s): Senior status

EGR 454 - Environmental Engineering II

Units: 3

When Offered: As offered

Introductory study of solid and hazardous waste management and air pollution control. Study of solid and hazardous waste properties, sources, composition, magnitude, and regulations. Engineered solid waste management functional elements will be introduced. Landfilling methods including siting and modern landfill designs will be studied. Introduction to air pollution sources, quality, meteorology, atmospheric dispersion modeling, and control methods. Field trips are required.

Prerequisite(s): EGR 453

EGR 455 - Structural Design II

Units: 3

When Offered: Fall

Principles of the design of reinforced concrete structures. Design includes flexural members, compression members, one-way slabs and footings. ACI Strength Design Method.

Prerequisite(s): EGR 352

EGR 456 - Sustainable Civil Engineering

Units: 3

When Offered: As offered

This course will focus on applying the principles and practices necessary such that planning, design, and construction of a project can be sustainable technically, economically, and environmentally. Students will carefully examine scientific, economic, energy, political, ethical, and regulatory principles by evaluating two actual case studies-one in a developed country; one in a developing country.

Prerequisite(s): EGR 256

EGR 457 - Transportation Engineering

Units: 3

When Offered: Fall

Introduction to transportation engineering with an emphasis on highway design. Topics include transportation demand and planning, aerial photography, environmental impact statements, horizontal and vertical alignment, earthwork, volumes, and design of flexible and rigid pavements, and barriers.

Prerequisite(s): Junior or Senior status

EGR 458 - Water Resources Engineering

Units: 3

When Offered: Spring

A continuation and extension of Fluid Mechanics with civil engineering applications of hydraulic and hydrologic engineering. Applications of the concepts from Fluid Mechanics (hydrostatics, conservation laws), analyses of pipe flows, pipe networks, hydraulic machinery, hydroelectric power, pressure conduits, reservoirs and dams, and open channel flow are covered.

Prerequisite(s): EGR 342 and 356

EGR 459 - Advanced Transportation Engineering

Units: 3

When Offered: As offered

Advanced transportation engineering with an emphasis on the design, construction, maintenance and rehabilitation of highway pavements, airport pavements, railroads, traffic engineering, sustainable transportation systems. The course will cover topics like transportation material characterization, pavement structural design, pavement damage (distress) prediction, airport pavement design specifications, railroad sub-structure design, traffic forecasting, and building sustainable transportation infrastructure.

Prerequisite(s): EGR 251

EGR 461 - Rehabilitation Engineering

Units: 3

When Offered: As offered

The course provides a basic understanding of assistive technology research and application in: wheelchair technology, augmentative communication, computer access, home and work site modifications, environmental access, and prosthetics. Course also includes a focus on novel prosthetic materials.

Prerequisite(s): EGR 242

EGR 462 - Biomaterials I: Fundamentals of Concepts

Units: 3

When Offered: Spring

The course provides students with a fundamental understanding of the material selection process required in engineering for medical applications. Materials to be covered include both short-exposure, such as surgical tools and

catheters, and long-exposure, such as implants and shunts. Topics to be included are: the manufacturing process, performance characteristics, biocompatibility testing, and long-term biological response such as tissue formation and fibrosis. Relevant design considerations will be discussed, including common medical device standards relating to biomaterials testing and performance.

Prerequisite(s): EGR 382 and CHE 115

EGR 463 - Biomaterials II: Polymers for Biomedical Applications

Units: 3

When Offered: Fall

The course provides students with a fundamental understanding of the soft material science and technology required in engineering for medical applications such as cardiovascular, bones and joint, intraocular lenses, artificial kidney, surgical sutures, tissue ingrowth polymers, and controlled release of drugs. Topics to be included are: polymeric materials for advanced technology, thermoplastics, elastomers, thermosets, nanocomposites, and biopolymers. This course also includes the emerging areas of technological growth such as separation, nanomedicine, and biotechnology. Recent examples from the literature will be used to illustrate technologically relevant materials in current nano-biotechnology.

Prerequisite(s): CHE 115, EGR 242, and 382

EGR 464 - Neural Engineering

Units: 3

When Offered: Spring

This course provides students with basic principles, theories, and methods that underlie technology for recording and stimulation of central and peripheral nervous system structures. The course also presents recent advances in the development of technology, its practical applications in neuroscience and in medicine.

Prerequisite(s): BIO 153 and EGR 262

EGR 473 - Chemical Reaction Engineering

Units: 3

When Offered: Fall

The course covers reaction kinetics, differential and integral data analysis, batch, mixed, and plug flow reactors, systems with multiple reactions, reactor cascades, temperature and energy effects, and catalysis.

Prerequisite(s): CHE 415 and EGR 371

EGR 474 - Chemical Process Control

Units: 3

When Offered: Spring

Control theory and practice, instrumentation, system responses, transfer functions, feed-back control, and stability as applied to chemical engineering processes.

Prerequisite(s): EGR 272 and MAT 342

EGR 475 - Process Safety

Units: 2

When Offered: Spring

Fundamentals of chemical process safety including toxicology, industrial hygiene, toxic release and dispersion models, fires and explosions, and designs to prevent fires and explosions.

Prerequisite(s): EGR 342

EGR 477 - Chemical Engineering Laboratory

Units: 3

When Offered: Fall

The application of fundamentals to the experimental study of various chemical processes and unit operations. Experimental design, data collection and analysis, error analysis, instrumentation, and oral and written communication will be emphasized.

Prerequisite(s): EGR 302 and 374

EGR 481 - Systems Simulation

Units: 3

When Offered: Fall

Model design to simulate discrete event systems with basic input and output analysis using high order languages, applied to industrial systems analysis and design problems.

Prerequisite(s): EGR 305

EGR 482 - Supply Chain and Logistics Management

Units: 3

When Offered: Spring

Apply industrial and systems engineering and management approaches to improve the effectiveness and efficiency of material flow, information flow and cash flow for the entire supply chains.

Prerequisite(s): EGR 305 and 381

EGR 483 - Production Systems

Units: 3

When Offered: Fall

Production planning, forecasting, scheduling, and inventory; computer integrated decision systems in analysis and control of production systems, facilities layout and design.

Prerequisite(s): EGR 305 and 381

EGR 490 - Independent Study

Units: 1-3

When Offered: As offered

Registration Approval: Independent Study Agreement. Student does an independent study under direction of a faculty member. Study of problems in a topic for which related courses have been completed.

Repeatable: May be repeated for up to 3 units

EGR 491 - Research Project

Units: 1-3

When Offered: Fall

This special registration permits the completion of upper division degree requirements for transfer or other students, program requirement changes, or other special circumstances in which students have partial but not full credit toward a specific degree requirement. It also provides the opportunity for recognition of supervised academic experiences that are not included in traditional curriculum. Registration requires approval by the dean and sponsoring faculty member. The determination of degree credits is at the time of registration.

Prerequisite(s): EGR 101 and Permission of the Dean

ENG 103 - Writing for University Success

Units: 3

When Offered: Fall, Spring

An approach to grammar designed to correct common errors in the mechanics of writing. Includes punctuation and spelling; focuses on grammatical problems in the sentence and the paragraph. Does not count toward the English requirements for a bachelor's degree.

Grade Type: Pass/Fail.

ENG 113 - Composition

Units: 3

When Offered: Fall, Spring

This is a process-based writing class that focuses on academic writing, reading, and critical thinking as expressed in expository and analytical writing assignments through 5 to 7 substantial essays over the course of the semester. Develops fluency, coherence, style, effectiveness, and literary analysis. Students must pass this course with a C- or better or demonstrate a comparable level of writing competence to fulfill general competency requirements and to proceed to ENG 123.

Prerequisite(s): ENG 103 or evidence of comparable writing competence

ENG 123 - Intermediate Composition

Units: 3

GE Designation: M

When Offered: Fall, Spring

Continued practice in writing with emphasis on critical thinking, argument, analysis and interpretation of multicultural readings and other interdisciplinary expository materials. Includes the writing of a major research paper (or report) in addition to several shorter essays requiring various types of documentation. Fieldwork required. This course requires LiveText.

Prerequisite(s): ENG 113 with a grade of C- or better or evidence of a comparable level of writing competence. Note: Students must successfully complete this course with a grade of C- or better or demonstrate a comparable level of writing competence to fulfill general education requirements and to begin any literature course.

ENG 200 - Special Topics in English

Units: 3

When Offered: As offered

Focuses on a different phase of British, American or world literature each time offered-themes, genres, periods. See instructor for the topic currently to be studied.

ENG 201 - Introduction to Literature

Units: 3

GE Designation: M

When Offered: Fall, Spring

An introductory study of literary terminology and the major genres of American, British, European, and multicultural literature. Focuses on critical reading and intelligent appreciation of literature, and ways of writing about literature. Majors and minors should take this introduction course during their sophomore year as soon as they successfully complete ENG 123.

Prerequisite(s): ENG 123

ENG 213 - Survey of British Literature I

Units: 3

GE Designation: M

When Offered: Fall

Literature of Great Britain from the Middle Ages through the eighteenth century.

Prerequisite(s): ENG 123

ENG 223 - Survey of British Literature II

Units: 3

GE Designation: M

When Offered: Spring

Literature of Great Britain from the Romantic Period to the present.

Prerequisite(s): ENG 123

ENG 233 - Survey of American Literature I

Units: 3

GE Designation: M

When Offered: Fall

American literature from the Colonial Period to 1870.

Prerequisite(s): ENG 123

ENG 243 - Survey of American Literature II

Units: 3

GE Designation: M

When Offered: Spring

American literature from 1870 to present.

Prerequisite(s): ENG 123

ENG 253 - Survey of World Literature I

Units: 3

GE Designation: M

When Offered: Fall

World literature (excluding British and American) through the Renaissance.

Prerequisite(s): ENG 123

ENG 263 - Survey of World Literature II

Units: 3

GE Designation: M

When Offered: Spring

World literature (excluding British and American) from Neoclassicism to present.

Prerequisite(s): ENG 123

ENG 273 - Introduction to Creative Writing

Units: 3

When Offered: Fall, Spring

This college level writing course is designed to introduce the creative writer to the literary genres, to encourage creativity, individuality, spontaneity and boldness for students in search of the writer within. The lecture/discussion is designed to encourage students to develop a writing voice and work toward a final project in one of the major genres.

Prerequisite(s): ENG 123

ENG 302 - Professional Writing

Units: 3

When Offered: Fall (even years)

This course studies writing within the diverse environment of the workplace. It emphasizes the need to adapt written documents for a distinct task, audience, or platform. The course introduces students to professional and technical writing through examination and evaluation of interdisciplinary readings and representative models of professional documents-both print and digital. The course will incorporate strategies for developing and improving skills in writing, reading, researching, editing, presenting, and collaborating. Students will demonstrate an understanding of effective practices through a portfolio of professional documents.

Prerequisite(s): ENG 123

ENG 303 - Topics in World Literature

Units: 3

GE Designation: I, M

When Offered: As offered

An intensive study of a particular area of world literature in translation (e.g., Greek drama, or the literature of Existentialism). See the instructor for the area currently being studied. May be offered as a dual-language topic such as Latin American authors.

Prerequisite(s): ENG 123

ENG 313 - Multicultural Literature

Units: 3

GE Designation: I, M

When Offered: Spring

The literature of women and ethnic minorities. Recommended for Liberal Studies majors.

Prerequisite(s): ENG 123. At least one literature survey course recommended.

ENG 323 - Classical Literature

Units: 3

GE Designation: I, M

When Offered: Fall

This course explores the intellectual contributions of Classical Literature by examining the meaning of these works within historical, political, and cultural context of Classical society.

Prerequisite(s): ENG 123

ENG 333 - Seventeenth Century British Literature

Units: 3

When Offered: Fall (odd years)

The Metaphysical and cavalier Poets, and the prose of John Milton, in historical context.

Prerequisite(s): ENG 123

ENG 343 - Eighteenth and Nineteenth Century British Literature

Units: 3

When Offered: As offered

Neoclassical, Romantic, and Victorian literature in historical context.

Prerequisite(s): ENG 123

ENG 345 - Nineteenth Century American Literature

Units: 3

GE Designation: M

When Offered: Spring (odd years)

American literature and thought, 1800-1914, with emphasis on Poe, Hawthorne, Emerson, Dickinson, Douglass, Whitman, Melville, Stowe, and Twain.

Prerequisite(s): ENG 123

ENG 350 - Research and Writing in Literature and Language

Units: 3

GE Designation: M

When Offered: Fall

Introduction to research topics, methods, and materials in the field of language and literature for application in a series of scholarly papers and presentations of various types and lengths.

Prerequisite(s): ENG 123

ENG 353 - Introduction to Children's Literature

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

An introduction to the study of a wide variety of children's literature, including picture books, novels, poetry, and folklore. Focus on critical analysis of texts, employing a variety of literary theoretical perspectives, close readings, and contemporary research. Also examines the historical constructions of childhood, uses within the elementary classroom, and social response to children's literature. Meets the Liberal Studies requirement for Children's literature.

Prerequisite(s): ENG 123

ENG 354 - Children's Classics

Units: 3

GE Designation: I

When Offered: Fall (odd years)

A consideration of children's classics, including but not limited to texts from "Golden Age" of children's literature, approximately 1865-1914. Focus on critical analysis of texts, employing a variety of literary theoretical perspectives, close readings, and contemporary research. Also examines the historical constructions of childhood and social responses to children's literature. Students will examine the texts in light of literary, historical, social contexts.

Prerequisite(s): ENG 123

ENG 355 - Folklore and Fairy Tales

Units: 3

GE Designation: M

When Offered: Fall (even years)

A close examination of selected folklore and fairy tales from various cultural or literary traditions. Focus on interpretation and analysis of individual texts, utilizing a variety of historical and contemporary critical approaches to reading, understanding, and researching folklore and fairy tales as a distinctive genre.

Prerequisite(s): ENG 123

ENG 360 - Detective Fiction

Units: 3

GE Designation: I, M

When Offered: Online and Professional Studies

Detective Fiction is an historical approach to the detective fiction genre and its impact on Western society. The class explores issues of knowledge production, detection, policing, and identity through drama, novels, short stories, and film.

Prerequisite(s): ENG 123

ENG 363 - Introduction to Young Adult Literature

Units: 3

GE Designation: I

When Offered: Spring

Introduction to literature designed to meet the unique needs of adolescents and young adults. Varied uses of literature such as poetry and short stories will be explored with intensive study of longer works of fiction and non-fiction.

Prerequisite(s): ENG 123

ENG 365 - Christian Classics

Units: 3

When Offered: Spring (odd years)

Surveys some of the great literary texts in the Christian tradition. Readings from primary works will provide opportunity to become familiar with a variety of voices in the history of Christian spirituality. Students will examine the texts in light of literary, historical, social, and theological contexts. Authors and texts may vary each time the course is offered.

Prerequisite(s): ENG 123

ENG 382 - Introduction to Digital Studies

Units: 3

When Offered: Fall (odd years)

This course introduces students to the growing field of digital studies. Given the interdisciplinary nature of digital studies, students will study digital texts and projects and will work collaboratively to evaluate, develop, and refine their technical skills to create and edit various forms of digital publications.

Prerequisite(s): ENG 123

ENG 384 - Writing Fiction

Units: 3

When Offered: Fall

An intensive writing workshop designed to permit the student to study and practice fiction in various forms: articles,

short stories, novels, etc.

Prerequisite(s): ENG 123

ENG 385 - Writing Poetry

Units: 3

When Offered: Spring

This college course is an intensive workshop designed to encourage creativity in poetry. The class offers specific writing direction plus critical responses to students' works, both creative and analytical.

Prerequisite(s): ENG 123

ENG 386 - Writing Creative Nonfiction

Units: 3

When Offered: Fall (odd years)

An intensive writing workshop designed to permit the student to study and practice creative nonfiction in various forms: personal narrative, topical essay, lyric essay, memoir, etc.

Prerequisite(s): ENG 123

ENG 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest. Other courses listed in the catalog may not be taken by independent study.

ENG 400 - Special Topics in English

Units: 3

When Offered: As offered

Focuses on a different theme, genre, or period of British, American, or World literature each time offered. See instructor for topic currently to be studied.

Prerequisite(s): ENG 123

ENG 401 - Literary Theory and Criticism

Units: 3

GE Designation: I, M

When Offered: Spring

Advanced study in theories of imaginative literature and in the issues of interpreting literary texts.

Prerequisite(s): ENG 123, 201, and at least one literature survey course are required

ENG 403 - The British Novel until 1900

Units: 3

When Offered: Spring (odd years)

The rise and development of the novel as a genre in Britain.

Prerequisite(s): ENG 123

ENG 411 - Special Topics in Creative Writing

Units: 3

When Offered: Fall (even years)

Focuses on different styles or aspects of creative writing each time offered-for example, creative non-fiction, storytelling, etc. See instructor for the topic currently to be studied.

Repeatable: May be repeated once for credit with change in topic

Prerequisite(s): ENG 123

ENG 413 - Shakespeare Studies

Units: 3

GE Designation: I

When Offered: Spring

Selected poems and plays are studied in their historical contexts. A variety of critical approaches are incorporated.

Includes comedies, history plays, and tragedies.

Prerequisite(s): ENG 123

ENG 431 - Literary Journal Editing and Publishing

Units: 3

When Offered: Spring

In this course students assist in all aspects of the publication of the campus literary journal. Students read submissions of poetry, fiction, and creative nonfiction, they work with writers to edit their pieces, and they assist with layout and design.

Prerequisite(s): ENG 123

ENG 432 - Sociolinguistics

Units: 3

GE Designation: I, M

When Offered: Spring (odd years)

Sociolinguistics is the study of the relationship between language and society. This course explores key areas within the field of sociolinguistics. It also gives students practice in reflecting on how sociolinguistics of English and other languages affects how they speak. Students will investigate a topic in sociolinguistics and write a review of literature about it as well as develop a language policy report.

Prerequisite(s): ENG 123

ENG 433 - Major Author

Units: 3

When Offered: Spring (odd years)

Focuses on the development of a major author's style and themes. Explores an individual body of work in depth. The author featured varies as the course is offered in different semesters or terms. See instructor for the current author. Past authors have included such diverse writers as John Milton, Philip Sidney, and Chaucer. May also include authors who write in languages other than English and be offered as a dual language course.

Prerequisite(s): ENG 123

ENG 434 - Major Christian Authors

Units: 3

When Offered: Spring (even years)

Focuses on the development of style, themes, and worldview in a body of work by concentrating on no more than three

Christian authors per semester, such as C.S. Lewis, J.R.R. Tolkien, Flannery O'Connor, Li-Young Lee, or Shusaku Endo. Explores this body of work in depth from the British, American, or world traditions. See instructor for the current author(s).

Prerequisite(s): ENG 123

ENG 440 - Modern American Literature

Units: 3

When Offered: Fall (even years)

Major fiction and poetry from 1900 to World War II.

Prerequisite(s): ENG 123

ENG 442 - Teaching Second Language Writing

Units: 3

When Offered: Fall (even years)

This course prepares students to teach writing to second language learners, especially but not exclusively at the college level. Course materials and activities focus on current composition philosophy, research-based method and teaching techniques for collegiate level second language writing courses. At a minimum, this course is designed to introduce students to major theories, research, and practice in the teaching of English writing to second language learners. Thus, students should complete this course being able to do what ESL/EFL writing instructors do: design lesson plans for college composition; evaluate (read, respond to, grade, and assess) college level writing; and engage in research in at least one relevant issue in ESL/EFL composition pedagogy. This course should train students to be reflective practitioners and researchers of collegiate level English composition.

Prerequisite(s): ENG 123

ENG 443 - Contemporary American Literature

Units: 3

When Offered: Spring (even years)

Major fiction and poetry from World War II to the present.

Prerequisite(s): ENG 123

ENG 446 - Teaching Second Language Reading

Units: 3

When Offered: Spring (even years)

This course will be about reading in a second language, primarily, but not exclusively English. In particular, the class will emphasize teaching reading in English to learners whose native language is not English. Since research and theory inform sound pedagogical practice, we will also research and review research on a variety of relevant topics to teaching reading from both linguistic and educational perspectives. Finally, given the importance of literacy in so many contexts today, we will consider a multitude of variables which affect the teaching and learning of reading skills for both children and adults, in second and foreign language settings, and explore the implications of the research for all concerned.

Prerequisite(s): ENG 123

ENG 452 - Second Language Curriculum Development and Assessment

Units: 3

When Offered: Spring (odd years)

This course is designed for future ESL teachers who are interested in current thinking and research in second language

material development and assessment and in the application of such in classroom teaching. There are two major goals: one is developing a solid understanding of the core issues in these areas and the other, which requires students to design their own materials and assessment tools and to evaluate existing ones, is facilitating the application of such an understanding in classroom teaching.

Prerequisite(s): ENG 123

ENG 454 - Writing in Context

Units: 3

GE Designation: I, M

When Offered: Spring

This course will provide a practical, hands on approach to the study of English grammar and the application of the acquired knowledge of grammar to the classroom setting. It will be assumed that few, if any, students have had a thorough, formal study of English grammar. The approach will seek to present models for application in the literature based curriculum prescribed by the California State Framework in English. Students will complete numerous in class exercises as well as independent work outside of class for presentation in discussion at subsequent class meetings.

Prerequisite(s): ENG 123

ENG 460 - Modern and Contemporary British Literature

Units: 3

When Offered: Spring (even years)

Prose, fiction, poetry, and drama from 1890 to the present, with emphasis on the Modernist writers.

Prerequisite(s): ENG 123

ENG 463 - Language Structure and Acquisition

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

Linguistic theory and method. Includes the study of the five universal elements of language (phonology, morphology, semantics, syntax, and pragmatics) as well as the use of language and its variants in culture. Fieldwork required.

Prerequisite(s): ENG 123

ENG 472 - Theory and Methods of TESOL

Units: 3

When Offered: Fall (odd years)

This course will focus on the application of linguistic theory in education. Students will be introduced to various teaching philosophies and methodologies, focusing on their application to language learning. Students will be familiarized with various movements in education and psychology such as behaviorism, cognitivism, social constructivism, and humanism. Students will be instructed as to how diverse language teaching methods have been informed by various educational movements and how these philosophies and methods take form in the second language classroom. This course will build on the concepts taught in ENG 463 but will focus more on second language learners both in ESL and EFL settings.

Prerequisite(s): ENG 123

ENG 484 - Advanced Fiction Writing

Units: 3

When Offered: Spring

This advanced writing workshop builds on the foundational elements of fiction writing learned in previous coursework. Students read numerous published short stories and novellas, as well as readings discussing craft, technique, and theory. Students choose to write a novella or two substantial short stories, which are discussed by the professor and students on scheduled workshop days. The works produced in this class strive to be of publishable quality.

Prerequisite(s): ENG 384

ENG 485 - Advanced Poetry Writing

Units: 3

When Offered: Fall (odd years)

This advanced writing workshop builds on the foundational elements of poetry writing learned in previous coursework. Students read numerous published poems and poetry collections, as well as readings discussing craft, technique, and theory. Students write their own poems, which are discussed by the professor and students on scheduled workshop days. The works produced in this class strive to be of publishable quality.

Prerequisite(s): ENG 385

ENG 491 - Internship

Units: 3

When Offered: Fall, Spring, Summer

The purpose of this course is to provide students the opportunity to practice the written, oral, research, analytical, and/or technological skills developed in their field(s) of study under the direct supervision of a practitioner in a professional field. In consultation with the internship coordinator, the student works in the field through supervised practical experiences with a professional organization. This opportunity is available for students who are English majors/minors, writing and digital studies minors, creative writing minors, and creative writing BFA students.

Prerequisite(s): Permission of the Department Chair

ENG 498 - Capstone in Creative Writing

Units: 3

When Offered: Spring

In this capstone course students rewrite and edit their best creative work to form a collection of poems or short stories or a novella. They must also write a critical introduction to their work, discussing other literary works while situating their own writing in a particular discourse.

Prerequisite(s): Permission of the Department Chair

ENG 499 - Capstone Project

Units: 3

GE Designation: I

When Offered: Fall, Spring

This three unit senior capstone project serves to assess the subject matter competence of the English major and the Single Subject Program candidate. Students will enroll for this course with the recommendation of their English program advisor and the approval of the department chair.

Prerequisite(s): ENG 350

ENT 357 - Small Business Management

Units: 3

When Offered: Fall

This is a practice-oriented course covering major facets of small business with special focus on starting, financing,

marketing, operating, and leading the people in a small business. Special emphasis is given to entrepreneurship and small business development.

ENT 362 - Social Entrepreneurship

Units: 3

When Offered: Spring (even years)

This course defines and explores the growing practice of social entrepreneurship and its impact here in the United States and around the world. The focus is on applying business skills and knowledge in a way that creates social change.

ENT 442 - Opportunity and the Lean Startup

Units: 3

When Offered: Fall (even years)

Students learn to recognize the difference between ideas and opportunities for the purpose of evaluating the likely commercial success of business concepts and ideas, using Lean Startup theory and experiments. The course is also suitable for non-business majors to learn how to evaluate an idea in their field or discipline as a potential entrepreneurial opportunity.

ENT 462 - Entrepreneurial Behavior and Leadership

Units: 3

When Offered: Fall (odd years)

An examination of theory and practice regarding behavior and leadership in organizations that leads to excellent job performance with particular focus on entrepreneurs, entrepreneurial leaders, and job performance in entrepreneurial organizations.

ENV 110 - Introduction to Environmental Science with Lab

Units: 4

GE Designation: I

When Offered: Fall

This interdisciplinary class approach to our environment emphasizes the study of the physical, chemical, biological problems of the Earth. It includes human interactions with the environment, the impact of human development, and technology on the quality of natural resources and living organisms.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

ENV 151 - Introduction to the Geosciences

Units: 3

When Offered: Fall, Spring

A general study of the geosciences including the areas of astronomy, meteorology and climate, geology, and oceanography.

ENV 151L - Introduction to the Geosciences Lab

Units: 1

When Offered: Fall, Spring

A laboratory experience designed to illustrate and reinforce geosciences principles and to introduce basic geosciences

laboratory techniques.

Fee: Additional lab fee

Pre- or Co- Requisite(s): ENV 151

ENV 360 - Environmental Chemistry with Lab

Units: 4

When Offered: Spring (odd years)

Environmental Chemistry is intended to provide the student with an understanding of the key environmental problems our world faces, by exploring the chemistry of our air, water, and soil and integrating this in order to describe human and ecological exposures to chemicals in the environment.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 125, and either BIO 146 or 148

ENV 370 - Soil and Water

Units: 3

When Offered: Spring (even years)

This course assesses the importance of soil and water as natural resources for ecosystems and societies. Soil and water resources, soil erosion, government conservation programs, water conservation, irrigation, salinity and drainage will be discussed. Understanding the principles of the soil water cycle to improve water use efficiency of dry land and irrigate systems. Understand how to utilize soil resource assessment tools to make land management decisions.

Prerequisite(s): ENV 110

ENV 380 - Environmental Science Seminar

Units: 1

GE Designation: I

When Offered: Spring

An introduction to performing environmental science research including lectures and discussions on literature research, scientific writing, reading scientific journal articles, public speaking, Job interview and resume preparation, and professional conduct. Students make both written and oral presentations on topics in Environmental Sciences.

ENV 390 - Stewardship of the Environment

Units: 3

When Offered: Fall (even years)

Show the effect of human on a local, regional, and global scale of biodiversity and environment. Topics include sustainability, environmental changes, alternative energy, global warming, deforestations, and environmental quality. Case studies will be used to examine environmental issues associated with a human population.

Lecture: 3 units

Prerequisite(s): ENV 110

ENV 400 - Special Topics in Environmental Science

Units: 1-4

When Offered: As offered

Concentration upon a specific topic in the field of Environmental Science. Topic varies for different semesters.

Repeatable: May be repeated with change in topic for a maximum of eight (8) units of credit

ENV 400L - Special Topics in Environmental Science Lab

Units: 1

When Offered: As offered

This laboratory course will be offered in conjunction with the special topics course to provide instruction with hands on experience. Topic varies for different semesters.

Repeatable: May be repeated once for credit with change in topic

ENV 450 - Environmental Organic Chemistry with Lab

Units: 4

When Offered: Fall (odd years)

This course focuses on the fundamental processes that govern the fate and transport of anthropogenic organic chemicals in the natural environment. This course explores chemical and physical properties of organic contaminants, relationship for organic chemicals solubility and partitioning between the phases of interest; water, soil, air, and biota, and transformation processes.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 125 and ENV 360

ENV 451 - Advanced Geoscience with Lab

Units: 4

When Offered: Fall, Spring

An advanced study of the geosciences including the areas of astronomy, meteorology and climate, geology, and oceanography. The laboratory experience is designed to illustrate and reinforce geosciences principles and to introduce basic geosciences laboratory techniques.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 115

ENV 470 - Advanced Environmental Science with Lab

Units: 4

When Offered: Spring (even years)

Explores the fundamental principles of and issues of environmental studies including the history of environmental concerns, biomes, species interactions with each other and their environment, air, water, soil and biological resources. Topics include soil science and soil as a natural resource, physical and chemical aspects of the atmosphere and water resources.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

Prerequisite(s): CHE 115 and ENV 110

ENV 490 - Research in Environmental Science

Units: 1-4

When Offered: Fall, Spring, Summer

This class focuses on laboratory and field research projects and topics of current or historical interests in environmental science. Individual research on a problem relating to environmental science will be conducted under the guidance of an instructor.

Repeatable: May be repeated with change in topic for a maximum of eight (8) units of credit

Prerequisite(s): ENV 470 and permission of the Department Chair

ESL 007 - English Foundations

Units: 1

This course is intended for the low beginning ESL student. Students develop reading, writing, listening and speaking skills necessary for participation in classroom discussions and to be able to successfully matriculate into the CBU ESL Intensive English Program (IEP).

Grade Type: Pass/Fail

Class hours: 3 Lecture/week.

ESL 008 - Pronunciation I

Units: 1

Students will learn the rhythm and intonation of English which will help them to make significant strides in their ability to understand and communicate with others.

Grade Type: Pass/Fail

Class hours: 2 Lectures/week **Lab:** 1 Lab/week

ESL 009 - Pronunciation II

Units: 1

Students continue to develop rhythm and intonation of American speech patterns. They will learn to recognize and pronounce the individual sounds of English. Students will examine the English spelling system to identify the discrepancy between spelling and sounds.

Grade Type: Pass/Fail

Class hours: 2 Lectures/week **Lab:** 1 Lab/week

ESL 010 - Reading and Academic Vocabulary I

Units: 3

When Offered: As offered

Students will learn strategies that will help them become more proficient readers of English. These skills include previewing, finding the main idea, outlining, scanning, and detecting sequence. Reading selections will be both academic and of general interest. Students will strengthen comprehension skills through various exercises. Attention will be given to building vocabulary and dictionary usage.

Grade Type: Pass/Fail

Class hours: 4 Lectures/week

ESL 011 - Writing and Grammar I

Units: 3

When Offered: As offered

This beginning ESL course emphasizes elementary competency in standard written English with a focus on basic grammar and writing skills. Emphasis will be given to organization and the writing process as well as paragraph development.

Grade Type: Pass/Fail

Class hours: 4 Lectures/week

ESL 012 - Listening and Speaking I

Units: 3**When Offered:** As offered

Students will develop spoken fluency and listening skills through short social and academic listening, guided class discussions, and presentations. Students will learn both to distinguish and to produce the sounds in English pronunciation as well as proper intonation and word groupings.

Grade Type: Pass/Fail**Class hours:** 6 Lectures/week**ESL 014 - Life Skills****Units: 2**

This is a four-skills course that integrates language instructions into meaningful, real-life contexts. Students at the beginning level will learn mastery of the English language related to civics, the workplace, the community, and academics. Lessons will cover vocabulary, life stories, grammar, everyday conversation, and real-life reading, carefully developing learners' understanding through the use of all four skills.

Grade Type: Pass/Fail**Class hours:** 3 Lectures/week**ESL 030 - Reading and Academic Vocabulary II****Units: 3****When Offered:** As offered

Students continue to develop academic reading abilities and English vocabulary. In this course, students will read a variety of texts on contemporary academic and literary topics. Text are both academic and of general interest. Vocabulary exercises will relate to reading themes and will reinforce understanding of the passage.

Grade Type: Pass/Fail**Class hours:** 4 Lectures/week**Prerequisite(s):** ESL 010 or appropriate placement score**ESL 031 - Writing with Grammar II****Units: 3****When Offered:** As offered

This course increases competency in standard written English with a focus on low intermediate grammar and writing skills. Writing exercises are primarily academic in nature and include practice in the targeted grammar structure.

Grade Type: Pass/Fail**Class hours:** 4 Lectures/week**Prerequisite(s):** ESL 011 or appropriate placement score**ESL 032 - Listening and Speaking II****Units: 3****When Offered:** As offered

This course will include instruction in and practice of intermediate level listening and speaking activities. Listening tasks will include listening to academic lectures, note-taking skills, and organizing information from the notes. Students also practice speech appropriate to both social and academic settings, with emphasis placed on message delivery and content as well as language usage and pronunciation.

Grade Type: Pass/Fail**Class hours:** 6 Lectures/week**Prerequisite(s):** ESL 012 or appropriate placement score

ESL 034 - American Historical and Cultural Events

Units: 2

When Offered: As offered

This course will provide students with a historical foundation of American culture and experience essential to academic success in American college classes. Students will become familiar with major periods in American history along with related authors, literature, and important personalities of the period leading to a knowledge base common among American college students. Students will understand the historical background behind American holidays and as well as the culture of the American classroom environment.

Grade Type: Pass/Fail

Class hours: 3 Lectures/week

Prerequisite(s): ESL 014 or appropriate placement score

ESL 050 - Reading and Academic Vocabulary III

Units: 3

When Offered: As offered

A concentrated reading of textbook-based materials used in American college degree courses; for example, social sciences, hard sciences, education, business, and humanities. Development of comprehension skills to enhance their reading effectiveness and efficiency; may include identification of main ideas and supports, application of personal schema, and analysis of fact-based reading, speaking, listening, and writing is stressed; its use of textual clues, dictionary, and word analysis for learning word meaning.

Grade Type: Pass/Fail

Class hours: 4 Lectures/week

Prerequisite(s): ESL 030 or appropriate placement score and departmental approval

ESL 051 - Writing and Grammar III

Units: 3

When Offered: As offered

Introduction to the techniques and practice of common modes of essay writing: explanatory, persuasive, and argumentative essays. Particular emphasis will be placed on developing academic writing skills that prepare students for college level writing. Logical analysis of components of the essay, integration of evidence from sources, and intensive application of major grammatical systems of English will be emphasized. Lectures will focus on developing high levels of competence in detecting and remedying common ESL writing problems to improve essay clarity and effectiveness.

Grade Type: Pass/Fail

Class hours: 4 Lectures/week

Prerequisite(s): ESL 031 or appropriate placement score and departmental approval

ESL 052 - Listening and Speaking III

Units: 3

When Offered: As offered

This course enhances the students' ability to understand basic academic discourse in lectures and to participate meaningfully in group discussions and give oral presentations with correct grammar usage and understandable pronunciation.

Grade Type: Pass/Fail

Class hours: 4 ½ Lectures/week

Prerequisite(s): ESL 032 or appropriate placement score and departmental approval

ESL 053 - Professional English I

Units: 1**When Offered:** As offered

This course prepares students to enter Undergraduate and Graduate level courses by practicing all four communicative skills-listening, speaking, reading and writing - using the vocabulary and formats of business communication.

Grade Type: Pass/Fail**Class hours:** 3 Lectures/week **Lab:** 1 Lab/week**Prerequisite(s):** ESL 034 or appropriate placement score and departmental approval**ESL 054 - Preparation for University Success****Units: 2****When Offered:** As offered

This course is designed to provide High Intermediate ESL students with the perspectives and strategies common to the American university setting. Refining listening skills, extracting content from lectures, practice with successful participation in classroom discussions, formal writing format styles, and academic usage of internet tools such as e-mail and discussion forums will be reviewed in the context of American university requirements, while exploring related cultural similarities and differences.

Grade Type: Pass/Fail**Class hours:** 4 Lectures/week**Prerequisite(s):** ESL 034 or appropriate placement score and departmental approval**ESL 070 - Reading and Academic Vocabulary IV****Units: 3****When Offered:** As offered

Students will gain academic reading proficiency in preparation for the undergraduate level through weekly reading assignments at the advanced level. Students will expand their academic English vocabulary, while learning to integrate meaning and personal analysis of the text. Students will be exposed to various fields of study through weekly readings and learn to engage in intellectual discussion. Students will learn to complete longer reading assignments, complete weekly journal entries, and integrate learned words in classroom discussion.

Grade Type: Pass/Fail**Class hours:** 4 Lectures/week**Prerequisite(s):** ESL 050 or appropriate placement score and departmental approval**ESL 071 - Writing and Grammar IV****Units: 3****When Offered:** As offered

This course is designed to assist students in developing their writing abilities in order to function successfully at the university academic level. The course focuses on learning different academic essay styles, improving writing skills and editing skills, learning to do basic research and citation. The course is designed to push students to excel at a higher level of writing in English, incorporating essential grammar concepts. The course encourages daily interaction, various activities and tactile learning opportunities. The students will complete at least five English essays, increasing in page number and research components.

Grade Type: Pass/Fail**Class hours:** 4 Lectures/week**Prerequisite(s):** ESL 051 or appropriate placement score and departmental approval**ESL 072 - Listening and Speaking IV****Units: 3****When Offered:** As offered

Students will practice oral/aural skills within the context of academic content at an advanced level, by listening and responding to recorded lectures, guest speakers, field trips, and video recordings. Students will learn how to respond in both formal and informal academic settings. Students will be able to give extensive oral presentations and participate on panel discussions. Pronunciation skills and techniques will be taught as needed.

Grade Type: Pass/Fail

Class hours: 4 ½ Lectures/week

Prerequisite(s): ESL 052 or appropriate placement score and departmental approval

ESL 073 - Introduction to Academic Research

Units: 1

When Offered: As offered

This is an advanced level ESL course designed to enhance students' research composition skills in four areas of learning: independent research of thematically organized college level articles using library and web-based sources; critical reading of sources concentrating on thorough comprehension and ability to respond to material in written forms, including responses, paraphrases, summaries, and critiques; academic writing of research paper, incorporating evidence from sources, using a five-step process: explore, focus, organize, create, and refine. Oral presentation of research will be given to prepare students for undergraduate courses in English and in other disciplines.

Grade Type: Pass/Fail

Class hours: 3 Lectures/week

Prerequisite(s): ESL 050/051 or appropriate placement score and departmental approval

ESL 074 - Academic Presentation Skills

Units: 2

When Offered: As offered

This course is intended for advanced ESL students to help them speak more confidently and effectively. Concentration will be on presentational skills such as individual and group oral topic presentations, panel discussions, debates and 4-7 minute individual topic presentations before the class.

Grade Type: Pass/Fail

Class hours: 4 ½ Lectures/week

Prerequisite(s): ESL 052 or appropriate placement score and departmental approval

ESL 090 - Advanced Integration of Academic English Skills

Units: 1

This course is designed to provide focused instruction in academic English for prospective graduate students. Specific skills will be taught in the areas of listening, vocabulary, grammatical structures and reading comprehension according to the needs of the student. These skills will aid the student in developing a stronger ability to comprehend lectures, edit their own work, verbalize their opinions and expand their vocabulary in preparation for entering a graduate level program.

Grade Type: Pass/Fail

ESL 093 - Critical Analysis for Academic English

Units: 1

When Offered: As offered

Advanced research course for graduate ESL students in methods of problem analysis: it involves independent research, extensive reading and writing, and discussion of journal articles and textbook based materials. Examination of problem analysis methods may include theories of gap analysis, work performance goals, causes of performance problems, and methods intervention.

Grade Type: Pass/Fail

Class hours: 4 Lectures/week

Prerequisite(s): ESL 073 or appropriate placement score; departmental approval and graduate status

ESL 094 - Advanced Academic Research

Units: 3

When Offered: As offered

The purpose of this course is to give ESL graduate students an introduction to research writing, resources and strategies. Students will gain familiarity and experience with the basic steps of researching, writing, and submitting research papers. Students will be prepared to research and write scholarly papers in their chosen graduate fields of study, becoming familiar with the standards for publishing articles and papers within that field.

Grade Type: Pass/Fail

Prerequisite(s): ESL 071

ESL 200 - Special Topics

Units: 1-4

Focuses on specific areas of academic disciplines to further prepare for continuation in traditional coursework.

Repeatable: May be repeated with change in topic for a maximum of eighteen (18) units of credit

Grade Type: Pass/Fail

ETC 305 - Educational Computing - Level I

Units: 3

GE Designation: I

When Offered: Fall, Spring, Summer

A study of a variety of applications of computers within the curriculum to improve learning and educational opportunities. Includes software evaluation, selection, and use of various computer-based applications. Approved by the California Commission on Teacher Credentialing to meet Level I requirements for a Preliminary Credential.

ETC 407 - Technology and Learning

Units: 3

When Offered: Fall, Spring, Summer

Candidates will examine and apply various instructional theories and technologies to enhance student engagement and achievement. Candidates will demonstrate proficiency in various computer, web, and mobile device applications for the K-12 classroom and evaluate their relative effectiveness in relation to student achievement.

FIN 101 - Personal Financial Management

Units: 3

When Offered: Fall

An overview of personal financial management offers students power over financial resources, freedom to give generously, and insight for better citizenship. The course emphasizes concepts such as goal setting, budgeting, debt management, investing, major purchases, insurance, and retirement and estate planning.

FIN 310 - Intermediate Business Finance

Units: 3

When Offered: Spring

An overview of long-term financing topics intended to prepare the students for upper division courses covering

additional finance areas. Course includes advanced components of corporate finance with an emphasis on the practices that shape the financial decision-making process. These include risk and return models, valuation of securities, capital budgeting, and capital structure decisions.

Prerequisite(s): BUS 303

FIN 325 - Financial Markets and Institutions

Units: 3

When Offered: Spring

Students examine the role of regulators, depository institutions, insurance companies, and financial markets in the process of intermediation. Key concepts include interest rate determination, methods of security valuation, managing commercial banking, and risk management in financial institutions.

Prerequisite(s): BUS 218 and 303

FIN 405 - Financial Analysis and Forecasting

Units: 3

When Offered: Spring

This course covers a more in-depth analysis of financial statements and the integration of financial forecasting based on interpreting financial data and performance. Students will evaluate investment alternatives and apply risk analysis to the valuation process from a decision-makers' perspective.

Prerequisite(s): BUS 303 and 315

FIN 415 - Investments

Units: 3

When Offered: Fall

This course provides an overview of investment principles and practices with an emphasis on financial markets and pricing models. Topics covered include the securities markets, risk and return relationships, portfolio theory and the capital asset pricing model, debt securities, derivatives, and security analysis covering equity valuation. In addition, the student will participate in a real-time stock market stimulation throughout the course.

Prerequisite(s): FIN 325

FIN 425 - Retirement and Estate Planning

Units: 3

When Offered: Spring

This course focuses on key components, legal requirements, and restrictions, related to effective retirement and estate planning. Specific topics are types of retirement plans, implementing gifts, trusts and life insurance as means of transferring assets after death, and regulatory and tax considerations within retirement and estate planning.

Prerequisite(s): FIN 415

FIN 430 - Risk Management

Units: 3

When Offered: Spring

This course focuses on identifying risk factors and developing appropriate strategies to mitigate those factors. Specific topics of discussion include credit, market, and operational risk from a corporate perspective and insurance needs analysis for businesses and individuals. Health, disability, long-term care, and life insurances plus annuities will be addressed at the individual level. Overview of the role derivatives play in mitigating risk included.

Prerequisite(s): FIN 415

FIN 491 - Internship in Finance

Units: 1-3

When Offered: Fall, Spring, Summer

A practiced application of finance principles in a business or campus setting under professional supervision.

Repeatable: May be repeated for a maximum of six (6) units of credit

Prerequisite(s): Permission of the Dean

FLM 105 - Introduction to Film

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course offers an introduction to methods and approaches for the study of film. Students will learn film terminology and its effective application in film analysis. Students also will develop, maintain, and improve strategies for close-reading individual shots and sequences, interpreting cinematic narrative and technique, and for negotiating various critical and theoretical paradigms of film study.

FLM 150 - Film History

Units: 3

GE Designation: I, M

When Offered: Spring

This course studies the development of film history from its beginnings in the late nineteenth century up to the present day. As the growth of cinema has been a global phenomenon, we will look at major films, filmmakers, and film movements in the United States and around the world.

Pre- or Co- Requisite(s): ENG 123 and FLM 105

FLM 200 - Special Topics in Film

Units: 3

When Offered: As offered

This course focuses on a different subject in the field of cinema studies each time it is offered. Designed to reflect both our rapidly changing culture and the technologically progressive nature of the film industry, this course is devoted to a critical examination of film with regard to, for example, time period, genre, theme, etc.

Repeatable: May be taken multiple times with change in topic

Prerequisite(s): FLM 250

FLM 210 - Film Genre

Units: 3

When Offered: As offered

This introduction to genre studies will survey the development of at least one major film genre, such as the Western, the romantic comedy, the war film, or film noir. Alternatively, several genres may be covered in one semester. Assigned films will be accompanied by readings in relevant critical and literary texts. Contact professor for specific content information.

Prerequisite(s): FLM 105 or 150

FLM 250 - Film Theory and Criticism

Units: 3

GE Designation: I, M

When Offered: Spring

This course introduces students to the major areas and concepts of film theory and criticism, from their inception in the early twentieth century to the present. It examines how various film theories, as part of a long-standing tradition of critical reflections on life and the arts in general, evolve and interact with one another and with neighboring discourses, nationally and internationally. Knowledge and skills gained in this class will prepare students for further upper-division film courses, in which film theory and criticism will function as important analytical tools.

Prerequisite(s): FLM 105 and 150

FLM 300 - National Cinema

Units: 3

GE Designation: I, M

When Offered: Spring (even years)

National Cinema is an advanced course focusing on the most significant films and filmmakers of one country. It looks at cinematic history and practice in the nation being covered and may include a consideration of popular, independent, and/or art film. The course may cover the entire history of cinema in one nation or focus on a particular type of film or cinematic movement in one country. Special attention will be paid to the socio-historical contexts of the films assigned during the course.

Repeatable: May be taken multiple times for credit with change in topic.

Prerequisite(s): FLM 150

FLM 301 - Basic Screenwriting

Units: 3

When Offered: Fall

This course is an introduction to the basic principles of writing for the screen. The elements of theme, plot, character, and dialogue in dramatic writing for cinema will be studied. Students will learn how to construct screenplays by closely examining produced films, reading film scripts, and writing their own short screenplays. The course will provide a foundation in the basics of the three-act structure, dramatic action, character arc, the revision process, and an introduction to the business of screenwriting. By the end of the semester, students will have produced and polished a twenty- to thirty-page screenplay for a short film suitable for production.

Prerequisite(s): ENG 113 and FLM 105

FLM 302 - Writing Short Screenplays

Units: 3

When Offered: Spring

This course is an intermediate level treatment of the principles of writing for the screen. It expands on the concepts covered in FLM 301 - Basic Screenwriting, deepening the students' knowledge of the elements of theme, plot, character, and dialogue in dramatic writing for cinema while building the students' skills in the development of these elements in their own writing. By the end of the semester, students will have produced and polished screenplay for a one-hour film.

Prerequisite(s): FLM 301

FLM 303 - Asian Cinema

Units: 3

GE Designation: I, M

When Offered: As offered

This survey course offers a unique opportunity to screen and study technically innovative and culturally significant

feature films from China, India, Japan, South Korea, Vietnam, Hong Kong, and Taiwan. Special attention will be given to the diverse genres in Asian cinema and the dynamic interactions between filmmaking and socio-historical transformation. An East-West comparative approach will be encouraged.

Prerequisite(s): FLM 105 and 150

FLM 305 - Christianity and Film

Units: 3

GE Designation: I, M

When Offered: Spring (odd years)

This course centers on the close reading of both religious and secular filmic texts in order to better understand the ideology that is wrapped within these artifacts of culture. Students will describe and analyze how these cinematic texts communicate both Christian and anti-Christian philosophical and theological arguments, which have the power to shape the horizons of the mind and impact culture.

Prerequisite(s): ENG 123

FLM 340 - Major Directors

Units: 3

When Offered: Fall (odd years)

With attention to theories about authorship and the auteur, this course surveys the work of one or two major directors. This course may treat a canonical auteur, such as Orson Welles, Alfred Hitchcock, or Akira Kurosawa, or may focus upon figures historically marginalized within cinema studies, such as Oscar Micheaux, Ida Lupino, or Sam Fuller.

Prerequisite(s): FLM 150

FLM 350 - Film and Literature

Units: 3

GE Designation: I, M

When Offered: Fall

This course addresses the adaptation of literature to film. It examines diverse concepts and theories that have been applied to cinematic adaptations of literary texts as part of a larger constellation of issues, including the development of cinematic language, approaches to genre studies, and an appreciation for cinematic visions in literary texts. In addition to film screenings, course readings will include prose fiction and film criticism.

Prerequisite(s): ENG 123

FLM 399 - Independent Study

Units: 3

When Offered: As offered

This course is designed to afford the superior student an opportunity to work independently on subject matter of the student's choosing. Supervision and evaluation will be provided by a member of the Film Studies faculty.

Prerequisite(s): Permission of the Dean

FLM 400 - Special Topics in Film

Units: 3

When Offered: As offered

This course focuses on a different subject in the field of cinema studies each time it is offered. Designed to reflect both our rapidly changing culture and the technologically progressive nature of the film industry, this course is devoted to a critical examination of film with regard to, for example, time period, genre, theme, etc.

Repeatable: May be taken multiple times with change in topic

Prerequisite(s): FLM 250

FLM 403 - Writing Adapted Screenplays

Units: 3

When Offered: Fall

This is a course in the art of writing a feature-length film script based on a piece of literature or other literary material. Contemporary feature film structure paradigms will be reviewed as the student (individually or in pairs) crafts their own feature-length screenplay from a self-selected literary source. The art of the studio "pitch" used to sell a screenplay also will be reviewed and practiced.

Prerequisite(s): FLM 301

FLM 420 - Independent Film and Counter-Cinema

Units: 3

When Offered: Fall (even years)

Independent Film and Counter-cinema is an advanced course that studies diverse film texts considered "independent" while examining the varied and constantly evolving definition of independent film. In addition, the course investigates counter-cinema -- film that actively opposes mainstream cinema, offering alternative discourses -- and explores the complex relationship between independent film and counter-cinema.

Prerequisite(s): FLM 250

FLM 430 - Film and Sound

Units: 3

GE Designation: I, M

When Offered: Spring (even years)

Thoughtfully addressing the importance of film's auditory component, which is often ignored or taken for granted by visually-dominated studies of the moving pictures, this course critically engages the importance of sound to cinema, from a theoretical as well as a historical perspective.

Prerequisite(s): FLM 250

FLM 450 - World Cinema

Units: 3

GE Designation: M

When Offered: Fall

World Cinema is an advanced course focusing on films made outside of North America and their socio-historical contexts. It looks at cinematic history and practice in diverse nations and introduces students to a range of non-Hollywood film styles and forms, including popular and art cinemas, from across the globe.

Repeatable: May be taken multiple times with change in topic

Prerequisite(s): FLM 250

FLM 470 - Adaptation and Intertextuality

Units: 3

GE Designation: I, M

When Offered: Spring (odd years)

This advanced course focuses on diverse texts and theories regarding adaptation and intertextuality as they impact film and other media. The course explores the ways in which texts are adapted from one medium into other media and the

ways in which texts intersect and communicate with one another. The complex manner in which adaptation and intertextuality function in our media-saturated, global culture is investigated. Texts that might be examined in this course include films, video games, television shows, novels, comics/graphic novels, operas, and musicals. Course content will vary.

Prerequisite(s): FLM 250

FLM 491 - Film Practicum

Units: 1-15

When Offered: As offered

Students participate in an internship experience in some aspect of the Hollywood film or television industry. These are non-paying positions that may be part of an actual Hollywood film or television production, or similar entertainment industry experience with development companies, agencies, producers, etc. Unit value will vary in relation to time commitment and the individual's learning contract. Students will be supervised by a member of the Film Studies faculty.

Prerequisite(s): FLM 250 and Junior status

FLM 499 - Senior Capstone Project

Units: 3

When Offered: Fall, Spring

This three-unit senior capstone project serves to assess the subject matter competence of the Film Studies major. During the semester, students will compose a philosophy statement, compile a portfolio of previous work, and complete a capstone paper or film project. The class meets with its instructor one hour per week while completing the tasks of the course.

Prerequisite(s): Permission of the Dean

FLP 170 - Basic Production: Visual Storytelling

Units: 3

When Offered: Spring

An introduction to the production of visual storytelling content. Each student will write, direct, and edit a series of exploratory production exercises. The primary emphasis is on telling a compelling story by employing basic cinematography, lighting, editing, sound, and on-camera talent to involve an audience emotionally with the characters on screen. This course is restricted to Film majors and minors only.

Pre- or Co- Requisite(s): FLM 105

FLP 306 - Intermediate Production: Creative Producing

Units: 3

When Offered: Fall

This class will approach film production from prep to post from the perspective of the independent film creative producer, with each student producing and directing two short films in addition to introductory workshops on all the different departments, including technical areas such as grip, electric, and camera. Students will learn how to break down and budget a script, schedule a shoot, create and fill out paperwork, such as deal memos, call sheets, contracts, location scouting, and holding auditions.

Prerequisite(s): FLP 170

Pre- or Co- Requisite(s): FLM 301

FLP 360 - Cinematography

Units: 3**When Offered:** Spring

An introduction to the fundamental tools and principles used by cinematographers to create digital or film images generated from the context of the story. Curriculum covers visualization, digital manipulation, sensitometry, filters and lenses, lighting, color, processing procedures, camera systems, special effects, and image control.

Prerequisite(s): FLP 306**FLP 406 - Film Directing****Units: 3****When Offered:** Fall

This course explores a range of ideas, methods, and theories of narrative film directing. While helping students understand the director's complex functions in the creative process of directing, the course mainly focuses on the study of and practice in two areas: directing the camera and directing actors. Significant time is devoted to the understanding of acting and working with actors (casting, rehearsal, character development, and performing for the camera). Students will work in groups on a series of focused short projects to build the creative experience step by step.

Prerequisite(s): FLP 360**FLT 116 - Private Pilot Ground****Units: 3****When Offered:** Fall, Summer

An in-depth study of airframes and aircraft systems, aircraft instruments, safety, aerodynamics, stability, physiology, weather, airports, airspace, emergency operations, ground reference maneuvers, charts and publications, and the principles of pilotage, dead-reckoning, as well as radio and electronic methods of navigation as applied to cross-country flight planning to prepare the student for the FAA private pilot knowledge test.

FLT 117 - Private Airplane Pilot Lab I**Units: 1****When Offered:** Fall, Spring, Summer

Flight instruction leading to the aircraft solo. Current FAA Third Class Medical Certificate and Student Pilot Certificate required prior to registering. Thirty-five flight hours.

Grade Type: Pass/Fail**Fee:** Additional lab fee**Prerequisite(s):** FLT 116, Aviation Flight Major, and permission of the Department Chair**FLT 118 - Private Airplane Pilot Lab II****Units: 1****When Offered:** Fall, Spring, Summer

The second of two courses providing flight training leading to the Private Pilot Certificate. Forty-five flight hours.

Grade Type: Pass/Fail**Fee:** Additional lab fee**Prerequisite(s):** FLT 117 and permission of the Department Chair**FLT 119 - Instrument Pilot Ground****Units: 3****When Offered:** Fall, Spring

An in-depth study of aircraft instruments, preflight and aircraft systems, navigation, holding, approaches, emergencies,

and weather reports and forecasts. Prepares student for the FAA instrument rating knowledge test.

Prerequisite(s): FLT 116

FLT 140 - Time Building Flight Lab I

Units: 1

When Offered: Fall, Spring, Summer

Time Building Flight Lab.

Repeatable: May be repeated one time for credit

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 117 and permission of the Department Chair

FLT 215 - Commercial I and Instrument I Airplane Pilot Lab

Units: 1

When Offered: Fall, Spring, Summer

This lab is designed with two purposes. It will be an introduction to Instrument flight and a time building course for the commercial rating. Students will split their time on solo cross countries to build flight time as well as dual flights with their instructor to learn basic instrument flight maneuvers. Fifty flight hours.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 118 and permission of the Department Chair

FLT 216 - Instrument II Airplane Pilot Lab

Units: 1

When Offered: Fall, Spring, Summer

In this lab, students will begin conducting approaches in Instrument Flight Rules (IFR) or simulated IFR conditions, both in the local area and on cross-country flights. This course will rely heavily on the skills learned in FLT 215. This lab will prepare the student for their instrument practical test. Sixty flight hours.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 215 and permission of the Department Chair

FLT 224 - Modern Avionics and Navigational Aids

Units: 3

When Offered: Spring

An in-depth study of the modern avionics and navigation aids available to pilots, including NEXTGEN, ADS-B, and Garmin 500, 600, and G1000 units, and Aspen Evolution PFD1000.

FLT 240 - Time Building Flight Lab II

Units: 1

When Offered: Fall, Spring, Summer

Time Building Flight Lab.

Repeatable: May be repeated one time for credit

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 117 and permission of the Department Chair

FLT 301 - Advanced and Commercial Airplane Pilot Ground

Units: 3

When Offered: Spring

An in-depth study of aerodynamics, instruments, engines and systems of multi-engine aircraft.

Prerequisite(s): FLT 311

FLT 311 - Commercial Pilot Ground

Units: 3

When Offered: Fall

An in-depth study of aerodynamics, instruments, engines and systems, airports, air traffic control, and airspace, FARs, performance and weight and balance, aeromedical factors, aviation weather, navigation and flight operations. Prepares students for the FAA Commercial Pilot knowledge test.

Prerequisite(s): FLT 119

FLT 313 - Commercial II Airplane Pilot Lab

Units: 1

When Offered: Fall, Spring

Students will learn to maneuver a complex single-engine aircraft to commercial standards. Students will be training in a local practice area to become proficient in handling the aircraft and complete remaining required cross country flights with their instructor. This lab will prepare the student for the Commercial single-engine practical test. Fifty flight hours.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 216 and permission of the Department Chair

FLT 314 - Advanced Commercial Airplane Pilot Lab

Units: 1

When Offered: Fall, Spring, Summer

An in-depth study of aerodynamics, instruments, engines and systems of multi-engine aircraft. Multi-engine commercial add-on. Twenty flight hours.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 313 and permission of the Department Chair

FLT 315 - Flight Instructor Pilot Ground

Units: 3

When Offered: Spring

An in-depth study of the practical application of flight training skills, including the principles of learning and communication, instructional methods, techniques, and media. Students will prepare a training syllabus and conduct ground lessons. Prepares students for the FAA Flight/Ground Instructor knowledge test.

Prerequisite(s): FLT 311

FLT 317 - CFI and CFII Airplane Pilot Lab

Units: 1

When Offered: Fall, Spring, Summer

Flight instruction leading to the Certified Flight Instructor (CFI) and the Certified Flight Instrument Instructor (CFII).

Forty-five flight hours.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 314 and permission of the Department Chair

FLT 326 - Human Factors

Units: 3

When Offered: Spring

A review of the psychological human factors that affect aviation, including individual and organizational factors, and technology-induced errors. Includes common human errors and detection and recovery skills. The chain of events leading up to an aircraft accident are examined in light of specific aircraft accidents.

FLT 328 - Aircraft Systems

Units: 3

When Offered: Fall

An in-depth study of aircraft systems, including engine, fuel, electric, hydraulic, pneumatic, flight control, and computer systems and displays.

FLT 340 - Time Building Flight Lab III

Units: 1

When Offered: Fall, Spring, Summer

Time Building Flight Lab.

Repeatable: May be repeated one time for credit

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 117 and permission of the Department Chair

FLT 410 - Turbine Systems

Units: 3

When Offered: Spring

An in-depth study of turbine systems and turbine aircraft performance.

Prerequisite(s): FLT 328

FLT 419 - Multi-Engine Instructor Pilot Lab

Units: 1

When Offered: As offered

Flight instruction leading to the Multi-Engine Instructor certificate.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 315

FLT 420 - Crew Resource Management

Units: 3

When Offered: Fall

An in-depth study of the complex multi-crew environment, including methods to enhance efficiency via a focus on

interpersonal communication, leadership, and decision making. Designed to minimize accidents associated with human error.

FLT 421 - Mission Aviation

Units: 3

When Offered: As offered

An in-depth study of missionary aviation including piloting in third world countries, cross cultural communication, missionary support, raising support, etc.

FLT 422 - Turbine Transition Lab

Units: 1

When Offered: As offered

Flight instruction in turbine-powered aircraft and simulator.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 314 and permission of the Department Chair

FLT 430 - Airline Prep

Units: 3

When Offered: Fall

Introduces the students to the policies, procedures, work practices, operating practices, and expectations for pilots in the airline industry.

FLT 440 - Time Building Flight Lab IV

Units: 1

When Offered: Fall, Spring, Summer

Time Building Flight Lab.

Repeatable: May be repeated one time for credit.

Grade Type: Pass/Fail

Fee: Additional lab fee

Prerequisite(s): FLT 117 and permission of the Department Chair

FLT 498 - Aviation Flight Capstone

Units: 3

When Offered: Spring

Provides a senior culminating experience for aviation flight majors.

Prerequisite(s): Senior status

FRE 115 - Elementary French I

Units: 3

GE Designation: M

When Offered: Fall

This course introduces students to fundamental skills such as understanding, reading, writing, and speaking the French language, while developing French cultural awareness. To introduce students to these skills, this course will prepare students to use common phrases, a basic vocabulary, and essential grammar. In addition, students will develop their

cultural awareness and language skills through a variety of learning activities such as French games and interactive software, French songs, reading and writing short stories, and performing a brief oral topic demonstration.

FRE 125 - Elementary French II

Units: 3

GE Designation: M

When Offered: Spring

This course continues the study of the basics of the French language and expands or further develops the student's ability to speak, understand, read, and write elementary French through a variety of activities both in and out of the classroom, homework assignments, workbook exercises, and language lab participation. In addition, the class gives further understanding and appreciation of French civilization/culture.

Prerequisite(s): FRE 115

FRE 215 - Intermediate French I

Units: 3

GE Designation: M

When Offered: As offered

Introduces students to more complex linguistic patterns presented in a French/Francophone cultural and comparative context, and includes practice in speaking, listening, reading, and writing through discussion of short texts, written exercises and short compositions, work in multimedia resources, and participation in French cultural events. This is a dynamic, hands-on language course geared toward discussion of topical issues of interest to contemporary French speakers. It includes a review of basic French vocabulary and syntax keyed to readings on cultural topics including globalization, immigration, media, friendship, gender, religion, and human rights. Classes are conducted primarily in French.

Prerequisite(s): FRE 125

FRE 225 - Intermediate French II

Units: 3

GE Designation: M

When Offered: As offered

This course develops the advanced linguistic patterns introduced in Intermediate French I and includes more practice in speaking, listening, reading, and composition through discussion and written analysis of French films. The student will become a more proficient French communicator by learning about French culture, history, and politics while studying French cinema in the context of hands-on classroom activities. Knowledge of French vocabulary and grammatical structures taught in the earlier three semesters is assumed. Some grammar study is included, associated primarily with cultural conversations following from the cinema selections and student review projects. Classes are conducted primarily in French.

Prerequisite(s): FRE 215

GDM 110 - Fundamental Design

Units: 3

When Offered: Fall, Spring

This course explores the tools and implementations of Adobe Illustrator through assigned projects and exercises. Techniques will be explored and explained. Best practice work-flows will be taught. The goal of this course is a working knowledge of Illustrator for the student.

GDM 120 - Fundamental Typography

Units: 3

When Offered: Fall, Spring

This course explores the tools and implementations of Adobe InDesign through assigned projects and exercises. Techniques will be explored and explained. Best practice work-flows will be taught. The goal of this course is a working knowledge of InDesign for the student and for the student to be able to identify key typography concepts.

GDM 130 - Fundamental Image

Units: 3

When Offered: Fall, Spring

This course explores the tools and implementations of Adobe Photoshop through assigned projects and exercises. Techniques will be explored and explained. Best practice work-flows will be taught. The goal of this course is a working knowledge of Photoshop for the student.

GDM 140 - Fundamental Web

Units: 3

When Offered: Online and Professional Studies

This course introduces students to the primary languages of web design, HTML and CSS. The course is designed to provide students with a foundational knowledge in the way that web pages are designed and coded. Tools and techniques needed to design and create web pages will be explored.

GDM 150 - Fundamental User Interface and User Experience Design

Units: 3

When Offered: Fall, Spring

This course serves as an introduction to a variety of visual, navigational and structural approaches in the user experience (UX) and interface (UI) building process. The primary goal is for students to better understand how to design for various digital and environmental user experiences. Topics that will be covered include research, navigation systems, visual hierarchy, prototyping, testing and best practices. A strong emphasis is placed on conceptual development, structure, interactivity, and design aesthetics that will result in effective physical and virtual user experience solutions.

GDM 200 - Special Topics in Graphic Design

Units: 3

When Offered: As offered

This course focuses on different topics in the field of graphic design each time it is offered. Designed to reflect both the rapidly changing culture and technologically progress of the field.

Repeatable: May be repeated multiple times with change in topic

GDM 240 - Design Movements of the 20th Century

Units: 3

When Offered: Fall, Spring

This course surveys of design movements of the 20th century and the influences found today. Movements such as Futurism, Modernism, Postmodernism and the Information Age will be studied.

GDM 305 - History of Graphic Design

Units: 3

When Offered: Online and Professional Studies

A study of the causes and effects of critical design movements. This course explores the political and social environments that shaped the creation and evolution of graphic design. This course will give students insight into different movements, such as the Medieval Era, Graphic Renaissance, Industrial Revolution, Art Nouveau, Modernism, Postmodernism, and the Digital Revolution. Students will also evaluate how the history of graphic design influences current design philosophies and strategies.

GDM 310 - Intermediate Design

Units: 3

When Offered: Fall, Spring

This course is an intermediate design course in which project work is used to study work flow, pre-press techniques and practices, idea generation, and other concepts that arise from the process of creativity.

Prerequisite(s): GDM 110 and 130

GDM 320 - Intermediate Typography

Units: 3

When Offered: Fall, Spring

This course is an intermediate typography course in which more complex typography concepts, best practice type generation and project work challenge the student.

Prerequisite(s): GDM 110, 120, and 130

GDM 321 - The Art and Design of Professional Presentations

Units: 3

When Offered: Online and Professional Studies

This course introduces students to the knowledge and skills necessary to develop professional interactive multimedia productions. Classroom activities include how to identify the design and communication issues from pre through post production of an interactive presentation. In this multimedia design and production course, students integrate research, writing, creative visual layout, and interface design to develop high impact professional presentations. Additionally, students will learn how to define and identify project goals, purpose, audience, timeline milestones, budget constraints and other multimedia project parameters.

GDM 328 - Wordpress and Advanced Blog Design

Units: 3

When Offered: As offered

This course explores the process of using Wordpress, a power engine, to build professional blog sites upon. The students will design and build blogs using Wordpress and other programs needed to build graphic assets.

Prerequisite(s): GDM 310

GDM 330 - Intermediate Image

Units: 3

When Offered: Fall, Spring

This course is an intermediate image course in which more complex photography and photoshop techniques will be taught. Students will learn how to manipulate photography using photoshop to create complex ideas and messages.

Prerequisite(s): GDM 130

GDM 331 - Animation and Motion Graphic Design

Units: 3

When Offered: Spring

This course explores the tools and implementations of Adobe After Effects through assigned projects and exercises. Techniques will be explored and explained. Best practice work-flows will be taught. The goal of this course is for the student to have a working knowledge of After Effects.

Prerequisite(s): GDM 310

GDM 340 - Intermediate Web

Units: 3

When Offered: Online and Professional Studies

This course expands on students accrued HTML and CSS knowledge. Principles of content strategy will be integrated with visual design to create compelling web experiences. Popular as well as up and coming CMS solutions such as WordPress, Ghost, and others will also be explored.

Prerequisite(s): GDM 140

GDM 341 - Video Fundamentals

Units: 3

When Offered: Fall

This course explores the tools and implementations of Adobe Premiere Pro through assigned projects and exercises. Techniques will be explored and explained. Best practice work-flows will be taught. The goal of this course is for the student to have a working knowledge of the Adobe Premiere Pro editing software.

GDM 350 - Advanced User Interface and User Experience Design

Units: 3

When Offered: Spring

This course takes a deep dive into designing User Interface (UI) and User Experience (UX) for mobile and emerging technologies and will critically examine conceptual innovations in the field. On a practical level, students work with information architecture, prototyping and wireframing tools, usability assessment, and best practices for design communication.

Prerequisite(s): GDM 150

GDM 351 - 3D Design for Emerging Media

Units: 3

When Offered: Spring

Students in this course will work with industry standard 3D programs and processes to develop their ability to analyze form and space relationships. Students will work with properties such as lighting and texture in the creation of optimized 3D objects for inclusion in a variety of digital media and 3D printing processes.

Prerequisite(s): GDM 110 or EGR 121

GDM 352 - Visual Effects Design for Emerging Media

Units: 3

When Offered: Fall

This course teaches students the primary skills and processes used in the visual effects (VFX) industry. Students will learn basic compositing and how to integrate computer graphics and 3D components with live action in a methodology

that simulates standard VFX production pipelines.

Prerequisite(s): EGR 121, FLP 170, or GDM 110

GDM 370 - User Interface Design

Units: 3

When Offered: As offered

This course explores design principles, methodology and best practices through assigned projects and exercises. Techniques and ideas will be explored and explained. The goal of this course is to introduce the student to the emerging world of mobile application and explore concepts of user interface design.

Prerequisite(s): GDM 110 or 130

GDM 375 - Fundamental Mobile Design

Units: 3

When Offered: As offered

This course introduces the concepts and methodologies of mobile application design. The building blocks for the programming and design of the language and code will be introduced. The student will build a basic application from scratch to presentation and then launch.

Pre- or Co- Requisite(s): GDM 370

GDM 400 - Special Topics in Graphic Design

Units: 3

When Offered: As offered

This course focuses on different topics in the field of graphic design each time it is offered. Designed to reflect both the rapidly changing culture and technologically progress of the field.

Repeatable: May be repeated multiple times with change in topic

GDM 410 - Advanced Design

Units: 3

When Offered: Fall, Spring

This course is an advanced design course in which project work is used to build a professional portfolio for employment or advanced studies. Complex design issues and problem solving challenge the student throughout the creative process.

Repeatable: May be repeated one time for credit

Prerequisite(s): GDM 310

GDM 420 - Advanced Typography

Units: 3

When Offered: Fall

This course is an advanced typography course in which complex real-world typography concepts are now explored to build projects for a professional portfolio of work for employment or advanced studies.

Prerequisite(s): GDM 320

GDM 430 - Advanced Image

Units: 3

When Offered: Spring

This course is an advanced image course in which professional, complex image generation is explored and expert techniques in color correction, masking and compositing are implemented. Professional portfolio projects are built to prepare students for employment or advanced studies.

Prerequisite(s): GDM 330

GDM 440 - Advanced Web

Units: 3

When Offered: Online and Professional Studies

This advanced course exposes students to real world web design problems through projects and case studies. Client side scripting with JavaScript will be introduced. Web standards and best practices will be studied in depth, as well as project workflow.

Repeatable: May be repeated one time for credit

Prerequisite(s): GDM 340

GDM 441 - Advanced Video and 3D

Units: 3

When Offered: Fall

This course is an advanced video & 3D course in which project work is used to study complex concepts of story, editing and publishing. Projects in this course are designed to build a student's portfolio of professional work for presentation for employment and advanced studies.

Repeatable: May be repeated one time for credit

Prerequisite(s): GDM 310

GDM 450 - Internship in Graphic Design and Digital Media

Units: 1-3

When Offered: Fall, Spring

The internship will consist of an off-campus work opportunity in the field of design at a minimum of 3 hours a week.

Prerequisite(s): Senior status and permission of the Department Chair

GDM 451 - Internship in Graphic Design and Digital Media

Units: 1-3

When Offered: Fall, Spring

The internship will consist of an off-campus work opportunity in the field of design at a minimum of 3 hours a week.

Prerequisite(s): GDM 450 and permission of the Department Chair

GDM 461 - Advanced Design for Emerging Media

Units: 3

When Offered: Fall

With the ubiquity of mobile devices and the mainstream adoption of wearables, there will soon exist access for nearly everyone to have a digital layer of Artificial Intelligence (AI) structured data viewable in mixed reality environments such as Augmented Reality (AR) and Virtual Reality (VR). This course provides students with an overview of the history and evolution of these technologies, their convergence, and how to build basic mixed reality applications.

Prerequisite(s): GDM 351 or 352

GDM 462 - Mobile Game Design

Units: 3

When Offered: Spring

This course provides an overview of mobile game industry, game development process and phases, the related principles of project management, the phases of game design, and game mechanics. As students take their first steps in learning the concepts of game design, this course provides a foundation for students to enter the video game development market. Students will build their own game using industry standard development software.

Prerequisite(s): GDM 351 or 352

GDM 470 - Advanced Mobile Design

Units: 3

When Offered: As offered

The advanced mobile design course will further develop the students understanding of the principles and methodologies application design. The course will task the students to build application from their inception to launch. The students will work within the confines of application API and other standards within the industry.

Repeatable: May be repeated one time for credit

Prerequisite(s): GDM 370 and 375

GDM 499 - Senior Project

Units: 3

When Offered: Fall, Spring

This course is designed as a capstone showcase of the student's accumulated body of work while in the program. The Graphic Design Senior Show will consist of 10 portfolio pieces from the student's portfolio. This is an effort to keep the student on task and focused on the portfolio.

Prerequisite(s): Senior status and permission of the Department Chair

GRK 213 - Introduction to Koiné Greek I

Units: 3

GE Designation: M

When Offered: Fall

An introduction to Koiné Greek emphasizing basic grammar and vocabulary preparatory for translation of the Greek New Testament.

GRK 223 - Introduction to Koiné Greek II

Units: 3

GE Designation: M

When Offered: Spring

Continuation of GRK 213 with beginning translation from the First Epistle of John.

Prerequisite(s): GRK 213

GRK 313 - Intermediate Greek

Units: 3

GE Designation: M

When Offered: As offered

A "literary laboratory" in which to observe the function of Greek syntax through the translation and exegetical study of specific New Testament materials.

Prerequisite(s): GRK 223

GRK 323 - Intermediate Greek

Units: 3

GE Designation: M

When Offered: As offered

A "literary laboratory" in which to observe the function of Greek syntax through the translation and exegetical study of specific New Testament materials.

Prerequisite(s): GRK 223

GRK 413 - Greek Exegesis

Units: 3

GE Designation: M

When Offered: As offered

A careful exegetical study of a Greek text of specific New Testament text(s) presenting the opportunity to further develop translation, analytical, and interpretive skills.

Repeatable: May be repeated with change in text

Prerequisite(s): GRK 313 and 323

GSC 101 - Introduction to Global Community Science

Units: 1

When Offered: Fall

This course is designed to introduce the students to the basic skills necessary for academic success in the discipline of Global Community Science, to provide students with an overview of the discipline including requirements of the major and expectations of professions in which that major may be applied, and to explore the students' calling and vocation.

GSC 310 - Sustainable Agriculture and Population Dynamics

Units: 3

When Offered: Spring (odd years)

This course explores diverse aspects of agriculture and agriculture sustainability, primarily from various natural science perspectives. Techniques of organic and sustainable agriculture will be emphasized. This course also touches on the social, political, and economic forces that relate to farming communities, food production and distribution, and consumption.

GSC 400 - Special Topics

Units: 1-4

When Offered: As offered

Concentration upon a specific topic in the field of Global Community Science. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

GSC 400L - Special Topics Lab

Units: 1

When Offered: As offered

This laboratory course may be offered in conjunction with the special topics course, or on its own, to provide instruction with hands on experience. Topic varies for different semesters.

Repeatable: May be taken multiple times with for credit with change in topic

Fee: Additional lab fee

GSC 410 - Social Issues and Sustainable Development

Units: 3

When Offered: Fall (odd years)

This course will review the major social issues of the four "underdeveloped" continents (Africa, Asia, Latin America, and the Middle East), and examine sustainable development practices and principles which impact those issues. Students will be introduced to the United Nations Sustainable Development Framework of 1) Social and Economic Development, 2) Natural Resources Management, 3) Stakeholders, and 4) Means of Implementation, and various other conceptual models of development. Among the pressing social issues considered include poverty due to land degradation and desertification, infrastructure in slums and refugee conditions, access to clean water, low-cost-high-safety housing, and disease prevention.

GSC 495 - Field Practicum

Units: 3

When Offered: Fall, Spring, Summer

This course is designed to allow students to participate in an extended discipline specific experience through approved programs in the area of community science. In addition to the required field experience, it is designed to be an exercise for students to reflect upon, evaluate, and assimilate knowledge and experience they have gained through their course of study and practicum. Students in this course will prepare a presentation (both written and oral) that will focus on that experience.

Prerequisite(s): Permission of the Department Chair

GST 010 - Lifeline

Units: 1

When Offered: As offered

The Lifeline course is an extension of the International Student Orientation at California Baptist University and is required of all Intensive English Program Students. The course is comprised of a semester-long series of small group seminars, activities and discussions designed to address the developmental and transitional needs of new international students at CBU. The course is designed to motivate students to engage in and think about issues and topics that are critical to academic success at the university level and cultural transition into the United States. Topics address the skills and relationships needed for students to succeed academically, socially, emotionally and spiritually.

Grade Type: Pass/Fail

GST 050 - Chapel/Convocation

Units: 0

When Offered: Fall, Spring

The California Baptist University community gathers regularly for worship, communication, fellowship, personal development, and spiritual formulation. As a community deeply rooted in the Baptist tradition of the Christian faith, it is appropriate to expect broad participation in this experience. (This is a non-academic requirement and does not count toward the number of units required for graduation. A failing grade in Chapel will have a 1 unit negative effect on a student's semester and cumulative grade point average.)

GST 060 - Academic Success Seminar

Units: 0

When Offered: Fall, Spring

The purpose of this course is to equip students with tools that they need to be successful in their academics at California Baptist University. The course will be comprised of a series of workshops, activities and small group

discussions designed to meet the academic needs of students at California Baptist University. (This seminar does not count toward the number of units required for graduation. A failing grade in the academic success seminar will have a 1 unit negative effect on a student's semester and cumulative grade point average.) Course Fee equivalent to one (1) unit of tuition.

Grade Type: Pass/Fail

GST 061 - Academic Course on Excellence

Units: 0

When Offered: Fall, Spring

The purpose of this course is to promote academic success through excellence. Learning theories, concepts, and strategies related to academic excellence and personal success are covered.

Repeatable: May be repeated

Grade Type: Pass/Fail

GST 099 - The Teaching Assistant

Units: 0

When Offered: Fall, Spring, Summer

The class is designed to provide students a deeper understanding of the academic discipline by viewing through the lens of instruction and evaluation of student work. Students will experience this perspective through opportunities to evaluate work, provide supplemental instruction, and participate in other in and out of class activities in support of the course in which the student is serving as a teaching assistant.

Grade Type: Pass/Fail

Prerequisite(s): Permission of the Provost Office

GST 100 - FOCUS

Units: 1

When Offered: Fall, Spring

The FOCUS (First-Year Orientation and Christian University Success) program is designed to assist new students with the transition to university life and the California Baptist University community. The course is comprised of a semester-long series of small group seminars, activities, and discussions and is designed to address the developmental and transitional needs of new students at CBU. Topics focus on the issues, skills, and relationships that can help students succeed academically, socially, emotionally, and spiritually. Based on years of tradition, but sensitive to the ever-changing needs of university students, FOCUS provides a well-rounded introduction to the California Baptist University experience.

Grade Type: Pass/Fail

GST 101 - Essentials for Online and Professional Studies

Units: 0

When Offered: Online and Professional Studies

The course is designed to prepare students for a successful transition to college coursework, including online studies. Students are introduced to the resources CBU has in place to ensure the success of its student body including an introduction to the Blackboard learning management system.

Grade Type: Pass/Fail

GST 199 - Portfolio Seminar

Units: 1**When Offered:** Online and Professional Studies

The goal of the portfolio workshop is to help the student gather the material necessary for petitioning for prior learning credit and to assist in the presentation of the material. The prior learning portfolio is intended to be a thorough compilation of the student's prior learning. With guidance from the faculty, the student will develop a portfolio documenting college level learning which has been obtained outside of the traditional college classroom setting through work related training, professional experiences, and community involvement. Portfolio credit is awarded for learning that has taken place-not for experience. Therefore in addition to documenting experience, students are expected to articulate and demonstrate appropriate theory and terminology in their portfolio. (Portfolio credit can only be earned toward general elective credits and cannot be earned in a student's major field of study.)

Grade Type: Pass/Fail**GST 200 - Career Readiness****Units: 1****When Offered:** Fall, Spring, Summer

This course is designed to help students align their academic studies with professional development so that they will be equipped to present themselves as the most preferred candidate when entering into their chosen job field. The full process of career readiness will be discussed and evaluated from student, alumni, and employer perspectives. Subject matter will consist of how to choose a major/career, preparing job application materials, interview skills, strategic job searching, etc.

Grade Type: Pass/Fail**HCA 330 - Health Information Systems****Units: 3****When Offered:** Fall

This course provides an overview of various health information systems, with emphasis on case studies of systems utilized in areas such as patient-care, clinical decision-support, disease and demographic surveillance, imaging and simulation, and safety and environmental assessment. Fundamentals of proposing, reporting, and refereeing evaluation studies are covered. Legal and ethical issues related to training, security, confidentiality, and the use of informed consent are also addressed.

HCA 360 - Finance and Reimbursement in Healthcare**Units: 3****When Offered:** Fall

This course deals with the financing and reimbursement functions associated with medical care in the United States. Primary attention is directed towards the economic purpose, structure, operation, and performance of the private health insurance industry. Emphasis is placed on the business of providing health insurance products such as underwriting, medical claims cost control, pricing, and marketing. In that context, managed care techniques, benefit package designs including consumer directed health plans, and cost sharing mechanisms are discussed. Attention is also paid to the Medicare and Medicaid programs, the impact of government regulations on the operation and performance of the private health insurance industry, and healthcare reform.

HCA 405 - Quality Management in Healthcare**Units: 3****When Offered:** Online and Professional Studies

This course presents a study of the foundational components of healthcare quality management with a strong emphasis on creating a culture of continuous improvement through performance evaluation and measurement, patient safety, and

quality and safety reliability. The development of a hospitable environment through patient and employee engagement is examined.

HCA 410 - Quality Improvement in Healthcare

Units: 3

When Offered: Fall

Student will explore the current forces driving the push toward quality outcomes and accountability at all levels and settings of healthcare, while focusing on the philosophy of continuous improvement through teamwork and statistical thinking. Students will use structural tools for analysis, decision making and performance measurement.

Prerequisite(s): HCA 330, 360, and STA 144

Pre- or Co- Requisite(s): HCA 490

HCA 450 - Healthcare Legal Issues and Ethics

Units: 3

When Offered: Spring

Students explore and analyze current ethical issues such as biomedical research, insurance statutes, and demand management. Students survey the extensive legal foundations of healthcare, and apply current case law to contemporary situations. Topics include legal aspects of legislation, patient rights, data security, professional liability, and labor relations.

HCA 490 - Current Issues in Healthcare Administration

Units: 2

When Offered: Fall

The purpose of this course is to expose students to current and relevant administrative issues prevalent within the healthcare sector. In addition, this course will help students develop the knowledge and skills to work with industry professionals to design a project scope and memorandum of understanding with a healthcare company to address a current issue.

Prerequisite(s): HCA 330, 360, and STA 144

HCA 499 - Healthcare Administration Capstone

Units: 3

When Offered: Spring

This course is designed to be a culminating exercise for students to reflect upon, evaluate, and assimilate knowledge and experience they gained by participating in an action research project with a local health care provider. This course continues the student's development in a research and reflective experience that utilizes the memorandum of understanding developed in HCA 490. At the completion of this course, students will prepare a presentation (both oral and written) that focuses on that experience.

HEB 213 - Biblical Hebrew I

Units: 3

GE Designation: M

When Offered: Fall

A study of the fundamentals of biblical Hebrew, including pronunciation, vocabulary, verbs, nouns, parts of speech as well as elements of Hebrew syntax.

HEB 223 - Biblical Hebrew II

Units: 3

GE Designation: M

When Offered: Spring

An analysis of biblical Hebrew with attention to appropriate portions from the Old Testament Scriptures and to the introduction and utilization of the Hebrew lexicon.

Prerequisite(s): HEB 213

HEB 313 - Intermediate Biblical Hebrew I

Units: 3

GE Designation: M

When Offered: As offered

Continuing study of the writing, grammar, vocabulary, syntax, and literature of Biblical Hebrew II.

Prerequisite(s): HEB 223

HEB 323 - Intermediate Biblical Hebrew II

Units: 3

GE Designation: M

When Offered: As offered

Continuing study of the writing, grammar, vocabulary, syntax, and literature of Intermediate Biblical Hebrew I.

Prerequisite(s): HEB 313

HEB 400 - Advanced Hebrew

Units: 3

GE Designation: M

When Offered: As offered

A careful exegesis study of a specific section of the Hebrew Bible, presenting the opportunity to further develop translational, analytical, and interpretive skills.

Repeatable: May be repeated with change in text

Prerequisite(s): HEB 323

HIS 201 - Special Topics in U.S. History

Units: 3

When Offered: As offered

Concentrates on a different topic of U.S. History each time offered.

Repeatable: May be repeated with change in subject matter. Student involvement in selection of topics is encouraged.

HIS 202 - Special Topics in Non-U.S. History

Units: 3

When Offered: As offered

Concentrates on a different topic in Non-U.S. History each time offered.

Repeatable: May be repeated with change in subject matter. Student involvement in selection of topics is encouraged.

HIS 213 - History of the United States to Reconstruction

Units: 3

GE Designation: M

When Offered: Fall, Spring

A general survey of the social, political, economic, cultural, and religious developments from 1492 through Reconstruction.

HIS 223 - History of the United States since the Civil War

Units: 3

GE Designation: M

When Offered: Fall, Spring

A continuation of HIS 213.

Repeatable: May be taken before HIS 213

HIS 305 - History of China

Units: 3

GE Designation: M

When Offered: Fall (odd years)

The course acquaints and familiarizes students with historical inquiry centered upon the entire breadth of Chinese civilization. Students will engage in a study of the dynastic period to the Republican era with the advent of communism in China, focusing upon political, intellectual, economics and social factors.

HIS 311 - Minorities in America

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

The role of minorities in the development of America. Principal areas of focus are immigration and the immigrant experience and the ethnic experiences of Blacks, Indians, and Hispanics.

HIS 315 - Latin American History

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course is a survey of Latin American history from the Spanish discovery of the Americas through the Cold War in the twentieth century. The course focuses on the impact of Spanish and Portuguese colonialism, the wars of Latin American Independence, the development of Latin American republics, and the impact of US intervention in the region.

HIS 325 - Non-Western Culture and History

Units: 3

GE Designation: I, M

When Offered: Fall

The course consists of a historical survey exploring primarily the cultural and intellectual features of specifically non-Western cultures, with emphasis given to East Asia, South Asia, and the Middle East, additionally covering Africa, and the pre-Columbian Americas.

HIS 333 - Nineteenth Century Europe

Units: 3

GE Designation: M

When Offered: Fall (even years)

This course is a survey of European history from the French Revolution to World War I. The course focuses on the following themes of the long nineteenth century: nationalism and nation-building, industrialization and social change, Marxism and liberalization, colonialism and imperialism. Of particular importance is the growing tension between Christianity and secularization.

HIS 343 - Twentieth Century Europe

Units: 3

When Offered: Spring (odd years)

This course is a survey of European History from the outbreak of World War I to the end of the Cold War. Special attention will be given to the study of conditions that produced Fascism, Nazism, and Communism, as well as to the factors that brought about World War II and shaped the development of the post-war world.

HIS 353 - Renaissance and Reformation Europe

Units: 3

When Offered: Fall (odd years)

This course is a survey of European history during the period of the Renaissance and the Reformation (ca. 1350-1600). Special attention will be given to the conditions influencing the development of Renaissance culture, such as the Black Death and Italian Humanism, as well as the religious and political changes prompted by Reformers like Martin Luther and John Calvin.

HIS 360 - Enlightenment Europe

Units: 3

When Offered: Spring (even years)

This course is a survey of European history during the "Age of Absolutism," from the Thirty Years War to the French Revolution (17th-18th centuries). This period is characterized by the development of royal absolutism, European colonialism, and the Enlightenment. The course focuses on key changes in European culture, including the growth of mercantilism, development of liberalism, and challenges to traditional political and religious authorities.

HIS 363 - History of England to 1688

Units: 3

When Offered: Fall (odd years)

This course is a survey of English history from pre-Roman times to the Glorious Revolution in 1688. Special attention will be given to the political, religious and cultural changes produced by foreign conquest, Christian expansion, and the cross-Channel interests of the rulers of England.

HIS 373 - History of England since 1688

Units: 3

When Offered: Spring (even years)

This course is a survey of English history since the Glorious Revolution in 1688. Special attention is given to political developments after the Glorious revolution, the expansion of British colonialism, industrialization and social change, religious movements within England and its colonies, and the impact of decolonization in the twentieth century.

HIS 383 - The West in American History

Units: 3

GE Designation: M

When Offered: As offered

A study of the westward movement of the American frontier from the colonies to the Pacific with emphasis on the significant role of the frontier in the development of American ideals and institutions.

HIS 393 - History of California

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

The social, economic, and political development of California from its discovery to the present. The latter part of the course is thematic in presentation (i.e., agriculture, transportation, water, etc.).

HIS 399 - Independent Study

Units: 1-3

When Offered: As offered

This course is designed to afford the superior student an opportunity to work independently on subject matter of the student's choice. Supervision and evaluation will be provided by a member of the History faculty.

HIS 401 - Special Topics in U.S. History

Units: 3

When Offered: As offered

Course concentrates on a specific topic in U.S. History.

Repeatable: May be repeated once with change in topic

HIS 402 - Special Topics in Non-U.S. History

Units: 3

When Offered: As offered

Concentrates on a different topic in Non-U.S. History each time offered.

Repeatable: May be repeated with change in topic. Student involvement in selection of topics is encouraged.

HIS 403 - Special Topics in European History

Units: 3

When Offered: As offered

Course concentrates on a specific topic in European History.

Repeatable: May be repeated once with change in topic

HIS 404 - Special Topics in World History

Units: 3

When Offered: As offered

Course concentrates on a specific topic in World History.

Repeatable: May be repeated once with change in topic

HIS 420 - The Classical World

Units: 3

GE Designation: I

When Offered: Fall (even years)

The purpose of this course is to provide students with historical knowledge of the Classical World (Greece and Rome). Special attention is additionally given to the Christian and Greco-Roman origins of Western culture.

HIS 423 - Medieval Civilization

Units: 3

When Offered: Spring (odd years)

This course is a survey of European history from the end of the Roman Empire to the emergence of the Renaissance. The course focuses on the creation of the Germanic kingdoms, the spread of Roman Christianity, and the development of Christendom. Special attention is given to the emergence of the institutional Church and its relationship with "feudal" Europe.

HIS 430 - Cross and the Crescent

Units: 3

GE Designation: I, M

When Offered: Fall (odd years)

This course traces the history of Christian-Muslim relations over the last fourteen centuries, from the rise of Islam in the early AD 7th century to the confrontations between Islamists and the secular West in the AD 21st century. The course surveys several primary and key secondary texts for understanding Islam and the varied relations between Islamic- and Christian-oriented societies over time. Topics examined in greater detail include Muhammad and the beginnings and rise of Islam, Jesus and other Biblical figures in the Qur'an (Koran), cooperation and competition during the Middle Ages, the Crusades, and modern radical elements in Islam and Christianity.

HIS 435 - The Holocaust: Historiographic, Philosophic and Religious Perspectives

Units: 3

GE Designation: I, M

When Offered: Spring (even years)

The course introduces the student to the extensive historiography covering the period of recent history and associated events cumulatively nominated the Holocaust/Shoah. It will provide opportunity for personal and in-depth analysis of some of the causes and consequences of this "war against the Jews." Items for study and reflection will include dramatic literary and film narratives, along with traditional historical analysis and documents.

HIS 436 - Ethics After the Holocaust

Units: 3

When Offered: Fall (even years)

This course aims to introduce and explore the philosophical, social, historical, and theological aspects of ethical theory since the Holocaust. Specifically, after a brief historical introduction to contemporary philosophical and theological ethics, students will read and discuss a range of historical, philosophical and theological materials that deal with ethics during and after the Holocaust. The course will also address the contentious claim that the Holocaust actually seldom directly enters into such normative discourse, and so the class will then investigate the historical bases for that absence, with the aim of understanding and critiquing that claim. The course concludes with an investigation and discussion of forgiveness in the face of radical evil.

HIS 437 - Studies in the Holocaust: Perpetrators and Victims, Rescuers, and Bystanders

Units: 3**When Offered:** Fall (odd years)

The Holocaust was not only an event involving nations and groups, and the focus on six million who were murdered is not merely a passing statistic. This course takes a finer-grained look at individuals who were involved in these atrocities. Some were perpetrators, ordering and obeying orders to kill; others were victims, the targets of these attacks. Others were bystanders, those who did not directly participate, but stood by and allowed the killing to take place, and in some instances directly or indirectly benefited from the killing. Still others, much fewer in number, risked their status, their property, their liberty and even their lives and the lives of their loved-ones, to rescue those who were targeted for killing. Why and how did people decide to occupy these roles? We will take a close look at representative figures in all these categories, seeking to understand their positions, and what those figures and their lives teach us about ourselves and our options in the midst of contemporary troubles.

HIS 440 - History Through Film**Units: 3****When Offered:** As offered

This course leads students through a critical evaluation of the way in which the history and culture of a particular time and place (Greece, Rome, Japan, etc.) are portrayed through popular films. Students will read primary historical literature related to the historical content of the films and will compare how these films represent history accordingly.

HIS 472 - Colonial America, 1607-1787**Units: 3****GE Designation:** M**When Offered:** As offered

This course will examine the thirteen English colonies in North America from the founding of Jamestown through the ratification of the Constitution. Topics such as the establishment of colonial corporate power, religious controversy and freedom, the entrenchment of African slavery, wars with Native communities and the emergence of modern political thought will define this course.

HIS 474 - Early American Republic, 1787-1848**Units: 3****GE Designation:** M**When Offered:** As offered

This course will examine the establishment of the new United States under the Constitution. Topics such as internal development, westward expansion, social and religious movements, democratization and sectional crises leading to the Civil War define this course.

HIS 475 - The Civil War and Its Political Crises, 1848-1865**Units: 3****When Offered:** As offered

This course will examine both the causes and experiences of the American Civil War. Beginning with the ongoing crises leading to the War, this course will include the election of Lincoln, Southern secession, the role of slavery in the war, and experiences on the battlefield.

HIS 476 - The Emergence of Modern America, 1865-1919**Units: 3****GE Designation:** M

When Offered: As offered

This course will examine American life between the end of the Civil War and WWI. It will emphasize national reconstruction post-Civil War, westward expansion, the rise of industry, urbanization and immigration as well as the US experience in global imperialization and world war.

HIS 478 - Modern America, 1920-1989

Units: 3

GE Designation: M

When Offered: As offered

This course will trace the national experience from the post-WWI era through the fall of the Berlin Wall. By emphasizing changes in the nation's modern political, cultural and social fabric, students will understand the history of the 20th Century.

HIS 490 - Historiography

Units: 3

When Offered: Fall

This course is designed to provide the student with knowledge about the history of historical writing and research by analyzing the work of important past historians and various philosophies, theories, and perspectives on the nature of history itself. Emphasis will also be given to understanding history from a Christian perspective.

HIS 491 - Internship in History

Units: 1-3

When Offered: Fall, Spring

Students enrolled in this course will gain valuable professional experience by utilizing knowledge and skills acquired as History majors in volunteer or paid internship positions. Students will perform relevant tasks under the direction of the Internship Site Supervisors. Students will identify and explore connections between their internship experiences and academic coursework.

HIS 499 - Senior Project

Units: 3

When Offered: Spring

A senior capstone course designed to demonstrate the competence of History majors in the discipline and showcase their research and writing skills. The portfolio produced by the student in completion of this project must conform to the departmental guidelines for Senior Projects.

Prerequisite(s): HIS 490 and Senior status

HMS 100 - Introduction to Human Services

Units: 3

When Offered: Online and Professional Studies

Students will be introduced to the field of human services and will examine the human services as a profession. Students will explore the history of the helping relationship, the human services movement, intervention strategies within different settings, managed care, and models of service delivery. Students will also be introduced to career opportunities in fields such as: aging, homelessness, corrections, substance abuse, child welfare, mental health, and disabled populations.

HMS 213 - Theories of Human Services

Units: 3**When Offered:** Online and Professional Studies

Students will be introduced to fundamental theories of human services. This course aims to facilitate a greater understanding of how theoretical frameworks can be applied to the human services field and profession. Students will be exposed to a broad range of psychology-based counseling theories related to personal, social, and organizational issues. Personality theory and conceptual approaches in psychotherapy are featured, as well as multicultural issues and social justice themes.

Prerequisite(s): HMS 100**HMS 310 - Diversity and Social Justice****Units: 3****When Offered:** Online and Professional Studies

Students will be introduced to issues of diversity, oppression, human rights, and social justice. Students will examine people's perceptions of race, ethnicity, culture, religion, age, sex, sexual orientation, social and economic status, political ideology, disability, and how these contribute to discrimination and oppression. Students will learn about diverse cultures, family structure, roles, immigration, and assimilation experiences of marginalized groups. Students will also learn about the influence of dominant culture on these diverse and marginalized (population at risk) groups. This course will also focus on advancing human rights and students will learn how to resolve conflict that may emerge across diverse settings.

Prerequisite(s): HMS 100**HMS 320 - Ethics and Legal Implications of Human Services****Units: 3****When Offered:** Online and Professional Studies

The student is introduced to professional ethics in the helping professions. Class focuses on the knowledge, skills, and values essential to ethical decision-making in responsible practice. Case studies through integrated learning will be utilized for discussion, self-exploration, and skill building for problem solving of ethical issues and dilemmas.

Prerequisite(s): HMS 100**HMS 330 - Context of Human Social Behavior****Units: 3****When Offered:** Online and Professional Studies

Students will be introduced to the ways in which individuals and group behavior develop in interaction with the social environment. Through the lens of theoretical frameworks, students will understand the dimensions and complexity of the human experience and how culture shapes individual values, beliefs, and worldviews. Human development will be examined throughout the lifespan, using the developmental scientific knowledge regarding opportunities and vulnerabilities present during the different stages of the life cycle and the biopsychosocial factors that can influence individual development.

Prerequisite(s): HMS 100**HMS 340 - Case Management and Assessment in Human Services****Units: 3****When Offered:** Online and Professional Studies

This course will emphasize community organizational theory and practice in human services, and community needs and assessment. In addition, students will be asked to develop change strategies and planning techniques to address deficits. Focuses on case management as a method of human service delivery. Students will develop skills in managing multiple aspects of human service interventions in dual roles of coordinator and provider of direct services. Case

presentations, skill development assignments, and community projects are required.

Prerequisite(s): HMS 100

HMS 415 - Family Violence and Mandated Reporting

Units: 3

When Offered: Online and Professional Studies

An introduction to and overview of the phenomena of child abuse, as it relates to the helping professional. This class will examine the definition and cause of child abuse from sociological, cultural and psychological perspectives. The legal and child welfare systems will be studied in addition to treatment and prevention aspects of the child abuse issue.

Prerequisite(s): HMS 100

HMS 425 - Practice Experience in Human Services I

Units: 3

When Offered: Online and Professional Studies

This course is designed to provide students with an overall overview of a professional human service setting. Supervised fieldwork in a cooperating social or health agency is coordinated with a weekly classroom seminar. Students will be asked to document their experience as well as their learning through journal assignments.

Prerequisite(s): HMS 100

HMS 435 - Practice Experience in Human Services II

Units: 3

When Offered: Online and Professional Studies

This course is designed to build upon Practice Experience in Human Services I. Students should have increasing responsibility at their placement as well as develop a more comprehensive understanding of their role in the organization and how their role fits in with the overall mission of the organization. Students will also develop an agency assessment and change project.

Prerequisite(s): HMS 100 and 425

HMS 495 - Human Services Capstone Project

Units: 3

When Offered: Online and Professional Studies

The course is an in-depth, student-centered experience that requires the integration of theory and practical experience. Students will apply the skills and techniques they have learned as well as their knowledge of agencies and culturally diverse client populations to a specific project. The project will identify an issue, problem, information gap or creative endeavor in which the student will explore, research, evaluate and theorize in a final paper. On successful completion of the course, students will have met the learning outcomes of the Human Services degree program.

Prerequisite(s): Permission of the Department Chair

HON 100 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of

the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 102 - Honors Seminar

Units: 2

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 150 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 152 - Honors Seminar

Units: 2

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 200 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 250 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 300 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 350 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 352 - Honors Seminar

Units: 2

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 399 - Independent Study

Units: 3

GE Designation: I

When Offered: As offered

This course through independent study will investigate ideas systematically, progressively and in interdisciplinary fashion. The course will be thematically linked, so that students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technological perspectives. This course is open only to students accepted into the Honors Program.

HON 400 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 402 - Honors Seminar

Units: 2

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 450 - Honors Seminar

Units: 3

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical, religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HON 452 - Honors Seminar

Units: 1

GE Designation: I

When Offered: As offered

This Honors Program seminar investigates ideas relevant to a specific assigned topic from the overall standpoint of a central discipline within the liberal arts. The investigation of ideas will proceed systematically, progressively, and in interdisciplinary fashion. Students will have the opportunity for intensive, focused study from historical, philosophical,

religious, sociological, political, literary, economic and scientific/technology perspectives. An important dimension of the seminar is to examine the seminar topic's implications for Christian worldview thinking. This seminar is open only to students accepted into the Honors Program.

HSC 100 - Introduction to the Health Science Professions

Units: 1

When Offered: Fall, Spring

This course is designed to introduce students to the basic skills necessary for academic success in the health science majors, to review the numerous career options in the health, exercise, and allied health professions, and to explore the student's calling and vocation.

HSC 101 - Introduction to Public Health

Units: 3

When Offered: As offered

This course provides an introduction to public health concepts and practice by examining the philosophy, purpose, history, organization, functions, tools and activities and results of public health practice. Case studies and a variety of practice-related exercises serve as a basis for student's participation in real world public health problem-solving simulations.

HSC 104 - Survey of U.S. Health Care Delivery

Units: 3

When Offered: As offered

The course is designed to provide the students with a basic foundation in the ways in which healthcare is delivered to patients in the United States. The course will explore the matrix of insurance companies, financing, patient rights, and physician liabilities as it creates a contemporary illustration of how environmental factors influence and shape our current system. The primary foci will be the delivery, financing, and regulation of healthcare in the US.

HSC 200 - Special Topics in Health Science

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of health science. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

HSC 210 - Ethics in Health Care

Units: 3

GE Designation: I

When Offered: As offered

This course provides grounding in ethical theories and principles as they relate to and impact current healthcare issues and policies. Students are introduced to a variety of frameworks for ethical decision-making and policy analysis. Current trends in the contemporary healthcare arena are analyzed through the use of case studies. Recent healthcare issues are presented including euthanasia, fertility interventions, mental illness, genetic engineering, multicultural issues, economics, public policy, professional ethical codes, and other relevant topics.

HSC 300 - Health Communication

Units: 3**When Offered:** As offered

The purpose of this course is to focus on the use of communication strategies to inform and influence individual and community decisions regarding health. The seminar will focus on the following contexts of health: the multidimensional nature of health communication; understanding empirical research in health communication; behavioral theories in health communication; rhetorical theories in health communication; legal and ethical concerns in health communication; the communication of risk and uncertainty; and the design of health campaigns. Students will be required (a) to research and prepare a health communication strategy for use in a specific context and (b) to design an accompanying print or hypertext document to be used in that context.

HSC 301 - Principles of Health Education

Units: 3**When Offered:** As offered

This is an introductory course that overviews principles of health education. Health education is an academic area that fosters the acquisition of skills and competencies to assist individuals, families, and communities to make informed decisions related to health. This course will introduce students to Certified Health Education Specialist (CHES) credential that is nationally recognized by National Commission on Health Education Credentialing, and will be a fundamental course for students who are preparing for the CHES exam.

HSC 305 - Epidemiology

Units: 3**When Offered:** Fall

Principles and methods used to investigate the distribution, determinants, and prevention strategies for disease in human populations. Major topics include: disease classification, measures of disease frequency and relative effect, comparisons and contrasts of analytic study designs, methods used to isolate effects, statistical significance testing, interpretation of results, and screening for latent disease.

HSC 306 - Pathophysiology for Public Health

Units: 3**When Offered:** As offered

This course introduces students to the basic pathogenesis of disease in human beings. The course will describe the most common disorders as they relate to each major body system while exploring the etiology, risk factors, diagnostic and prognostic procedures of each disease. This course also studies the pathology and general health management of disease and injuries across the human lifespan.

HSC 312 - Environmental and Occupational Health

Units: 3**When Offered:** As offered

This course introduces students to physical, chemical and biological hazards found in the environment and health risks associated with workplace and community exposure to them. Risks to special populations and mechanisms of reducing or controlling these risks are discussed.

Prerequisite(s): HSC 305 and STA 144

HSC 316 - Public Health Promotion, Disease Prevention and Intervention

Units: 3**When Offered:** As offered

This course will discuss approaches to health promotion and disease prevention intervention in different settings, using varied strategies, and for different target groups. It is intended to be practical in nature focusing on the specifics of intervention development and delivery and how these might vary across settings, behaviors and strategies.

Prerequisite(s): HSC 306

HSC 320 - Public Health Nutrition and Physical Activity

Units: 3

When Offered: Online and Professional Studies

This course introduces concepts of nutrition as they relate to nutritional needs, practices and problems throughout the life cycle, nutritional counseling and education of individuals/groups toward health promotion and disease prevention. This course also introduces knowledge, skills and experiences necessary to lead participants in gaining the skills, knowledge, attitudes and behaviors required to lead physically active lifestyles.

HSC 380 - Health Science Seminar

Units: 1

When Offered: As offered

This course will introduce and reinforce the skills necessary to perform research within the health sciences including discussions of the scientific method, literature research, reading scientific journal articles, analyzing scientific data, reporting research findings in both written and oral formats, critiquing original research and science ethics. It will be required to present a research proposal and or locate and prepare all necessary documents for entering an internship, fieldwork, or research opportunity.

Prerequisite(s): Health Science major

HSC 400 - Special Topics in Health Science

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of health science. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

HSC 406 - Food Safety and Consumer Protection

Units: 3

When Offered: Fall

Principles and techniques of quality assurance for food preparation and prevention of food-borne diseases. Sanitary and safe preparation, storage, transportation, and handling of foodstuffs and products both commercially and residentially. Criteria and practical methodology of inspection and surveillance techniques, facilities design, and plan checking. Performance criteria for food handlers, with application to environmental techniques in education, enforcement, and consultation.

Prerequisite(s): HSC 312

HSC 410 - Health Behavior Change

Units: 3

When Offered: As offered

This course addresses the exploration and application of education, psychosocial, and spiritual components of health behaviors. Behavior change theory, principles, predictive models, and their application to health behavior change programs and interventions will be investigated.

HSC 412 - Health and Wellness Coaching

Units: 3

When Offered: Spring

This course is designed to provide a foundational knowledge and skills of health and wellness coaching. An effective health and wellness coach must understand key elements of effective interviewing skills that are core building blocks of optimizing client's motivations for optimal health. The topics discussed include coaching structure, coaching process, health and wellness, and ethics. At the completion of this course, the student will be eligible to take a national certification exam titled 'Health/Wellness Coach' accredited by International Consortium for Health and Wellness Coaching (ICHWC).

Prerequisite(s): HSC 410

HSC 415 - Water, Soil, and Air Quality Inspection and Management

Units: 3

When Offered: Fall

This course introduces students to sources and characteristics of air, soil and water pollutants and their effects on humans and public health. Methods used in sampling of pollutants, controls, and abatement of air, soil and water quality standards and violations will also be discussed. Principles and processes involved in providing safe and adequate water supplies quantity and quality assurance, source and system design, and public health inspection parameters, and public health laws and policies will be included. Procedures and programs for the protection of air, soil, and water sources from contamination including waste management, hazardous materials disposal, and toxicology will also be covered.

Prerequisite(s): HSC 312

HSC 420 - Health Care Policy

Units: 3

When Offered: As offered

The purpose of this course is to provide students with an overview of the healthcare policy process in the United States. Students will gain an understanding of how the healthcare system works and how healthcare policy has been made in the U.S. Review and analysis of current various proposals for healthcare reform will be conducted.

Prerequisite(s): HSC 104

HSC 450 - Curriculum Design in Health Education

Units: 3

When Offered: Online and Professional Studies

This course introduces the theories and skills necessary to develop health education curricula based on analysis of individual, community, and societal needs and interests.

Prerequisite(s): HSC 301 and Junior status

HSC 460 - Planning and Evaluating Health Education Programs

Units: 3

When Offered: As offered

This course addresses the use of planning models and diagnostic techniques to design, deliver, and evaluate health education programs in a variety of settings: school, work site, medical care, and community groups. It will also study the steps in the educational process: conducting behavioral and educational diagnoses; setting behavioral and educational objectives; selecting appropriate intervention strategies; integration and application of behavioral and education theories to interventions; instructional delivery and design skills; and evaluation of education results.

HSC 480 - Research Methods

Units: 3

When Offered: As offered

This course provides an introduction to clinical research design with statistical analysis. The emphasis will be on the student designing her or his practical research project by the end of the semester. Content would include developing the research question, choosing the (1) study design, (2) study subjects, (3) measurements (independent and dependent variables), data management (including designing the data collection form) and statistical analysis (including sample size estimation and power), ethical issues, implementation, and publication of results.

Prerequisite(s): STA 144, and Junior or Senior status

HSC 491 - Internship in Health Science

Units: 1-4

When Offered: As offered

Under the advisement of a faculty member and supervision of health care professional, the student will work or otherwise actively participate in a community-based healthcare setting. Variable units may be earned in any one semester.

Repeatable: May be repeated for a maximum of six (6) units of credit

Prerequisite(s): Health Science major, and Junior or Senior status

HSC 495 - Practicum

Units: 3

When Offered: Fall, Spring, Summer

This course provides a supervised internship in a community-based setting. The student will work in their chosen field of study, under the supervision of a professional, and will periodically report their practicum experience to the instructor to reflect their field experience. The course entails two major components: (1) internship experience, (2) review and assessment of the student's attainment of professional competencies. A total of 90 hours of on-site work, observation, or participation is required.

Prerequisite(s): Senior status and permission of the Department Chair

HSC 499 - Health Science Capstone

Units: 3

When Offered: As offered

The course is designed to be a culminating exercise for students to reflect upon, evaluate, and assimilate knowledge and experience they have gained by participating in a research or internship opportunity prior to this course. Students in the capstone will prepare a presentation (both oral and written) that will focus on that experience.

Prerequisite(s): Senior status and permission of the Department Chair

Pre- or Co- Requisite(s): HSC 480

HUM 213 - Humanities I

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

The course consists of interrelations of history, art, literature, music, and philosophy. It covers the culture-epochs from the Ancient River-Valley Civilizations through the Medieval period.

HUM 223 - Humanities II

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

The course consists of interrelations of history, art, literature, music, and philosophy. It covers the culture-epochs from the Renaissance to contemporary times.

HUM 325 - Culture and the Museum

Units: 3

GE Designation: I, M

When Offered: Fall

The purpose of this course is to explore critically the ways in which at least two of the five areas of the Humanities (Philosophy; Literature; Art; Music; General Historical Culture) are related to the experience of the museum, with specific attention given to the historical importance of the museum as an educational institution. The particular cultural emphases and museum(s) to visit are left to the discretion of the course professor.

HUM 335 - The Holocaust and the Humanities

Units: 3

GE Designation: I

When Offered: Spring

The purpose of this course is to explore critically the ways in which at least two of the five areas of the Humanities (Philosophy; Literature; Art; Music; General Historical Culture) are impacted and interact with the historical experience of the Holocaust. The focus of this course will be on the Philosophy, Literature, Art, and History.

HUM 400 - Special Topics in Humanities

Units: 3

GE Designation: I

When Offered: As offered

This course examines special topics in humanities. Topics are announced each time the course is offered.

Repeatable: May be repeated with change in topic

HUM 401 - Special Studies in Humanities

Units: 1

When Offered: As offered

This course examines special topics in humanities. Topics are announced each time the course is offered.

Repeatable: May be repeated with change in topic

ICS 105 - Introduction to Global Studies

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course addresses the basic elements of the Christian faith in the context of participating in God's global agenda. Topics include Christian worldview, the Kingdom of God, the gospel of Jesus Christ, the work of the Holy Spirit, the mission of the Church, and the role of prayer.

ICS 130 - Intercultural Communications for International Students

Units: 3

GE Designation: I, M

When Offered: As offered

This course is designed to assist international students in understanding and implementing successful intercultural communications theory, integrating successfully into American academic culture, and developing necessary communication skills in order to relate cross-culturally in their academic, professional, and personal lives. The course will also aid the student in interacting with Christian faith.

Prerequisite(s): International Student or Permission of the Dean

ICS 205 - Models of Discipleship

Units: 3

GE Designation: I

When Offered: Fall

This course focuses on learning how to follow Jesus and grow as a Christian with the dual aim of pleasing God and teaching others how to do the same. Various biblical models of Christian growth and training will be explored and implemented within the context of class discussion and small group participation.

Prerequisite(s): 3 units of Biblical Studies or ICS 105 or 305

ICS 305 - Global Perspectives

Units: 3

GE Designation: I, M

When Offered: Spring

A general survey of the redemptive activity of God in the world -- past, present, and future. Topics include the biblical basis of God's global activity, historical perspectives, mission strategies, and cultural implications, as well as contemporary missiological issues.

ICS 325 - Spiritual Formations for Global Engagement

Units: 3

When Offered: As offered

An exploration of biblical principles that are foundational to intimacy with Christ and effective engagement in the mission of Christ. Students will learn to implement these principles in their own lives as they participate in the kingdom of God through global engagement.

Prerequisite(s): Previous Biblical Studies coursework

ICS 375 - Current Events and Movements

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course will examine current political, social, economic and human events in select areas of the world. Students will explore the global impact of these events and will address ways in which the Church can provide positive change.

Prerequisite(s): 3 units of Biblical Studies or ICS 105 or 305

ICS 405 - Marketplace Strategies for Global Advancement

Units: 3

GE Designation: I, M

When Offered: Fall

This course focuses on the market place as it relates to the advancement of Christ's kingdom among the nations. Students will be led to think strategically about making disciples while using their interests and gifts within the context of their major. Attention will also be given to the biblical and historical role of the market place in God's global strategy.

Prerequisite(s): 3 units of Biblical Studies or ICS 105 or 305

ICS 415 - Special Topics in Intercultural Studies

Units: 3

GE Designation: M

When Offered: As offered

An examination of specific area(s) of Intercultural Studies.

Repeatable: May be repeated with change in subject matter

Prerequisite(s): Previous Intercultural Studies coursework

ICS 430 - Intercultural Communications

Units: 3

GE Designation: M

When Offered: Spring

This course will address principles and processes of communication from one culture to another. Attention will be given to different perceptions, ways of thinking, values, verbal and non-verbal expression, and sub-groups within a given culture.

Prerequisite(s): 3 units of Biblical Studies or Intercultural Studies coursework

ICS 431 - Cross-cultural Immersion

Units: 3

GE Designation: M

When Offered: Spring, Summer

This course provides students with the opportunity for supervised cross-cultural immersion and study abroad in order to experience the challenges of serving in an international setting. The immersion experience is designed to create a context for extended and applied learning as the course concepts are integrated into life experiences. Course material will be presented through lectures, small group discussions, reading assignments and cultural immersion with an emphasis on relational development and service.

Prerequisite(s): Permission of the Associate Dean

ICS 435 - Evangelism and Church Planting

Units: 3

GE Designation: M

When Offered: Fall

This course examines the biblical principles of evangelism and church planting. Students will learn to combine the biblical content of the gospel with appropriate skills for sharing the gospel, with the aim of training disciples for the local church. Attention will also be given to strategies of church planting for local and global contexts. Student involvement in evangelistic ministry is expected.

Prerequisite(s): Previous Biblical Studies coursework

ICS 495 - Field Practicum

Units: 3-15

GE Designation: M

When Offered: Fall, Spring, Summer

This course provides Global Studies majors with extended cross-cultural experience through an approved study abroad or domestic program. Students will spend a semester working with resident field personnel. The field practicum provides an opportunity to develop cross-cultural experience while exploring specific geographical, cultural and career areas of interest.

Repeatable: May be repeated for a maximum of fifteen (15) units of credit

Prerequisite(s): Global Studies Major, ANT 225, ICS 105, 205, 305, and Permission of the Associate Dean

IDS 499 - Capstone Portfolio

Units: 1

When Offered: Online and Professional Studies

Students will review their personal and professional development based upon their baccalaureate experiences at California Baptist University. Students will evaluate their growth and development through the program, identify their relative strengths and areas for growth, and develop a personal development plan. Students will demonstrate critical self-reflection and the ability to make judicious, relevant and insightful applicants and professional judgement from their cumulative undergraduate experience.

Grade Type: Pass/Fail

ILL 200 - Special Topics in Illustration

Units: 1-3

When Offered: As offered

This course will explore and present selected topics in illustration.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

ILL 210 - Illustration I

Units: 3

When Offered: Spring

This course builds a working knowledge of the historical and contemporary illustrators and various styles and approaches to the craft. Projects will build important skills in drawing, painting, color theory, storytelling, and typography.

ILL 310 - Illustration II

Units: 3

When Offered: Fall

This course will build a working knowledge of ideation, story building, technique and experimentation with media. Projects will build important art execution skills, as well as technical knowledge in the publishing industry.

Prerequisite(s): ILL 210

ILL 400 - Special Topics in Illustration

Units: 1-3

When Offered: As offered

This course will explore and present selected topics in illustration.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

ILL 410 - Illustration III

Units: 3

When Offered: Spring

This course will focus on figure work, anatomy and perspective as it pertains to character development, figures in motion, understanding Archetypes, and advanced storyboarding.

Prerequisite(s): ILL 310

ILL 499 - Senior Show

Units: 1

When Offered: Spring

This course is designed as a capstone showcase of the student's accumulated body of work while in the program. The Illustration Senior Show will consist of pieces from the student's portfolio.

Prerequisite(s): Senior status and permission of the Department Chair

IND 200 - Special Topics in Interior Design

Units: 1-6

When Offered: As offered

This course explores and presents selected topics in interior design.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

IND 310 - Interior Design Studio I

Units: 6

When Offered: Fall

This course explores the concepts and practices within interior design related to space, planning and culture.

Prerequisite(s): ARC 210

IND 312 - Interior Design Studio II

Units: 6

When Offered: Spring

This course explores the concepts and practices within interior design relating to residential construction including kitchen, bath design, and universal design.

Prerequisite(s): ARC 210

IND 380 - Materials, Finishes, and Sourcing

Units: 3

When Offered: Fall (even years)

This course explores the process of material research and its use in the design of interior space.

Prerequisite(s): ARC 210

IND 400 - Special Topics in Interior Design

Units: 1-6

When Offered: As offered

This course explores and presents non-studio based selected topics in interior design.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

IND 401 - Special Topics in Interior Design Studio

Units: 1-6

When Offered: As offered

This course explores and presents studio based selected topics in interior design.

Repeatable: May be repeated with change in topic for a maximum of twelve (12) units of credit

Prerequisite(s): Permission of the Dean

IND 410 - Interior Design Studio III

Units: 6

When Offered: Fall

This course explores the concepts and practices within interior design related to Commercial and or Health Service interiors including consideration of building codes.

Prerequisite(s): ARC 210

IND 412 - Interior Design Studio IV

Units: 6

When Offered: Spring

This course explores the concepts and practices within interior design related to with advanced design solutions in a variety of settings.

Prerequisite(s): ARC 210

INH 101 - Introduction to International Health

Units: 3

When Offered: As offered

This course will orient students to the socio-cultural and economic influence on population-level variation in health and illness. Students will learn about key players in international health, Ministries of Health, UN agencies, foundations, and NGOs. They will be introduced to the major health problems currently affecting the developing world, and will also learn about the CBU mission, objectives, and initiatives, its local and international partners, and about opportunities to gain experience in international health.

INH 300 - Outbreak and Emergency Preparation and Response

Units: 3

When Offered: As offered

This course is an intensive introduction to public health emergency preparedness and response and covers a number of topics, including: the role of public health in disasters; intentional mass threats; emergency operations planning and exercises; and infectious disease emergency readiness.

INH 305 - Maternal and Child Health in Developing Countries

Units: 3

When Offered: As offered

This course provides an overview of the critical health problems of women, adolescents, and children in resource limited settings and examines programmatic interventions and practical strategies that respond to those problems. The

course covers MCH proposal development, community involvement and program implementation and management. Students will acquire skills in assessing and understanding health issues among women, adolescents and children in a community, setting measurable MCH objectives, planning and evaluating appropriate and culturally-relevant interventions, and involving communities in these processes.

INH 320 - Population Health and Family Planning

Units: 3

When Offered: As offered

This class provides an introduction to the wide range of global health challenges facing countries today such as the measurement of health status, infectious and chronic diseases, injuries, nutrition, reproductive health, global environmental health and complex emergencies. This class will also include discussion of family planning methods and implications both in the United States and globally; focusing on topics such as the declining population, gender and health, contraception, health policy and implications regarding family planning as well as the discussion of the Millennium Development Goals (MDG's).

JRN 150 - Media and Society

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

Functions, responsibilities, and influence of various mass media and emerging forms of niche media in society. Students review the theories, structures, functions, practices, economics, critical analyses, and historical aspects of mass media and its social responsibility in society.

JRN 170 - Writing for Mass Media

Units: 3

When Offered: Fall, Spring

An introduction to mass media writing. Students will utilize journalistic reporting, editing and writing for mass audiences intended for distribution across electronic and print media outlets.

Prerequisite(s): ENG 113

JRN 200 - Special Topics in Journalism

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of Journalism. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

JRN 210 - Digital Photography

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course introduces students to the equipment, techniques, and practicalities of photography. Students learn that photography strikes a balance between craft, form, content/concept, emotion and expression as they become active and critically informed image-makers. Basic aesthetic concerns will be examined, including the exploration of image-making and presentation techniques.

JRN 216 - Digital Storytelling

Units: 3**When Offered:** Fall, Spring

This course prepares the student to work in the new media marketplace, where online and digital platforms are as important as traditional print media by incorporating audio and video components to storytelling. Instructional goals are to enhance awareness of broadcast journalism elements and skills; to introduce an understanding of ethics, standards and legalities of producing and publishing broadcast pieces; and to provide knowledge and skills necessary to develop audio and video components of multimedia journalism.

JRN 220 - Podcasting and Broadcasting Principles**Units: 3****When Offered:** Online and Professional Studies

This course is a study on the field of broadcasting within the form of a podcast. The evolution of this new form of media and the impact it has had in the field of journalism will be explored. Instructional goals are to enhance awareness of new broadcast journalism-podcast; to increase the ability to identify effective podcast episodes and demonstrate an understanding of the ethics, standards, and legalities of producing and publishing podcast episodes; to enhance the ability to employ reason and logic as tools for discerning the evolution of the field of broadcast journalism; and to provide knowledge and skills necessary to work on a podcast team.

JRN 253 - News Editing and Design**Units: 3****GE Designation:** I, M**When Offered:** Online and Professional Studies

Principles and practice of newspaper editing, copy improvement, headline writing, news photos and cutlines, wire services, typography, copy schedules and control, page design and layout.

Prerequisite(s): ENG 113**JRN 254 - Publication Layout and Design****Units: 3****GE Designation:** I, M**When Offered:** Fall, Spring

Principles and practical experiences in layout and design, including copy, typography, photos and cutlines, and developing pre-press documents to provide practical knowledge of state-of-the-art publishing technology.

JRN 310 - Advanced Digital Photography**Units: 3****When Offered:** Fall (even years)

Journalistic examination of elements of excellent photographic principles. Attention will be given to the development of artistic and technical skills such as composition, focus, lighting techniques, and photo editing, as well as personal skills, such as relating to subjects, reporters, and editors. An excellent photograph provides insight into written stories, and many times the stories are told more effectively with pictures. This course will teach the art of telling a story with pictures.

Prerequisite(s): JRN 210**JRN 312 - Magazine and Feature Writing****Units: 3****GE Designation:** I, M

When Offered: Fall, Spring

Planning, gathering material, writing and preparation of articles for specialized and general media publications, with emphasis on the magazine article and newspaper feature; includes overview of the magazine market. Laboratory and field work. Students may only earn credit for either JRN 312 or JRN 350.

Prerequisite(s): JRN 170

JRN 315 - News Reporting

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

Practice in gathering information, conducting interviews and using online databases in writing and reporting news stories. Emphasis on style, clarity, accuracy, responsibility in handling the reporting of news. Laboratory and fieldwork.

Prerequisite(s): JRN 170

JRN 320 - Media Law, Ethics and Copyright

Units: 3

When Offered: Fall, Spring

An introduction to the ethical and legal aspects of public relations and journalism, including print, online and broadcasting. Students will gain practical insight into the field through review of real-world case studies and materials on ethics, policies and law.

JRN 340 - Sports Writing

Units: 3

When Offered: Fall (even years)

Students learn how to write a sports story, examining issues from race and gender to hero worship and sportsmanship, as well as trends and philosophies and the ethics of what sports journalists do and why they do it. Students will gain experience in covering games; writing for major and minor sports; interviewing; finding feature stories; columns; legal aspects of sports reporting; and covering breaking news in sports.

Prerequisite(s): JRN 170

JRN 349 - Editing for Print and Online Media

Units: 3

GE Designation: I

When Offered: Fall, Spring

A course involving students in an in-depth study of procedures of copy editing for newspapers, magazines and online media. Through assignments and exercises, students will develop superior skills in grammar and word usage, punctuation, spelling, style, fact-checking, use of reference books, and writing headlines and captions. Students will practice substantive editing, and proofreading for print and online media. The special conditions of the increasingly important Internet to copy editors will be demonstrated.

Prerequisite(s): ENG 113 or JRN 170

JRN 350 - Magazine Writing

Units: 3

GE Designation: I, M

When Offered: Online and Professional Studies

Development of versatile writing and research skills for selected print media, with emphasis on magazine article and newspaper feature, includes overview of magazine market. Students may only earn credit for either JRN 312 or JRN 350.

JRN 360 - Audio Newsgathering

Units: 3

When Offered: Fall (odd years)

This course provides students opportunities to participate in the production of radio news stories and newscasts, using professional principles, aesthetics, ethics, and practices of journalistic audio reporting, producing in-field and project assignments.

Prerequisite(s): JRN 216

JRN 370 - Social Media Strategies

Units: 3

When Offered: Fall

This course provides students opportunities to analyze, use and produce content for current and emerging social media, such as Twitter, Facebook, Tumbler, YouTube, Reddit and other professional business platforms.

JRN 371 - Applied Journalism Production

Units: 3

When Offered: Online and Professional Studies

The purpose of this course is to prepare students to be a skilled journalist. The type of journalism covered will be newspaper and magazine writing, business writing, website-style writing and freelance writing. Students will learn to analyze published material.

JRN 380 - Video Newsgathering

Units: 3

When Offered: Spring (even years)

This course provides students opportunities to participate in the production of television news stories and newscasts, using professional principles, aesthetics, ethics, and practices of journalistic video reporting, producing in-field and project assignments.

Prerequisite(s): JRN 216

JRN 397 - Publication Seminar

Units: 3

When Offered: Fall, Spring

Prepares students to produce high-quality publications. Students will learn to work within the guidelines of the university, the publisher of the campus publications, to produce the Angelos yearbook, Banner newspaper or Pursuit magazine. Creating and publishing student-run campus publications will provide an opportunity for students to learn production skills, including editing, interviewing, writing, layout and design, photography, audio, videography, and management skills that will be vital tools for careers in media. Laboratory and field work.

Repeatable: May be repeated once for credit

JRN 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

JRN 400 - Special Topics in Journalism

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of journalism. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

JRN 410 - Photo Editing

Units: 3

When Offered: Spring (odd years)

Advanced journalistic still and video photography emphasizing photo editing, including specialized techniques in lighting, flash, and related skills to teach students how to capture a journalistic story in digital formats.

Prerequisite(s): JRN 210

JRN 414 - Social Documentary

Units: 3

When Offered: Fall (odd years)

A social documentary is photos and video with a purpose -- used to train, teach, motivate, shock, inspire, and raise awareness, consciousness, and funds. As the internet provides more opportunities for the independent journalist and activist groups to form global alliances, the social documentary becomes an increasingly powerful tool for social change. Primary concern will be portfolio-quality, single storytelling pictures, and multiple picture packages, including picture stories. Deadline pressure is emphasized, as well as trends, social implications, and portfolio preparations.

Prerequisite(s): JRN 210

JRN 420 - Public Relations Writing, Campaigns, and Strategies

Units: 3

When Offered: Online and Professional Studies

This course will prepare students with skills and an understanding of writing, campaigns and research to meet public relations goals for a variety of audiences through various forms of media.

JRN 430 - Multimedia Reporting, Editing, and Producing

Units: 3

When Offered: Fall

This course prepares the student to work as a journalist in today's newsrooms, where the online and digital platforms are at least as important as the traditional print or broadcast platforms. The emphasis is on gathering assets in the field (text, photographs, video, audio) and then using those assets to tell a comprehensive story.

Prerequisite(s): JRN 216

JRN 440 - Writing Columns and Blogs

Units: 3

When Offered: Spring (odd years)

Principles and practices of writing in the shorter forms of journalism, including editorials and opinion essays for print, electronic and online media outlets. Includes writing columns, blogs, opinion-page articles, and reviews of theater, music, books, and film.

Prerequisite(s): JRN 170

JRN 450 - Internship in Journalism

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, students will be assigned to a position, utilizing principles of journalism acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of journalism as a whole.

Prerequisite(s): Permission of the Department Chair

JRN 451 - Internship in Journalism

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, students will be assigned to a position, utilizing principles of journalism acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of journalism as a whole.

Repeatable: May be repeated for up to three (3) total units of credit

Prerequisite(s): JRN 450 and permission of the Department Chair

JRN 460 - Investigative Reporting

Units: 3

When Offered: Fall (even years)

The tradition of investigative reporters, who uncover facts and write articles that expose waste, wrongdoing, mismanagement, fraud, conflict of interest and abuse of authority, and promote change and reform, has a long and proud history that stands alongside more conventional journalistic practices. Students are provided with reportorial skills and techniques required by journalists who develop articles of substance and depth in specialized areas, with emphasis given to research, analysis, and interpretation of complex issues in writing for publication.

Prerequisite(s): JRN 170

JRN 470 - Reporting and Producing for Broadcast Media

Units: 3

When Offered: Spring (odd years)

This course is designed to improve and expand the news gathering and writing skills of the media student, further developing understanding of broadcast news writing, news judgment and construction of broadcast news stories, as well as social responsibility and an ethical framework for broadcast journalists.

Prerequisite(s): JRN 360 or 380

KIN 101 - Orientation to the Discipline

Units: 1

When Offered: As offered

This course is designed to introduce students to the basic skills necessary for academic success in the discipline of

Kinesiology and to provide students with an overview of professions in which that major may be applied.

Grade Type: Pass/Fail

KIN 106 - Volleyball

Units: 1

When Offered: Fall, Spring

Instruction in the basic rules, skills and equipment related to lifelong participation in volleyball.

Repeatable: This course is not repeatable for credit

KIN 107 - Cross Training

Units: 1

When Offered: Fall, Spring

Instruction in multiple and varied activities intended to improve the five components of personal health related fitness.

Repeatable: This course is not repeatable for credit

KIN 108 - Swimming

Units: 1

When Offered: Fall, Spring

A general swimming course designed to teach basic water safety and beginning to intermediate level swimming strokes.

Repeatable: This course is not repeatable for credit

KIN 109 - Lifesaving

Units: 1

When Offered: Fall, Spring

A lifesaving course designed to meet American Red Cross life guarding certification requirements.

Repeatable: This course is not repeatable for credit

KIN 110 - Physical Activity

Units: 1

When Offered: Fall, Spring

Physical activity courses include a combination of cognitive and psychomotor, and affective skills designed to enhance the student's ability to participate in a lifelong fitness activity.

Repeatable: This course is not repeatable for credit

KIN 112 - Tennis

Units: 1

When Offered: Fall, Spring

Instruction in the basic rules, skills, and equipment related to lifelong participation in tennis.

Repeatable: This course is not repeatable for credit

KIN 113 - Golf

Units: 1

When Offered: As offered

Instruction in the basic rules, skills, equipment, and etiquette related to lifelong participation in golf.

Repeatable: This course is not repeatable for credit

KIN 114 - Walking and Running for Fitness

Units: 1

When Offered: Fall, Spring

Instruction in exercise program development related to improvement cardio respiratory fitness.

Repeatable: This course is not repeatable for credit

KIN 115 - Weight Training

Units: 1

When Offered: Fall, Spring

Instruction in introductory strength training principles and techniques, as well as fitness-related nutritional topics.

Repeatable: This course is not repeatable for credit

KIN 116 - Bowling

Units: 1

When Offered: Fall, Spring

Instruction and practice in the basic skills related to lifelong participation in bowling.

Repeatable: This course is not repeatable for credit

KIN 117 - Self Defense I

Units: 1

When Offered: Fall, Spring

Instruction in the basic skills of unarmed self-defense. This includes the use of blocking, shifting, punching, striking, and kicking. Subsequent enrollment in KIN 118 will provide an opportunity for added skill development.

Repeatable: This course is not repeatable for credit

KIN 118 - Self Defense II

Units: 1

When Offered: As offered

Designed for the student wishing to review basic self defense skills and begin work on intermediate skills in unarmed self defense. This course is not repeatable for credit.

Prerequisite(s): KIN 117

KIN 119 - Bicycling

Units: 1

When Offered: As offered

Instruction in bicycling safety, maintenance and repair, and cycling techniques related to lifelong participation in cycling.

Repeatable: This course is not repeatable for credit

KIN 121 - Outdoor Adventure

Units: 1

When Offered: Fall, Spring

Instruction in the design, implementation, and leadership of adventure activities and programs. A field trip is required.

Repeatable: This course is not repeatable for credit

KIN 122 - Aerobics

Units: 1

When Offered: As offered

This course is designed to teach students the proper technique for step aerobics as well as introduce them to various forms of lifetime aerobic activity.

KIN 200 - Special Topics in Kinesiology

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of Kinesiology. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

KIN 201M - Men's Varsity Basketball

Units: 1

Grade Type: Pass/Fail

KIN 201W - Women's Varsity Basketball

Units: 1

Grade Type: Pass/Fail

KIN 202M - Men's Varsity Baseball

Units: 1

Grade Type: Pass/Fail

KIN 203M - Men's Varsity Swimming

Units: 1

Grade Type: Pass/Fail

KIN 203W - Women's Varsity Swimming

Units: 1

Grade Type: Pass/Fail

KIN 204M - Men's Varsity Waterpolo

Units: 1
Grade Type: Pass/Fail

KIN 204W - Women's Varsity Waterpolo

Units: 1
Grade Type: Pass/Fail

KIN 205M - Men's Varsity Wrestling

Units: 1
Grade Type: Pass/Fail

KIN 205W - Women's Varsity Wrestling

Units: 1
Grade Type: Pass/Fail

KIN 206M - Men's Varsity Soccer

Units: 1
Grade Type: Pass/Fail

KIN 206W - Women's Varsity Soccer

Units: 1
Grade Type: Pass/Fail

KIN 207W - Women's Varsity Softball

Units: 1
Grade Type: Pass/Fail

KIN 208W - Women's Varsity Volleyball

Units: 1
Grade Type: Pass/Fail

KIN 209M - Men's Varsity Cheerleading

Units: 1
Grade Type: Pass/Fail

KIN 209W - Women's Varsity Cheerleading

Units: 1
Grade Type: Pass/Fail

KIN 210 - Applied Physical Activity

Units: 2

When Offered: As offered

A combination of theoretical classroom and practical instruction designed to teach students how to coach or instruct various sport activities. Subject areas may include baseball, basketball, football, soccer, tennis, and more.

KIN 212 - First Aid and Safety

Units: 1

When Offered: Fall, Spring

Theory and practice for prevention and care of accident or sudden illness. The course meets the requirements for Red Cross, CPR, and First Aid Certificates. Students may only earn credit for either KIN 212 or KIN 312.

KIN 212W - Women's Varsity Dance

Units: 1

Grade Type: Pass/Fail

KIN 213 - Community Emergency Response Team Training

Units: 1

When Offered: As offered

The purpose of Community Emergency Response Team (CERT) training is to provide students who complete the course with the basic skills they will need to respond to their community's immediate needs in the aftermath of a disaster, when emergency services are not immediately available. By working together, CERTs can assist in saving lives and protecting property using the basic techniques in the course.

KIN 213M - Men's Varsity Cross Country

Units: 1

Grade Type: Pass/Fail

KIN 213W - Women's Varsity Cross Country

Units: 1

Grade Type: Pass/Fail

KIN 215M - Men's Varsity Golf

Units: 1

Grade Type: Pass/Fail

KIN 215W - Women's Varsity Golf

Units: 1

Grade Type: Pass/Fail

KIN 253 - Functional Movement Anatomy

Units: 3

When Offered: Online and Professional Studies

A study of the creation and maintenance of human movement through the muscular, skeletal, and nervous system. Emphasis is on gross motor movement specific to physical activity and sport, with attention to motor dysfunction.

KIN 264 - Movement Anatomy

Units: 3

GE Designation: I

When Offered: Fall, Spring

A study of the muscle and bone structure of the human body and how they work together to create movement.

Emphasis is on the function of specific muscles and bones in creating defined movement.

Prerequisite(s): BIO 153

KIN 274 - Applied Movement Anatomy

Units: 3

GE Designation: I

When Offered: Fall, Spring

Continued study of the muscle and bone structure of the human body. Heavy emphasis is placed on the biomechanical laws of movement.

Prerequisite(s): KIN 264

KIN 298 - Extended Field Experience in Kinesiology

Units: 12

When Offered: As offered

A full-time field experience course for students who will be engaged in a pre-approved educational or professional position away from campus enhancing the student's knowledge and skills within the broad field of Kinesiology.

Prerequisite(s): Approval of the Department Chair

KIN 300 - Nutrition Science

Units: 3

When Offered: Fall, Spring

Includes the study of principles of modern nutrition, the importance of a scientific knowledge of nutrition, specific food nutrients, nutritional controversies, and a study of convenience foods and their impact on present day diets.

KIN 301 - Sport Coaching and Officiating

Units: 3

When Offered: As offered

An introduction to the skills needed to successfully coach and officiate an individual or team sport at any of the various levels of competition (youth - college).

KIN 302 - Contemporary Health Issues

Units: 3

GE Designation: I

When Offered: Fall, Spring

Major areas include personal, family, and community health, including the effects of alcohol, dangerous drugs and

narcotics, degenerative and infectious diseases, and tobacco on the human body. Exploration of community resources related to health issues is offered. Meets California Teacher Credential requirements.

KIN 303 - Foundations of Kinesiology

Units: 3

When Offered: Fall, Spring

A study of the historical, philosophical, and scientific foundations of Kinesiology. Emphasized is a critical view of the nature and spectrum of the discipline.

KIN 304 - Introduction to Athletic Training

Units: 3

When Offered: As offered

This course is designed to introduce the student to the vocabulary, theories, principles, and skills involved with the profession of athletic training. A special emphasis is placed on the Athletic Training profession including the various healthcare professions and responsibilities, administration, and legal concerns; risk management including nutritional concerns, protective equipment, and prophylactic taping, wrapping, and bracing; Acute Injury Management including emergency care and universal precautions; and basic Healthcare Administration. While the course content is directed to the preparation of students who would like to pursue future education in an entry-level graduate athletic training program, it is also pertinent to other therapeutic and sports medicine related sub-disciplines.

KIN 305 - Applied Sport Management

Units: 3

GE Designation: I

When Offered: Fall

A study of basic management principles and their application to the field of sport.

KIN 312 - Emergencies in Sports Medicine

Units: 3

When Offered: As offered

This course prepares the student to be a First Responder and ready to give emergency care required for catastrophic and/or life-threatening injuries and illnesses to physically active individuals. Completion of this course provides certification in professional rescuer CPR, Bloodborne pathogens, AED and First Aid. Students may only earn credit for either KIN 212 or 312.

KIN 315 - Sport Governance

Units: 3

When Offered: Spring

This course is an examination of sport organizations focused on both professional and amateur governance structures and processes. The study of policy in educational, non-profit, professional and international sport venues will also be addressed.

KIN 332 - Lifelong Motor Development

Units: 3

GE Designation: I

When Offered: Fall, Spring

A study of the physical growth and development of humans and how it interacts with and influences motor learning and performance.

KIN 353 - Care and Prevention of Athletic Injuries

Units: 3

When Offered: Fall, Spring

A course providing instruction and experience in the prevention and care of injuries incurred in athletics. Methods of taping, therapy, health habits, and protective equipment are considered.

Prerequisite(s): KIN 253 or 264

KIN 363 - Movement Experiences for Children

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

A study of the physical needs of elementary school age children. Emphasis is on physical growth and development, basic movement skills, and the designing of movement programs for children.

KIN 383 - Exercise Physiology

Units: 3

When Offered: Fall, Spring

Physiological principles of exercise. Topics include the responses and adaptations of the neuromuscular system, bioenergetics, and the endocrine, cardiovascular and pulmonary systems to exercise.

Prerequisite(s): BIO 153

KIN 393 - Applied Exercise Physiology

Units: 3

GE Designation: I

When Offered: Fall, Spring

A continuation of Exercise Physiology. Topics include applied exercise physiology, gender considerations, environmental exercise physiology, and ergogenic aids.

Prerequisite(s): KIN 383

KIN 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

KIN 400 - Special Topics in Kinesiology

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of Kinesiology. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

KIN 402 - Diversity in Sport and Physical Activity

Units: 3

GE Designation: M

When Offered: Fall

A historical analysis and introduction to physical activity, games, and cultural activities from around the world. Students will be active in the participation and implementation of activities.

KIN 404 - Movement Experiences for Middle School Students

Units: 3

When Offered: Fall

An introduction to standards-based middle school physical education curriculum is provided. Emphasis is on designing a curriculum that emphasizes working cooperatively to achieve a common goal, meeting challenges, making decisions, and working as a team to solve problems. Course includes both classroom and physical activities.

KIN 414 - Methods of Teaching Sport Activities

Units: 3

When Offered: Spring

Introduction to subject matter content, teaching methods, and technique related to the design and implementation of a high school physical education curriculum. Course focuses on the California physical education content standards for High School Course 1 and Course 2.

KIN 423 - Organizations and Administration of Physical Education

Units: 3

When Offered: Spring

A study of possible administrative challenges in departments of physical education as well as departmental organization and facilities use.

KIN 433 - Sports and Activities Practicum

Units: 3

When Offered: Fall, Spring, Summer

Practical field experience in a professional Kinesiology setting. Students must arrange the field experience under the guidance and approval of the Kinesiology Department Chair.

Prerequisite(s): Junior, Senior, or Graduate status and permission of the Department Chair

KIN 454 - Behavioral Aspects of Sport

Units: 3

GE Designation: I

When Offered: Fall, Spring

A study of the sociological and psychological impact of physical activity on humans. The psychological factors of self-perception, motivation, cooperation, and competition will be examined and used as descriptors to illustrate the idea of sport as an institution of society.

KIN 473 - Research Methods and Evaluation in Kinesiology

Units: 3

When Offered: Fall, Spring

This course provides an introduction to research design that prepares the student to develop relevant questions and hypotheses in kinesiology, and to collect, analyze, and make application of empirical data through scientific writing.

Prerequisite(s): KIN 383

KIN 480 - Fitness Assessments and Exercise Prescription

Units: 3

When Offered: Fall, Spring

Study and practice of concepts and techniques for evaluating physical fitness. Topics include health and medical histories, liability concerns, blood pressure, graded exercise stress testing, ECG recording and basic interpretation, strength assessment, body composition analysis, pulmonary function tests, CHD risk-factor analysis and health risk appraisal.

Prerequisite(s): KIN 383

KIN 490 - Principles of Conditioning Athletes

Units: 3

When Offered: Fall, Spring

A study of the physiological and biomechanical basis of conditioning for different sports. Topics include bioenergetics, specificity of training, periodization, and organization and administration of the strength and conditioning facility.

Prerequisite(s): KIN 274 and 383

LAT 115 - Latin I

Units: 3

When Offered: Fall

This course is the first half of an introduction to Latin based upon ancient authors. In this course the student is introduced to basic forms, structures, vocabulary, and etymologies of Latin and its relationship to English and other modern languages.

LAT 125 - Latin II

Units: 3

When Offered: Spring

This course is the second half of an introduction to Latin based upon ancient authors. In this course the student is introduced to more advanced forms, structures, vocabulary and etymologies of Latin and its relationship to English and other modern languages.

Prerequisite(s): LAT 115

LAT 215 - Latin Literature I

Units: 3

GE Designation: M

When Offered: As offered

This course is the first half of the advanced Latin literature sequence. In this course the student masters the more complex points of Latin grammar and prosody and learns to identify the distinctive styles, syntax, and diction of major classical and Medieval Latin authors.

Prerequisite(s): LAT 125

LAT 225 - Latin Literature II

Units: 3

GE Designation: M

When Offered: As offered

This course is the second half of the advanced Latin literature sequence. In this course the student masters the ability to sight translate classical and post-classical Latin into fluent English and to identify and assess the divergent purposes, beliefs, and ideas of major classical, Medieval, and Renaissance Latin authors.

Prerequisite(s): LAT 215

LBS 498 - Capstone Portfolio

Units: 1

When Offered: As offered

Students will review their personal and professional development based upon their baccalaureate experiences at California Baptist University. Students will evaluate their growth and development through the program, identify their relative strengths and areas for growth, and develop a personal development plan. Students will demonstrate critical self-reflection and the ability to make judicious, relevant and insightful applications and professional judgment from their cumulative undergraduate experience.

Grade Type: Pass/Fail

LBS 499 - ESM Capstone Portfolio

Units: 1

When Offered: As offered

This capstone course serves to assess the subject matter competence of students completing the Elementary Subject Matter Program. Students will enroll in this course with the recommendation of their ESM advisor and/or with the approval of the Director of Liberal Studies during the semester in which they plan to present their Portfolio for assessment, usually the semester in which they complete their course work for the program.

Grade Type: Pass/Fail

LDR 305 - Leadership Seminar

Units: 1

When Offered: Fall, Spring

Students will evaluate a range of topics related to the challenges of leading and developing essential skills to exercise leadership in their personal and professional pursuits.

Repeatable: May be repeated for credit with change in topic

LDR 310 - Leadership Theory

Units: 3

When Offered: As offered

The purpose of this course is to equip students with skills necessary for successful leadership in public, private, and non-governmental organizations. Emphasis is on assessment of personal growth needs and enhancement of administrative skills including communication, decision-making, motivation, leadership styles, and team building. Experiential class work will be utilized in conjunction with classic and current organizational literature so that students can appreciate the bridge linking theory and practice. Students completing this course for credit may not also earn credit for BUS 435.

LDR 330 - Personal Leadership

Units: 3

When Offered: As offered

This course introduces the student to the concepts of personal leadership and helps identify the skills and strategies that the student may employ to effectively lead.

LDR 350 - Communication Principles for Leadership

Units: 3

When Offered: As offered

This course provides an analysis of the principles of communication in the workplace. Students will learn basic communication theories, strategies, and processes as they relate to the modern organizational structure. We will be examining the nature and process of communication in modern organizations, including pragmatic implications of organizational communication theories as they relate to understanding organizations, and implementing change strategies. The course will also compare contemporary principles of leadership with the contemporary literature on communications.

LDR 410 - Ethical and Biblical Principles for Leadership

Units: 3

When Offered: As offered

This course evaluates the principles for practicing ethical judgments and behavior that confront those in leadership positions. Students will evaluate various ethical frameworks and survey the Bible to explore and develop principles and habits for Biblically-based leadership practices. The course will also compare Biblical principles of leadership with the contemporary literature on leadership and ethics.

LDR 430 - Decision Making and Leadership

Units: 3

When Offered: As offered

This course explores various biases, common heuristics, and social dynamics that often lead to faulty decisions and evaluates strategies and tactics to safeguard the decision making process so as to enhance the probability of implementing good decisions. Students will also study the creative process and models for making wise decisions that optimize personal and collective outcomes.

LDR 450 - Culture and Leadership

Units: 3

When Offered: As offered

This course deepens the student's understanding of principles of collaboration, modeling positive behavior, and mentorship in relation to diverse groups, communities, and individuals. Students will evaluate various effective strategies for fostering and nurturing diversity best practices. The course will also have students appreciate the differences of individuals and how to capitalize on those differences as strengths.

LDR 470 - Group and Leadership

Units: 3

When Offered: As offered

Effective groups and teams are critical in modern organizations, yet there are often dysfunctional dynamics and processes within the group. This course will provide the student with fundamental concepts relating to group dynamics, group decision making, and interpersonal conflict. Special attention will be paid to diversity in this class. Students will gain a better understanding of dynamics of group interaction in professional and social settings. Understanding the

dynamics of small group interaction and having an understanding of some of the techniques for solving conflict and improving communication toward future benefits. This course will provide the platform necessary for the student to engage in accurate communication of ideas which can influence other behavior.

LDR 491 - Internship

Units: 3

When Offered: As offered

Under the supervision of a faculty member and representative from the sponsoring organization, students will utilize the internship to develop and demonstrate the principles and skills introduced in the Leadership Studies courses.

MAT 095 - Elementary Algebra

Units: 3

When Offered: Fall, Spring

This course is designed to prepare a student who is not ready for college algebra. There is no prerequisite. This course will include instruction in the following areas: The real number system, linear equations and inequalities, linear graphs, exponents and polynomials, and rational expressions. Math placement will be determined by SAT or ACT or math placement test scores.

Grade Type: Pass/Fail

MAT 101 - Orientation to the Discipline

Units: 1

When Offered: Spring

This course is designed to introduce students to the basic skills necessary for academic success in the discipline of Mathematics and to provide students with an overview of professions in which that major may be applied.

Grade Type: Pass/Fail

MAT 115 - Intermediate Algebra

Units: 3

When Offered: Fall, Spring

This course satisfies the math competency for the general education requirements. It will include instruction in the following areas: roots and radicals, quadratic equations and inequalities, graphing relations and functions, systems of equations and inequalities, and matrices and determinants.

Prerequisite(s): MAT 095 or sufficient SAT, ACT or math placement exam scores

MAT 123 - Survey of Mathematics

Units: 3

When Offered: Fall, Spring

This is a survey course covering the topics of critical thinking skills, inductive reasoning, problem solving, sets, logic, number theory, algebra, graphs and functions, systems of linear equations and inequalities, euclidean and non-euclidean geometry, groups, finance, probability, and statistics. The course is designed to expand into a variety of areas which students in the arts may find more applicable.

Prerequisite(s): MAT 095 or sufficient SAT, ACT or math placement exam scores

MAT 125 - Mathematical Concepts and Applications I

Units: 3

When Offered: Fall

This course will include instruction in the following areas: critical thinking, sets, systems of numeration, number theory, the real number system, algebra, graphs, and functions. Students will analyze complex problems, apply logical reasoning techniques learned from the above-mentioned areas, evaluate the truth of mathematical statements, and apply different solution strategies. This course will partially fulfill the requirements for a Liberal Studies waiver.

Prerequisite(s): MAT 115 or sufficient SAT, ACT or math placement exam scores and appropriate high school mathematics background

MAT 127 - Mathematical Concepts and Applications II

Units: 3

When Offered: Spring

This course will include instruction in the following areas: critical thinking, two and three dimensional geometry, representational systems, methods for determining measurement, statistics, data analysis, and probability. Students will analyze complex problems, apply logical reasoning techniques learned from the above-mentioned areas, evaluate the truth of mathematical statements, and apply different solution strategies.

Prerequisite(s): MAT 125

MAT 135 - Pre-Calculus

Units: 3

When Offered: Fall, Spring

This course is designed to prepare a student for Calculus I. It will include instruction in the following areas: review of systems of equations and inequalities, functions and their graphs, sequences, induction, counting, probability, trigonometry, analytical geometry, and pre-calculus material.

Prerequisite(s): MAT 115 or sufficient SAT, ACT or math placement exam scores and appropriate high school mathematics background

MAT 145 - Mathematical Methods in the Natural Sciences

Units: 4

When Offered: Spring

A calculus-based course including an introduction to derivatives and integrals, dimensional analysis, analytical geometry, trigonometry, vectors, experimental error and other topics to provide a mathematical foundation for natural science majors.

Prerequisite(s): MAT 115, 135, or sufficient SAT, ACT or math placement exam scores and appropriate high school mathematics background

MAT 154 - Statistics for Nursing and Healthcare

Units: 3

When Offered: As offered

An introduction to statistics for Nursing majors that includes an introduction to epidemiology and clinical trials in addition to a study of principles of statistical decision theory, descriptive measurements, probability concepts, random variables, normal distribution, inferential statistics, sampling distributions, confidence intervals, hypothesis testing, chi-squared procedures, linear regression, and the use of computers in statistics.

Prerequisite(s): MAT 115 or RN-level nursing license.

MAT 200 - Special Topics in Mathematics

Units: 1-3

When Offered: Offered upon sufficient demand

Various appropriate topics of different concentrations are offered each time.

Repeatable: May be repeated with different subject matter. Student involvement in selection of topics is strongly encouraged.

MAT 245 - Analytical Geometry and Calculus I

Units: 4

When Offered: Fall, Spring

Basic concepts of analytical geometry, limits and derivatives, differentials and rates, integration, definite and indefinite integrals, differentiation of logarithmic and exponential functions.

Prerequisite(s): MAT 135, 145, EGR 182, or sufficient SAT, ACT or math placement exam scores and appropriate high school mathematics background

MAT 250 - Modeling and Applications of Calculus

Units: 2

When Offered: Spring

The study of symbolic languages, such as Mathematics, Maple, and MATLAB, for the use and application in Calculus and modeling courses.

Prerequisite(s): MAT 245

MAT 255 - Analytical Geometry and Calculus II

Units: 4

When Offered: Fall, Spring

Continued study and applications of integration: volumes, lengths, surface of revolution; derivatives and integrals involving trigonometric functions, infinite series, expansion of functions, hyperbolic functions, law of the mean, partial fractions, polar coordinates, and conic sections.

Prerequisite(s): MAT 245

MAT 303 - Linear Algebra with Applications to Differential Equations

Units: 3

When Offered: Fall

This course is designed to teach students some of the basic computational skills of Linear Algebra in the context of Differential Equations. Students will learn to use the basic operations of matrices, study systems of linear equations and find the determinant, eigenvalues and eigenvectors of a matrix. The student will apply these tools in the qualitative study of solutions to systems of Differential Equations.

Prerequisite(s): MAT 255

MAT 313 - Mathematical Proof and Structures

Units: 3

GE Designation: I

When Offered: Fall, Spring

A study of various methods of proofs and mathematical structures covering logic, universal and existential quantifiers, sets, functions, and selected topics in discrete mathematics, linear algebra, abstract algebra, and real analysis. This is a bridge course to abstract mathematics and should be taken prior to or concurrently with courses in linear or abstract

algebra, and real or complex analysis.

Prerequisite(s): MAT 245

MAT 323 - Abstract Algebra I

Units: 3

When Offered: Spring

An introduction to the structure of algebraic systems such as groups, subgroups, cosets, homomorphisms, factor groups, rings and fields.

Prerequisite(s): MAT 313

MAT 333 - Complex Variables

Units: 3

When Offered: Spring

Structure of complex numbers and their functions, analytic, harmonic, and elementary functions, residue theory, and conformal mapping.

Prerequisite(s): MAT 313

MAT 342 - Fundamentals of Multivariable Calculus and Differential Equations for Engineers

Units: 3

When Offered: Spring

Students will learn basic concepts of Linear Algebra and multivariable calculus in the context of differential equations. Analytic and numerical methods of solving ordinary differential equations will be discussed. Furthermore, students will be briefly introduced to the qualitative theory of ordinary differential equations. Separation of Variables will be discussed as a method for solving partial differential equations as well as some other methods. Problems discussed in class will have applications in engineering, physics, biology, and chemistry.

Prerequisite(s): MAT 255 and Pre-Chemical Engineering or Chemical Engineering

MAT 343 - Multivariable Calculus

Units: 4

When Offered: Fall, Spring

Study and applications of vector analysis, partial differentiation, multiple integration, Jacobians, theorems of Green and Stokes, and divergence theorem.

Prerequisite(s): MAT 255

MAT 353 - Probability and Statistics

Units: 3

When Offered: Fall

A calculus based course covering discrete and continuous distributions, expectations, the normal distribution, the central limit theorem, the binomial distribution, and various topics in statistical theory such as point estimation, hypothesis testing, and linear regression.

Prerequisite(s): MAT 245

MAT 363 - History of Mathematics and Theory of Numbers

Units: 3

GE Designation: I, M

When Offered: Fall

A study of the History of Mathematics from ancient to modern times: Elementary topics in number theory, linear congruencies, Fermat and Wilson theorems, quadratic reciprocity laws.

Pre- or Co- Requisite(s): MAT 313

MAT 399 - Independent Study

Units: 1-3

When Offered: As offered

This course of study is offered to afford the superior student an opportunity to explore independently subject matter not already offered in the catalog.

MAT 400 - Special Topics in Mathematics

Units: 1-3

When Offered: As offered

Various appropriate topics of different concentrations are offered each time.

Repeatable: May be repeated with different subject matter. Student involvement in selection of topics is strongly encouraged.

MAT 403 - Linear Algebra

Units: 3

When Offered: Spring

Vector spaces; matrices, rank and systems of linear equations; linear transformation; similarity and diagonalization theorems; eigenvectors and eigenvalues.

Prerequisite(s): MAT 313

MAT 413 - Differential Equations

Units: 3

When Offered: Fall, Spring

Methods of solution of ordinary differential equations with some applications to geometry and physics.

Prerequisite(s): MAT 255

MAT 423 - Introduction to Topology

Units: 3

When Offered: Fall (even years)

An introduction to general and algebraic topology, concentrating on point-set topology. Topics to be covered include topological spaces, metric spaces, continuous functions, connectedness, and compactness.

Prerequisite(s): MAT 313

MAT 443 - Advanced Calculus

Units: 3

When Offered: Spring

An introduction to real analysis and topology covering the completeness of the real numbers, sequences, limits, continuity, uniform continuity, Riemann integrability, topology of the real numbers, topological spaces, connectedness,

compactness, and metric spaces.

Prerequisite(s): MAT 313

MAT 453 - Numerical Analysis

Units: 3

When Offered: Fall (odd years)

Solutions of Equations of One Variable, Interpolations and Polynomial Approximation, Numerical Integration and Differentiation, Direct Methods for Solving Linear Systems and Approximation Theory.

Prerequisite(s): MAT 255

MAT 463 - Fundamental Concepts of Geometry

Units: 3

When Offered: Spring

An advanced study of concepts of Euclidean geometry and an introduction to non-Euclidean geometry. Theorems and proofs are emphasized.

Prerequisite(s): MAT 313

MAT 480 - Senior Seminar

Units: 1

When Offered: Fall

This seminar serves as a survey course that covers concepts and theory of calculus, linear algebra, abstract algebra, number theory, analysis, and topology. Conceptual problems will be discussed and assigned to improve problem-solving skills.

Prerequisite(s): MAT 313 and Senior status

MAT 483 - Abstract Algebra II

Units: 3

When Offered: Fall (odd years)

This course is a continuation of Abstract Algebra and will include ideals and factor rings, extension fields, Isomorphism and Sylow Theorems, free groups, factorization, automorphisms, Galois Theory, and an introduction to Homology theory.

Prerequisite(s): MAT 323

MAT 490 - Senior Research in Mathematics

Units: 1-4

When Offered: Fall, Spring

The focus of this class is an independent research project that the student undertakes under the direction of a faculty member who acts as a research advisor. Content varies from year to year and is determined by both instructor's and students' interests.

Repeatable: May be repeated for a maximum of eight (8) units of credit

Prerequisite(s): MAT 313 and permission of the Department Chair

MAT 499 - Capstone

Units: 4

When Offered: Fall, Spring

The course is designed to be a culminating experience for senior students who are preparing to teach mathematics at the junior/senior high school level. The course provides students an opportunity to reflect on the critical assignments that have been completed throughout their coursework and relate these lessons to the career of teaching.

Prerequisite(s): Permission of the Department Chair

MKT 313 - Retailing and Merchandising

Units: 3

When Offered: Fall (even years)

To familiarize students with the decisions involved in running a retail firm and the concepts and principles for making those decisions. Topics of discussion will include retail business planning, site selection, retail promotion strategies, HR management, customer relationship management, supply chain management, customer buying behavior, merchandising, space planning and layout, and store management. While the course focuses on the retail industry including retailers of consumer services, the content of the course is also useful for students interested in working for companies that interface with retailers such as manufacturers of consumer products or for students with a general business interest.

Prerequisite(s): MKT 333

MKT 323 - Marketing Research

Units: 3

When Offered: Spring

The emphasis of the course is on improving the skills of conducting marketing research. This course is designed to teach students the fundamentals of the research process including: recognizing the need for marketing research, planning for marketing research, obtaining and collecting the data, analyzing the data, and presenting the research results. This course concerns the use of marketing research as an aid to making marketing decisions. Accordingly, this course is appropriate for both prospective users of research results and prospective marketing researchers. Primary and secondary research will be performed, qualitative and quantitative methods will be utilized as well.

Prerequisite(s): BUS 315 and MKT 333

MKT 333 - Principles of Marketing

Units: 3

When Offered: Fall, Spring

A study of the marketing functions, channels of distribution, selling, advertising, distribution, and marketing management for both retail and industrial businesses.

MKT 353 - Integrated Marketing Communications

Units: 3

When Offered: Fall, Spring

This course examines the best practices companies use to perform integrated marketing communications (IMC). IMC includes advertising, sales promotion, direct marketing, personal selling, public relations, customer segmentation and selection, branding, and building customer relationships. Integration of these functions is essential to the success of the marketing strategy of the organization.

Prerequisite(s): MKT 333

MKT 363 - Social Media and Content Marketing

Units: 3

When Offered: Spring

Students will learn how to use social media and content marketing to communicate an organization's message and engage with customers. Additionally, students will learn how to manage an organization's social media presence.

Prerequisite(s): MKT 333

MKT 443 - Personal Selling and Sales Management

Units: 3

When Offered: Spring

An introduction to the profession of personal selling and sales management. The choice of sales and sales management as a career will be discussed. Topics of interest include: Strategically planning each sales call within a larger account strategy, making the sales call, strengthening communications, responding helpfully to objections, obtaining commitment, and building partnerships. Sales force planning, organizing, management, territory development, selection, compensation, sales force effectiveness, and performance will also be analyzed and discussed.

Prerequisite(s): MKT 333

MKT 444 - International Marketing

Units: 3

When Offered: Fall (odd years)

This course focuses on the theoretical and practical aspects of the cultural environment of global markets, assessing global market opportunities and developing and implementing international marketing strategies.

Prerequisite(s): MKT 333

MKT 458 - Consumer Behavior

Units: 3

When Offered: Fall

A focus on the individual buyer's role in the marketing system; retail operation and how the needs and wants of the buyers are met in a market-oriented system; importance of product image, brand package influence, and store image in influencing consumer purchases.

Prerequisite(s): MKT 333

MKT 463 - Marketing Management

Units: 3

When Offered: Spring

The formulation and implementation of effective marketing management strategies to achieve the creation of a viable marketing plan. Group presentations, case studies and experiential learning assignments will be performed in and out of class.

Prerequisite(s): MKT 333 and Senior status

MKT 491 - Marketing Internship

Units: 1-3

When Offered: Fall, Spring, Summer

Under faculty supervision, the student will work with an outside organization in the field of marketing.

Prerequisite(s): MKT 333 and permission of the Dean

MSL 100 - Leadership Laboratory

Units: 1**When Offered:** Fall, Spring

Practicum in those skills taught in the classroom during other military science classes in the semester. To include Platoon Level Operations, such as patrolling, situational training exercise, map reading, land navigation, rappelling and weapons qualification. Some training is conducted on weekends. This course is only open to enrolled Army ROTC cadets. The course must be taken each semester the student is enrolled in the Military Science program.

MSL 101 - Introduction to the Army and Critical Thinking**Units: 1****When Offered:** Fall

This course introduces students to the personal challenges and competencies that are critical for effective leadership and communication. Students will learn how the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership, and the Army profession. During the course students will learn the structure of the ROTC Basic Course program, Fall and Spring Leadership Labs, and Cadet Initial Entry Training (CIET.)

MSL 102 - Introduction to the Profession of Arms**Units: 1****When Offered:** Spring

This course introduces students to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Through this course, students will learn how Army ethics and values shape the Army and the specific ways that these ethics are inculcated into Army culture.

MSL 201 - Leadership and Decision Making**Units: 2****When Offered:** Fall

Cadets will study, practice, and apply the fundamentals of Army Leadership, Officership, Army Values and Ethics, Personal Development, and small unit tactics at the platoon level. Cadets will be required to demonstrate writing skills and present information briefings as preparation for development in becoming a successful future officer.

Prerequisite(s): ROTC Cadet**MSL 202 - Army Doctrine and Team Development****Units: 2****When Offered:** Spring

This course primarily is drawn from the Army Profession and Team Work Army Learning Areas (ALA's). Cadets will study, practice, and apply the fundamentals of the Leadership, Officer Skills, Army Values and Ethics, Personal Development, and Tactics at the small unit level.

Prerequisite(s): ROTC Cadet**MSL 301 - Training Management and the Warfighting Functions****Units: 3****When Offered:** Fall

Cadets will study, practice, and apply the fundamentals of Army Leadership, Officership, Army Values and Ethics, Personal Development, and small unit tactics at the platoon level with a focus on training management and warfighting functions. At the conclusion of this course, cadets will be capable of planning, coordinating, navigating, motivating and leading a squad and platoon in the execution of a mission during a classroom practical exercise (PE), a Leadership Lab,

or during a Leader Training Exercise (LTX). Successful completion of this course will help prepare cadets for the ROTC Cadet Leader Course (CLC), which they will attend in the summer at Fort Knox, KY.

Prerequisite(s): ROTC Cadet

MSL 302 - Applied Leadership in Small Unit Operations

Units: 3

When Offered: Spring

Building on knowledge and skills learned in prior courses, cadets will study, practice, and apply the fundamentals of Army Leadership, Officership, Army Values and Ethics, Personal Development, and small unit tactics at the platoon level with a focus on applied leadership in small unit operations. At the conclusion of this course, cadets will be capable of planning, coordinating, navigating, motivating and leading a squad and platoon in the execution of a mission during a classroom practical exercise, a Leadership Lab, or during a Leader Training Exercise (LTX). Successful completion of this course will help prepare cadets for the ROTC Cadet Leader Course (CLC), which they will attend in the summer at Fort Knox, KY.

Prerequisite(s): ROTC Cadet

MSL 401 - The Army Officer

Units: 3

When Offered: Fall

Cadets will study, practice, develop, and apply critical thinking skills pertaining to Army leadership, officer skills, Army Values and ethics, personal development, and small unit tactics at platoon level. Cadets will be assessed on the execution of a missions during a classroom practical exercise (PE), Leadership Lab, or during a Leader Training Exercise (LTX). At the conclusion of this course, Cadets will be able to plan, coordinate, navigate, motivate and lead a platoon in future operational environments. Successful completion of this course will assist in preparing Cadets for their BOLC B course and is a mandatory requirement for commissioning.

Prerequisite(s): ROTC Cadet

MSL 402 - Company Grade Leadership

Units: 3

When Offered: Spring

Cadets will study, practice, develop, and apply critical thinking skills pertaining to Army leadership, officer skills, Army Values and ethics, personal development, and small unit tactics at platoon level. Cadets will be assessed on the execution of a mission during a classroom practical exercise (PE), Leadership Lab, or during a Leader Training Exercise (LTX), as well as, completing a Capstone Exercise. For the Capstone Exercise, Cadets are required to complete an Oral Practicum demonstrating knowledge of the 20 Army Warfighting Challenges (AWFC) covered throughout the course. Successful completion of this course will assist in preparing Cadets for their BOLC B course and is a mandatory requirement for commissioning.

Prerequisite(s): ROTC Cadet

MSL 451 - Seminar in Military History

Units: 3

When Offered: Spring

The course is designed to enable a student with no prior military or cadet experience to quickly learn the importance of studying military history, conduct critical analysis, and identify patterns that occur in a study of history from the Civil War through the present. The course introduction provides an analytical framework for applying critical thinking skills to the study of military operations within each time period and provides a common language to use during the class. Students will demonstrate learning through classroom participation, short point papers, an in-class presentation and two longer analytical papers. This course is NOT about learning names, dates, and places. Rather, this course is designed to

interest students in the study of American military history from the Civil War period to the present. Critical thinking about "the whys" things happened is the focus. Reading the assignments and participating in classroom discussions will facilitate student interest in further historical research on topic of their choosing. For Army ROTC cadets, this course satisfies the Cadet Command military history and pre-commissioning requirement.

MUS 010 - Beginning Piano for Non-Music Majors

Units: 1

When Offered: Fall, Spring

Group instruction in keyboard fundamentals for the non-music major with little or no keyboard experience, focusing on keyboard orientation, rhythm and pitch reading, selected scales and chords, and performance of elementary keyboard literature.

Repeatable: May be repeated one (1) time for credit

MUS 012 - Class Piano I

Units: 1

When Offered: Fall, Spring

Designed for the music major whose primary instrument is other than piano. The course material will focus on the rudiments of piano playing, including acquisition of the Technical Skills (Items 1-10) of Piano Proficiency (i.e. scales, arpeggios, and chords).

Repeatable: May be repeated three (3) times for credit

Prerequisite(s): Declared Music major

MUS 014 - Class Guitar

Units: 1

When Offered: Fall, Spring

Group instruction in the fundamentals of guitar.

Repeatable: May be repeated for credit

MUS 015 - Class Piano for Worship Arts I

Units: 1

When Offered: Fall

Group instruction of fundamental piano skills to be used in live worship service settings. Focus on scales, basic chord structures, improvisation, chord chart realization, and accompaniment skills.

MUS 017 - Class Guitar for Worship Arts I

Units: 1

When Offered: Fall

Introduces students to foundational elements of guitar study. Students will learn how to play chords in open positions, major and pentatonic scales in all keys, note reading, basics of fingerstyle and plectrum technique, improvisation, and ensemble playing. Special emphasis will be placed on worship based applications of guitar playing.

Repeatable: May be repeated for credit

MUS 020 - Intermediate Piano for Non-Music Majors

Units: 1

When Offered: Fall, Spring

A continuation of Beginning Piano for Non-Music Majors that develops skills gained the previous semester. Work with additional keys, harmonization, and performance of late elementary keyboard literature.

Repeatable: May be repeated one (1) time for credit

Prerequisite(s): MUS 010 or permission of the Dean

MUS 022 - Class Piano II

Units: 1

When Offered: Fall, Spring

Designed for the music major whose primary instrument is other than piano. The course material will focus primarily on the Functional Skills (Items 11-15) of Piano Proficiency (i.e. solo repertoire, harmonization, transposition, score-reading, and sight-reading) with review of the Technical Skills.

Repeatable: May be repeated three (3) times for credit

Prerequisite(s): MUS 012 or permission of the Professor

MUS 025 - Class Piano for Worship Arts II

Units: 1

When Offered: Spring

Group instruction of intermediate piano skills to be used in live worship service settings. Content will continue from MUS 015 and focus on more advanced chord structures, improvisation, chord chart realization, and accompaniment skills.

Repeatable: May be repeated for credit

Prerequisite(s): MUS 015

MUS 027 - Class Guitar for Worship Arts II

Units: 1

When Offered: Fall

Expounds upon foundational elements in MUS 017 by introducing intermediate guitar skills and worship applications. Students will learn how to play closed chord forms, including inversions and extended chords, major and pentatonic scales in all keys, note reading beyond first position, applications of fingerstyle and plectrum technique in worship, improvisation, and ensemble playing. Special emphasis will be placed on worship-based applications of guitar playing.

Repeatable: May be repeated for credit

Prerequisite(s): MUS 017

MUS 050 - Performance Forum

Units: 0

When Offered: Fall, Spring

Required of all Bachelor of Music majors for each semester in residence. Performance Forum is designed to support the Mission Statement of the School of Music, "...to inspire students to the highest standards of musical craft and personal character." Meets for one hour per week on Friday mornings. The time will be devoted to student recitals, faculty recitals, master classes, music major information sessions, and community-building and character training by the Dean. Grades will be based on attendance.

MUS 054 - The Worship Forum

Units: 1

When Offered: Fall, Spring

This student/faculty forum is a learning environment dedicated to discussing and applying principles and skills related

to the conception, planning, organization, and leading of biblical, creative, engaging worship experiences that incorporate a variety of programmatic, stylistic, and cultural models. Furthermore, this class will serve as the platform from which Worship Arts and Ministry students will be placed in local church internships and worship leadership roles in CBU chapels.

Repeatable: May be repeated for a maximum of four (4) units of credit

MUS 060 - Lancer Pep Band

Units: 0-1

When Offered: Fall, Spring

The Lancer Pep Band is an integral part of CBU's Men's and Women's Basketball games, working with the Cheerleaders and Crazies to provide an unrivaled, high-energy game environment and home court advantage. The band is open to students of any major by audition. Lancer Pep Band members receive a music scholarship and additional compensation from the Athletic Department for every game performance. Does NOT meet music major or minor ensemble requirement.

Repeatable: May be repeated for a maximum of four (4) units of credit

MUS 067 - Symphonic Band

Units: 1

When Offered: Fall, Spring

An inclusive concert band designed to provide instrumental experience and growth through rehearsal and public performance. Open to qualified students by audition or instructor's consent.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

Concurrent Requisite(s): MUS 072, 079, 080-089, or 460- 469

MUS 071 - Voice Practicum

Units: 1-2

When Offered: Fall, Spring

Develop the ability to sing and perform in a CBU vocal ensemble by improving technique, musicianship, and expression. The repertoire used may include the student's large ensemble music as needed, with a preference for solo literature of increasing difficulty, in order to develop the singer's ability. Students must arrange instruction time with the faculty member in-charge, during the first week of classes. A minimum of 12 lessons are required.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

MUS 072 - Piano Practicum

Units: 1-2

When Offered: Fall, Spring

Private piano instruction for the non-music major. This course does not require a jury exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

MUS 079 - Instrumental Practicum

Units: 1-2

When Offered: Fall, Spring

Private instruction for instrumentalists and pianists is offered with material and performance of increasing difficulty, as

the student develops. Students must arrange instruction time with the full-time faculty member in-charge, during the first week of classes. A minimum of 12 lessons are required. Enrollment not open to students seeking a Music degree, major, or minor.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

MUS 080 - Private Instruction

Units: 1-2

When Offered: As offered

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 081 - Private Instruction: Voice

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional Private Instruction fee

Prerequisite(s): Declared Music major or minor

MUS 082 - Private Instruction: Piano

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 083 - Private Instruction: Organ

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam. Prior formal piano training and music reading ability required to be successful in course.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 084 - Private Instruction: Woodwinds

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 085 - Private Instruction: Brass

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 086 - Private Instruction: Strings

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 087 - Private Instruction: Percussion

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 088 - Private Instruction: Guitar

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 089 - Private Instruction: Accompanying

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. A weekly meeting of accompanying majors which will explore accompanying, vocal, and instrumental coaching techniques, emphasizing the interaction between partners and the musical style and performance problems in a wide range of instrumental and vocal repertory and style. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): Declared Music major or minor

MUS 090 - University Choir and Orchestra

Units: 1

GE Designation: M

When Offered: Fall, Spring

University Choir and Orchestra is open by audition to all interested students. The group will rehearse and perform a variety of music. A major tour of two weeks at the end of the school year is required.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

MUS 091 - Women's Choir

Units: 1

GE Designation: M

When Offered: Fall, Spring

Women's Choir is open by audition to all interested students. The group will rehearse and perform a variety of music for women's voices (SSAA), and combine with Male Chorale to form the Worship Collective. A concert tour at the end of the school year is required.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

MUS 092 - Male Chorale

Units: 1

GE Designation: M

When Offered: Fall, Spring

Male Chorale is open by audition to all interested students. The group will rehearse and perform a variety of music for

men's voices (TTBB), and combine with Women's Choir to form the Worship Collective. A concert tour at the end of the school year is required.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

MUS 093 - Chamber Singers

Units: 1

When Offered: Fall, Spring

Chamber Singers gives experience in preparation and performance of recognized and new choral works as well as masterworks of Western music written for small choral ensembles.

Repeatable: May be repeated for credit

MUS 094 - New Song

Units: 1

When Offered: Fall, Spring

This women's ensemble is open by audition to all interested students. The group will rehearse and perform a variety of music. A major tour at the end of the school year is required.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

MUS 095 - Chamber Ensemble

Units: 1

When Offered: Fall, Spring

Chamber Ensemble provides opportunities for preparation and performance of small ensemble repertoire. Ensembles rehearse weekly, are provided coaching, and present performances of the music studied. The course is open to all music majors and to non-music majors by instructor permission.

Repeatable: May be repeated for credit

Concurrent Requisite(s): MUS 072, 079 , 080-089, or 460-469

MUS 096 - Jazz Band

Units: 1

When Offered: Fall, Spring

Jazz Band provides musicians with opportunities to learn a variety of jazz styles in a "big band" setting, as well as to enhance individual improvisational skills. This course also provides practical experience through rehearsals and performances. It is open to qualified students by audition or instructor's consent.

Repeatable: May be repeated for credit

Concurrent Requisite(s): MUS 071, 079, 080-089, or 460-469

MUS 097 - Wind Ensemble

Units: 1

When Offered: Fall, Spring

A select concert band comprised of the finest woodwind, brass, and percussion students at the university, performing both standard and emerging repertoire for winds at a high artistic level. Open to qualified students by audition.

Members of the ensemble are expected to demonstrate outstanding skill and musicianship through individual practice with refinement in ensemble rehearsal.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

Concurrent Requisite(s): MUS 072, 079, 080-089, or 460-469

MUS 098 - Concert Choir

Units: 0-1

When Offered: Fall, Spring

The Concert Choir gives a public performance of a diverse cross-section of choral art music, including major works, each semester. This course is offered for 0 units in the Fall and 1 unit in the Spring. Enrollment is required for all Bachelor of Music majors with a vocal or piano emphasis, as well as scholarship recipients as defined by the School of Music.

Repeatable: May be repeated twelve (12) times for a total of six (6) units of credit

MUS 099 - Symphony Orchestra

Units: 0-1

When Offered: Fall, Spring

Symphony Orchestra is open by audition to all qualified students. The group will rehearse and perform the finest examples of orchestral literature, ranging from the 18th century to the present. This course is offered for 0 units in the Fall and 1 unit in the Spring. Enrollment is required for all music majors with an instrumental emphasis, and scholarship recipients as defined by the School of Music.

Repeatable: May be repeated for credit

Fee: Additional uniform fee

Concurrent Requisite(s): MUS 072, 079, 080-089, or 460-469

MUS 114 - Music Theory I

Units: 3

When Offered: Fall

A review of music fundamentals, intensive study of basic concepts of music theory for the music major, introduction to music notation software. Concert attendance requirement.

Concurrent Requisite(s): MUS 115

MUS 115 - Musicianship Lab I

Units: 1

When Offered: Fall

Introductory experiences in sight-singing and ear-training.

Concurrent Requisite(s): MUS 114

MUS 116 - Musical Theatre Production

Units: 1-3

GE Designation: I

When Offered: As offered

Practical training in the presentation of musical dramas. Consists of regular rehearsals and final performance of musicals, music dramas, and operas.

Repeatable: May be repeated for a maximum of twelve (12) units of credit

MUS 120 - Introduction to Music Ministry

Units: 1**When Offered:** Fall

Thought and discussion on the true heart of a worship leader. Special emphasis will be given to the call of a worship leader and the practical elements of music ministry. This course is designed to introduce students to the Worship Arts and Ministry program and provide the foundational elements of worship, which will prepare them for academic and career success.

MUS 124 - Music Theory II**Units: 3****When Offered:** Spring

Development of skills in analyzing and writing music involving diatonic voice leading principles and harmonic progressions. Examples are drawn from art, sacred and popular music. Concert attendance requirement.

Prerequisite(s): MUS 114

Concurrent Requisite(s): MUS 125

MUS 125 - Musicianship Lab II**Units: 1****When Offered:** Spring

Continued development of aural skills and introduction to keyboard harmony and improvisation.

Prerequisite(s): MUS 115

Concurrent Requisite(s): MUS 124

MUS 182 - Survey of Live AVL Technology**Units: 3****When Offered:** Spring

Students will receive a comprehensive overview of audio, video, and lighting technologies used in venues both sacred and secular. Coursework will include terminology, historical perspectives, trouble shooting, and basic operation.

MUS 200 - Special Topics in Music**Units: 1-3****When Offered:** As offered

An examination of specific areas of Music.

Repeatable: Course is repeatable for credit with a change in topic

MUS 202 - Music in Global Cultures**Units: 2****GE Designation:** M**When Offered:** Fall, Spring

Emphasis on musical instruments, and their significance in a culture's folklore, religion and history; fundamental elements of music and how they vary in different traditions; the effects of cultural influences such as gender and ethnically on the perception, interpretations and performance of music; forces of nationalism, acculturation, and westernization and their effect on musical traditions.

MUS 205 - Music Development for the Classroom Teacher

Units: 2

GE Designation: I

When Offered: Fall, Spring

Designed for the non-music major who plans to teach in the elementary classroom. Coursework includes fundamentals of music, basic musical knowledge and performing skills, and state-adopted music materials. Meets the Elementary Subject Matter Program Requirement.

MUS 214 - Music Theory III

Units: 3

When Offered: Fall

Advanced writing and analysis of music involving chromatic and extended harmonies, and an introduction to 16th century polyphony and 18th century counterpoint. Examples are drawn from art, sacred and popular music.

Prerequisite(s): MUS 124

Concurrent Requisite(s): MUS 215

MUS 215 - Musicianship Lab III

Units: 1

When Offered: Fall

Advanced training in ear-training, sight-singing and keyboard harmony involving chromatic exercises.

Prerequisite(s): MUS 125

Concurrent Requisite(s): MUS 214

MUS 216 - Musical Theatre Production

Units: 1-3

GE Designation: I

When Offered: As offered

Practical training in the presentation of musical dramas. Consists of regular rehearsals and final performance of musicals, music dramas, and operas.

Repeatable: May be repeated for a maximum of twelve (12) units of credit

MUS 221 - Music in Worship

Units: 3

GE Designation: I

When Offered: Fall, Spring

A survey of the history and practice of the use of music in worship services. Emphasis is given to the development of both liturgical and non-liturgical forms of worship. Students will be involved in learning effective worship planning as they study the role of the minister, director of music, and organist.

MUS 224 - Music Theory IV

Units: 3

When Offered: Spring

Writing and analysis of music since 1900. Focus on contemporary harmonic practice, influence of art and popular music. Concert attendance requirement.

Prerequisite(s): MUS 214

Concurrent Requisite(s): MUS 225

MUS 225 - Musicianship Lab IV

Units: 1

When Offered: Spring

Advanced work in ear-training and sight-singing.

Prerequisite(s): MUS 215

Concurrent Requisite(s): MUS 224

MUS 226 - Opera Workshop

Units: 1

When Offered: As offered

This course involves the performance of operatic repertoire and the study of the integration of music, acting, and staging. Open to music and non-music majors by audition.

MUS 230 - Service Playing

Units: 1

When Offered: Independent Study

Focus on keyboard skills which are essential for the church service. Techniques of hymn-playing, transposition, modulation, improvisation, sight-reading, and solo/anthem accompaniment will be addressed. Course offered as an Independent Study. Service Playing does NOT fulfill the MUS 080 requirement for the major or minor.

Repeatable: May be repeatable for credit

Prerequisite(s): MUS 124 and 125

MUS 253 - Introduction to Music Composition

Units: 3

When Offered: Spring

Composing for a variety of instruments and/or voices. Intended as an introduction to various techniques and styles of composition and particular concerns of each.

Prerequisite(s): MUS 214 and 215

MUS 256 - Basics of Accompanying

Units: 2

When Offered: Spring (odd years)

Introduction to piano accompanying with emphasis on basic skills needed to accompany solo voice, choral singing, congregational singing, solo instruments, chamber music, and musicals.

Prerequisite(s): MUS 022, and either MUS 082 or 462

MUS 282 - Music Technology

Units: 2

GE Designation: I

When Offered: Fall, Spring

Introduction to a broad perspective of the many ways musicians use computers. Emphasis on historic milestones, current issues, and practical skill in using software and hardware in music technology.

MUS 283 - Electronic Music

Units: 2

When Offered: Spring (even years)

This course is an introductory course in electronic music and sound design. It covers principles of sound and exposes students to a variety of sound design software and synthesizers.

Prerequisite(s): MUS 282

MUS 301 - Survey of Music History

Units: 3

When Offered: Fall

This course is a study of the development of musical styles and idioms in the context of selected historical periods and their connection with the cultural evolution of Western civilization.

MUS 304 - Craft of Ministry I

Units: 3

When Offered: Fall

This course is designed to explore the craft and heart of ministry in the church. It will equip future worship leaders/pastors with the practical, ministerial, and management skills needed to build, organize, and manage a thriving multi-dimensional, biblically based, worship ministry in the context of the local church worldwide.

MUS 308 - Jazz History

Units: 3

GE Designation: M

When Offered: Fall, Spring

The course provides the students with an appreciation and understanding of the cultural history of Jazz. Through critical listening students will learn to identify the various styles and performers associated with the traditions of Jazz.

MUS 311 - Form and Analysis

Units: 2

When Offered: Fall

An exploration of the methods of organizing music. Study focuses on traditional homophonic forms such as variation, rondo, sonata, symphony, and popular song.

Prerequisite(s): MUS 224 and 225

MUS 312 - Conducting I

Units: 2

When Offered: Fall

Basic conducting patterns, practice in directing group singing, preparation and presentation of simple choral music.

Prerequisite(s): MUS 214

MUS 313 - Music History I

Units: 2

GE Designation: I, M

When Offered: Fall

A general survey course of the history of Western European music and of selected non-Western cultures. Includes

lectures, readings, and a research paper. Ancient through Renaissance.

Prerequisite(s): MUS 124 and 125

MUS 316 - Musical Theatre Production

Units: 1-3

GE Designation: I

When Offered: As offered

Practical training in the presentation of musical dramas. Consists of regular rehearsals and final performance of musicals, music dramas, and operas.

Repeatable: May be repeated for a maximum of twelve (12) units of credit

MUS 323 - Music History II

Units: 3

GE Designation: I

When Offered: Spring

Following the scope and format of the music history courses, this course is a general survey of musical styles and history of the Baroque and Classical periods.

Prerequisite(s): MUS 124 and 125

MUS 324 - Music History III

Units: 3

GE Designation: I

When Offered: Fall

Following the scope and format of the music history courses, this course is a general survey of musical styles and history of the Baroque and Classical periods, with emphasis on the Romantic period.

Prerequisite(s): MUS 124 and MUS 125

MUS 325 - Music History IV

Units: 2

GE Designation: I

When Offered: Spring

Course content provides a continuation of Music History III with emphasis on the 20th century period. American music and implications of recent developments, including electronic and experimental music, are also included.

Prerequisite(s): MUS 114 and 124

MUS 332 - Psalms, Hymns, and Spiritual Songs

Units: 2

When Offered: As offered

A survey of music used for congregational singing studied from perspectives of text and music, history, culture, and practice.

MUS 333 - Song Literature

Units: 3

When Offered: Spring (odd years)

A survey of literature for solo voice from the Baroque to the Twentieth Century. Analysis of scores through recordings

and live performances.

Prerequisite(s): MUS 323

MUS 334 - Piano Literature I

Units: 2

When Offered: Fall (odd years)

A survey of the piano literature from the Baroque period through the end of the Classical Period. Stylistic analysis of individual works through recordings and live performances.

Prerequisite(s): MUS 323

MUS 335 - Piano Literature II

Units: 2

When Offered: Spring (even years)

A survey of the piano literature of the Romantic, Impressionistic, and Contemporary periods. Stylistic analysis of individual works through recordings and live performances.

Prerequisite(s): MUS 334

MUS 341 - Junior Recital

Units: 0

When Offered: Fall, Spring

Music majors in the Performance Concentration are required to enroll in MUS 341 and present a concert or half recital of 20-30 minutes during their junior year. Students will perform selections from their Junior Recital repertoire in this class setting, and will receive constructive critique from the instructor and classmates. Permission to enroll will be given only after attaining the appropriate performance level of 4 and the Piano Proficiency of at least 50 points.

MUS 345 - Choral, Orchestral, and Band Literature

Units: 3

When Offered: Spring (even years)

A survey of choral, orchestral, and band literature from the Baroque period through the 20th century.

MUS 346 - Repertoire for Accompanists

Units: 3

When Offered: Fall (odd years)

A historic survey of the song, opera, and instrumental literature from approximately 1600 through the 20th century. Includes stylistic analysis of individual works through recordings and live performances.

MUS 354 - Private Lessons in Composition

Units: 1-2

When Offered: Fall, Spring

This course, a continuation of MUS 253, is intended to provide students individual instruction in music composition. Students compose works in preparation for their senior composition recital.

Repeatable: May be repeated for a maximum of eight (8) units of credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 253

MUS 360 - Theology, History, and Practice of Worship

Units: 3

When Offered: Fall, Spring

An examination of biblical text and the history of worship in the church in order to develop a biblical theology of worship and its application in the local church. Students will learn about the development and reforms of liturgical practices and biblical foundations for historical and present-day worship applications.

MUS 364 - Song Writing and Commercial Production

Units: 3

When Offered: Fall

Beginning with the fundamentals of song writing and arranging, students will experience the process of commercial music production. Additional topics including music copyright, licensing, and publishing will be covered while student compositions are created and produced in the recording studio environment.

Prerequisite(s): MUS 282

MUS 370 - Worship Technology

Units: 3

GE Designation: I

When Offered: As offered

Worship Technology covers the various skills needed for the technical aspects of modern church worship service. Included in the course will be techniques on lighting, sound, multi-media, and emerging technologies that will enhance corporate worship. The student will learn the various skills needed for these areas as well as the ability to communicate with professionals in the technical field.

MUS 372 - Counterpoint

Units: 2

When Offered: Spring

Continued study of composers' methods of organizing music. Focuses on analysis of music and writing music using contrapuntal techniques. Emphasis on forms of Baroque era and their current application.

Prerequisite(s): MUS 224 and 225

MUS 374 - The Programming and Practice of Worship

Units: 3

When Offered: As offered

The Programming and Practice of Worship and practice is a comprehensive study of issues in the design and programming of worship services in Western Christian churches. The purpose of worship, its recent history in the west, its role in the Christian church, and the increasing emphasis of marketing worship as an evangelism tool to target groups are all issues that will be considered. Practical matters such as the primacy of congregational singing, musical styles, emotional flow, and seasonal services will also be presented.

MUS 376 - Performance Styles for Accompanists

Units: 2

When Offered: Spring (even years)

Introduction to performance practice for accompanists with emphasis on stylistic playing. Accompaniments for art song, operatic and instrumental literature, choral literature, gospel and jazz styles will be studied through discussion

and performance.

Prerequisite(s): MUS 256

MUS 384 - Survey of Recording Technology

Units: 3

When Offered: As offered

This course will introduce you to the technology of recording, including analog and digital recording, recording history, technical discoveries and the effect of recording on music at large.

Prerequisite(s): MUS 224

MUS 385 - Digital Media Ethics

Units: 3

When Offered: As offered

This course provides a comprehensive study of intellectual property, including copyrights, trademarks, trade secrets, patents, and rights of privacy and publicity. Specific topics include exclusive rights, infringement claims and defenses, ownership, duration, and registration.

MUS 386 - Audio Engineering I

Units: 3

When Offered: As offered

The course will begin instruction in Audio Engineering, focusing on the methods, technology and terminology used to engineer aspects of live audio production. The class will include both live venue audio and live recording. Students will spend time outside the classroom and likely off-campus.

Prerequisite(s): MUS 384

MUS 387 - Audio Engineering II

Units: 3

When Offered: As offered

The course will continue instruction in Audio Engineering, focusing on the methods, technology, and terminology used to engineer studio recordings. The class will include time in the main campus studio, as well as other venues.

Prerequisite(s): MUS 386

MUS 390 - Projects in Musical Analysis

Units: 1

When Offered: As offered

This course is a topical study in musical analysis that builds on the material in MUS 311. Students will be exposed to various analytical techniques utilized by the professional music theorist including Schenkerian Analysis, Post-Tonal Musical Analysis, and Narrative Analysis.

Prerequisite(s): MUS 311

MUS 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

MUS 400 - Special Topics in Music

Units: 1-3

When Offered: As offered

An examination of specific areas of Music.

Repeatable: Course is repeatable for credit with a change in topic

MUS 404 - Craft of Ministry II

Units: 2

When Offered: Spring

This course is designed to equip the aspiring worship leader or pastor with administrative, organization, and management skills essential for success in the environment and structure of the local church.

Prerequisite(s): MUS 304

MUS 405 - Introduction to Music Education

Units: 2

GE Designation: I

When Offered: Fall

An overview of music education in the public and private schools (K-12) including the philosophy, objective, scope, and content of a successful music program.

MUS 412 - Conducting II

Units: 2

When Offered: Spring

Development of student's abilities to prepare, rehearse, and perform as conductors of instrumental and vocal ensembles of any size. Includes instrumental and choral score preparation; technical, practical and performance practice considerations; interpretive decisions; verbal and gestural communication skills; rehearsal and performance programming and evaluation; and group theory interpersonal dynamics.

Prerequisite(s): MUS 312

MUS 414 - Interpretive Arranging

Units: 2

When Offered: Fall

The technique of arranging and adapting music for instrumental as well as vocal ensembles of various sizes and composition is the focus of this course content.

Prerequisite(s): MUS 224 and 225

MUS 416 - Musical Theatre Production

Units: 1-3

GE Designation: I

When Offered: As offered

Practical training in the presentation of musical dramas. Consists of regular rehearsals and final performance of musicals, music dramas, and operas.

Repeatable: May be repeated for a maximum of twelve (12) units of credit

MUS 417 - Vocal Pedagogy

Units: 2

When Offered: Spring (even years)

Scientific exploration into the workings of the vocal mechanism and the technique of voice production. A survey of common vocal faults with appropriate correction exercises will be discovered. Successful voice studio procedures are included. Students will demonstrate knowledge learned by privately teaching a student for one month, then once before the class.

MUS 418 - Piano Pedagogy

Units: 2

When Offered: Fall (even years)

A survey of the methods and materials available to the private piano teacher. Private studio procedures (teacher-student relationship, billing procedures, recruitment, etc.) will be explored.

MUS 419 - Instrumental Pedagogy

Units: 2

When Offered: Spring (even years)

Students study the methods and materials used in teaching brass, woodwind, string, or percussion instruments. The area of emphasis is determined by the student's primary instrument.

MUS 422 - Seminar in Conducting

Units: 2

When Offered: Spring

Those interested in future conducting will study special problems in the field; they will conduct choral and instrumental ensembles, and will observe rehearsals and performances under a master conductor. Historical aspects of conducting will also be important course content.

Prerequisite(s): MUS 312 and 412

MUS 423 - Vocal Repertory Lab

Units: 2

When Offered: Fall

This course is designed to prepare vocal performance majors preparing a degree recital. Focuses on all aspects of recital presentation: stage etiquette, stage presence, interpretation of vocal literature by examination of performance practices for the style and period of each piece; how to stage/dramatize an opera aria in a concert/recital setting; exploration of text meaning and derivation.

MUS 425 - Survey of Music in Other Disciplines

Units: 1

When Offered: Spring (odd years)

The purpose of this class is for students to develop an understanding of music connections, relationships, and applications to other arts in other academic disciplines.

MUS 427 - Diction for Singers I

Units: 1**When Offered:** Fall

The course encompasses proper diction for the Latin, Italian, and Spanish solo song and choral literature. Development of correct pronunciation methods through the use of language drills, listening to recordings, and reading of phonetic transcriptions of the texts in musical literature.

Prerequisite(s): One (1) year of private voice study**MUS 428 - Diction for Singers II****Units: 1****When Offered:** Spring

The course encompasses proper diction for the English, German and French solo song and choral literature. Development of correct pronunciation methods through the use of language drills, listening to recordings, and reading of phonetic transcriptions of the texts in musical literature.

Prerequisite(s): One (1) year of private voice study**MUS 431 - Senior Recital and Project****Units: 0****When Offered:** Fall, Spring

Students seeking a Bachelor of Music degree must enroll in Senior Recital and Project in the semester they intend to perform their Senior Recital, typically the last semester of their senior year. Permission to enroll will be given only after attaining the appropriate Performance Level (Level 5 for Performance and Keyboard Accompanying majors and Level 4 for Music Education and Composition majors). Piano Proficiency completion required. Requirements for recital length are determined by the student's major. See School of Music Handbook.

Prerequisite(s): Permission of the Dean**MUS 434 - Creative Worship Planning****Units: 2****When Offered:** Spring

This course will equip worship leaders with tools and strategies to weave numerous musical and artistic elements together to design creative, coherent, and powerful worship experiences. Also covered will be vocal and instrumental scoring and arranging for worship contexts.

MUS 440 - Instrumental Techniques for Woodwinds**Units: 1****When Offered:** Fall (even years)

Private or group instruction on instruments of the woodwind family. Primary emphasis on one instrument to gain basic proficiency, with exposure to problems and techniques of the other members of that family. Instruction in pedagogical techniques useful in classroom instruction.

MUS 441 - Instrumental Techniques for Brass**Units: 1****When Offered:** Fall (odd years)

Private or group instruction on instruments of the brass family. Primary emphasis on one instrument to gain basic proficiency, with exposure to problems and techniques of the other members of that family. Instruction in pedagogical techniques useful in classroom instruction.

MUS 442 - Instrumental Techniques for Percussion

Units: 1

When Offered: Spring (even years)

Private or group instruction on instruments of the percussion family. Primary emphasis on one instrument to gain basic proficiency, with exposure to problems and techniques of the other members of that family. Instruction in pedagogical techniques useful in classroom instruction.

MUS 443 - Instrumental Techniques for Strings

Units: 1

When Offered: Spring (odd years)

Private or group instruction on instruments of the string family. Primary emphasis on one instrument to gain basic proficiency, with exposure to problems and techniques of the other members of that family. Instruction in pedagogical techniques useful in classroom instruction.

MUS 444 - Vocal Techniques

Units: 2

When Offered: Fall, Spring

Instruction for Music Education majors in the fundamentals of vocal tone production, breathing, breath control, and posture, and approaches for working with groups of singers in classroom teaching. Topics will include proper vowel formation, vocal warm-ups, register phenomena, diction and vocal health. Students will learn songs as examples for class topics, with the possible opportunity for individual performance and attention to individual problems.

Prerequisite(s): MUS 214 and 215

MUS 445 - Marching Band Techniques

Units: 2

When Offered: Fall (even years)

Marching Band Techniques is designed for Music Education majors with an instrumental emphasis. The course provides an overview of the skills and knowledge needed to plan, organize, manage, and teach a high school marching band program. Topics to be covered include: music selection, show design, rehearsal planning, marching fundamentals and styles, instruments and equipment, budgets, travel planning, practices and policies, and philosophy. A six-month College Subscription of Pyware 3D drill design software is required.

Prerequisite(s): MUS 124

MUS 450 - Observations in Teaching Methods

Units: 1

GE Designation: I

When Offered: As offered

Practical experience in teaching music in the classroom and studio under faculty supervision. Regularly scheduled conferences for evaluation and planning. Open to selected Music majors only.

Prerequisite(s): MUS 224, two years of applied music, and successful completion of piano proficiency examination

MUS 454 - The Worship Forum

Units: 1

When Offered: Fall, Spring

This student/faculty forum is a learning environment dedicated to discussing, studying, and applying principles related

to the conception, planning, organizing, and leading of biblical, creative, engaging worship experiences that incorporate a variety of programmatic, stylistic, and cultural models. Furthermore, this class will serve as a collaborative platform from which students will be placed in worship leadership roles of increasing responsibility in CBU chapels and local church environments.

Repeatable: May be repeated for credit

Prerequisite(s): MUS 054

MUS 460 - Private Instruction

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 080 and declared Music major or minor

MUS 461 - Private Instruction: Voice

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 081 and declared Music major or minor

MUS 462 - Private Instruction: Piano

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 082 and declared Music major or minor

MUS 463 - Private Instruction: Organ

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 083 and declared Music major or minor

MUS 464 - Private Instruction: Woodwinds

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 084 and Declared Music major or minor

MUS 465 - Private Instruction: Brass

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 085 and declared Music major or minor

MUS 466 - Private Instruction: Strings

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 086 and declared Music major or minor

MUS 467 - Private Instruction: Percussion

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 087 and declared Music major or minor

MUS 468 - Private Instruction: Guitar

Units: 1-2

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. Students must arrange a lesson time before or during the first week of classes in the School of Music office or with the instructor. Thirteen (13) half-hour lessons will be offered per unit. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 088 and declared major or minor

MUS 469 - Private Instruction: Accompanying

Units: 1

When Offered: Fall, Spring

Private Instruction is offered with material and performance of increasing difficulty as the student develops. A weekly meeting of accompanying majors which will explore accompanying, vocal, and instrumental coaching techniques, emphasizing the interaction between partners and the musical style and performance problems in a wide range of instrumental and vocal repertory and style. Students are expected to perform in Student Recitals and a Jury Exam.

Repeatable: May be repeated for credit

Fee: Additional private instruction fee

Prerequisite(s): MUS 089 and declared Music major or minor

MUS 471 - Worship Leadership and Performance Seminar

Units: 3

When Offered: As offered

Worship Leadership and Performance continues the material studied in The Programming and Practice of worship and provides hands-on experience in planning and leading worship. Several worship situations will be set up and assigned to students who will plan a worship service, adapting to the assigned context. The worship service will be led with class participants assisting in musical roles as needed, and other students participate as congregational members. Each worship experience will be analyzed and evaluated by fellow students and instructor, followed by constructive discussion addressing areas of strength and suggestions for improvement.

MUS 472 - Orchestration

Units: 3

When Offered: Fall

A study of the orchestral instruments; scoring for full orchestration or small ensembles. Students do extensive work in the computer lab working with notation software.

Prerequisite(s): MUS 224

MUS 474 - Worship Ministry Internship

Units: 1

When Offered: Summer

This internship will consist of a summer spent serving in the context of a church worship ministry under the direct mentorship of an established and influential worship leader/pastor. This internship will serve as a capstone project for those in the BA in Worship Arts and Ministry degree program and will represent a synthesis and application of musical,

technical, ministerial, and professional skills assessed throughout the program.

Prerequisite(s): Permission of the Dean

MUS 475 - Music in the Schools

Units: 3

GE Designation: I

When Offered: Spring

A course designed to prepare students to be effective music teachers in the K-6 grades, junior-high, and senior-high school levels in both public and private schools as well as church settings. A wide variety of methods and resources will be introduced giving attention to the most important methodologies of today. In addition to the classroom instruction, time will be given to observing and assisting a master teacher.

Pre- or Co- Requisite(s): MUS 013, 412, and 440-443

MUS 484 - Professional Leadership for Ministers

Units: 2

When Offered: Fall

This course will expose future ministers to principles and philosophies of effective high-level leadership in the professional environment. In addition, it will seek to unlock the unique strengths of each individual student and explore how those can be leveraged toward effective leadership in the environment of the church.

MUS 494 - Senior Recital and Project for Worship Arts

Units: 0

When Offered: Fall, Spring

Worship Arts and Ministry students must plan, organize, lead, and execute a 60-minute senior recital or project. The vision of the event will be modeled after a "Night of Worship" setting and include select creative elements outside of music such as lighting, video, staging, and/or other artistic expressions. Student must complete Level 4 of the Worship Arts Proficiency.

Prerequisite(s): Senior status

NAM 120 - Computer Programming for Network Administration

Units: 3

When Offered: As offered

Introduction to computer programming using PowerShell. Covers problem solving methods, algorithm development, and modern programming methodologies. Topics include creating and executing PowerShell scripts, object-based scripting, implementing conditional logic, setting up loops, and creating functions. The objective of the course is to provide a methodology for implementing administrative related tasks using a robust scripting framework.

Prerequisite(s): MAT 115

NAM 320 - Computer and Operating Systems Architecture

Units: 3

When Offered: As offered

This course explores the theoretical and practical aspects of computer operating systems. Topics covered include the fundamentals of computer organization, operating system theory, operating system architecture, Windows and Mac operating systems, UNIX/LINUX operating systems, mobile device operating systems, file systems, virtualization, hardware, storage, resource sharing, network connectivity, power interfaces, system set-up, interfacing with

peripherals, installing operating system software, system testing and debugging, troubleshooting, and the planning and installation of application software.

NAM 470 - Voice over IP

Units: 3

When Offered: As offered

This course focuses on the skills required to assess the telephony needs of an organization and explores the methodologies to select, develop, integrate, and administer the appropriate Internet-based solution. In addition, the course explores the technical aspects of Voice-over-IP (VoIP) including design, installation, maintenance, monitoring, administration, performance, VoIP systems and protocols, packet transmission and switching, VoIP signaling and call processing, scalability, standards-compliance, topological considerations and Quality of Service (QOS).

Prerequisite(s): CIT 465

NAM 475 - Wireless Communications

Units: 3

When Offered: As offered

This course explores the methodologies used to assess the wireless needs of an organization and the skills required to select, develop, integrate, and administer the appropriate wireless-based solution. Topics include the technical aspects of Bluetooth, Wi-Fi, cellular and satellite communications; the application of Wireless Personal Area Networks (WPANs), Wireless Local Area Networks (WLANs), Wireless Metropolitan Area Networks (WMANs), and Wireless Wide Area Networks (WWANs); applying the appropriate security; and evaluating, analyzing, designing, managing, administering and troubleshooting various wireless-based implementations.

Prerequisite(s): CIT 465

NAM 480 - Network Engineering

Units: 3

When Offered: As offered

This course explores the methodologies used to assess the data communication needs of an organization and the skills required to select, develop, integrate, and administer the appropriate network-based architecture. Topics include data communication networks and integration, flow control, VoIP, SDN, OSI model, compression and load balancing, VPN networks, storage, access-list configuration, firewalls, and advanced routing protocols. This course includes the opportunity to evaluate and analyze the interworking of various technologies utilizing a virtual Cisco based lab.

Prerequisite(s): CIT 465

NAM 495 - Network Administration and Management Program Capstone

Units: 3

When Offered: As offered

This course provides the opportunity to integrate knowledge and demonstrate skills obtained throughout the program in the form of a enterprise level network related project, which involves the analysis of an organization's network needs, the development of a network architecture, and the project management components needed for successful implementation. The course culminates with a final report/paper and presentation.

Prerequisite(s): CIT 330, 380, NAM 320, 470, 475, and 480

NFS 100 - Nutrition Basics for Sport Performance

Units: 1

When Offered: Fall

Course covers key topics of nutrition for student athletes outlined in the LANCERS' Fuel Student Athlete Nutrition Manual. Course includes didactic and personalized learning experiences in nutritional and dietary assessments targeted to enhance healthy eating practices that support cognitive function and athletic practice while promoting proper nourishment of the body to optimize performance levels.

Grade Type: Pass/Fail

NFS 101 - Introduction to Nutrition and Food Sciences

Units: 3

When Offered: Fall, Spring

This class provides an introduction to the fundamental principles of normal nutrition, food science and their relation to the health and physical fitness of individuals. Also includes a discussion of the career opportunities within nutrition and sciences, and the computer software pertinent to the field.

NFS 200 - Lifecycle Nutrition

Units: 3

When Offered: As offered

This class will provide a rapidly moving study of nutrition in the lifecycle from infancy through advancing years. Emphasis will be placed on the application of nutritional requirements and guidelines in each age group to dietary planning and intake.

NFS 310 - Community and Public Health Nutrition

Units: 3

When Offered: Fall, Spring

Study of the community-based programs with nutrition components, including work-site wellness, health promotion, schools, day-care programs, and health clinics. Programs in these areas include nutrition screening and assessment, feeding programs and assistance, plus health promotion and disease prevention.

NFS 315 - Experimental Foods and Research Methods

Units: 3

When Offered: Fall

Students will learn to apply basic nutrition and food science research designs to conduct experiments, interpret data, and write reports. The techniques used in the planning, preparation, development, and evaluation of new food products will be covered.

Pre- or Co- Requisite(s): NFS 101

NFS 320 - Nutritional Biochemistry

Units: 3

When Offered: As offered

Introduction to biochemistry with particular emphasis on nutrition and its effect on metabolism.

Prerequisite(s): NFS 101

NFS 330 - Food Service, Organization, Purchasing, and Management

Units: 3

When Offered: As offered

Study of equipment, personnel, and cost in the management of large quantity food services. Includes guest professional lectures and site visits to local food service operations.

NFS 335 - Food Chemistry

Units: 3

When Offered: Fall

This course provides an introduction to theories on the molecular bases of chemical phenomena that dictate the behavior of foods. This is an integrated lecture and lab course. Laboratory sections will provide opportunities for students to observe, manipulate, and explore model food systems. The emphasis is on the major food components (water, lipids, proteins, and carbohydrates) and how these food components behave under conditions of particular relevance to food processing.

Prerequisite(s): CHE 115 and NFS 101

NFS 345 - Food Processing and Engineering

Units: 3

When Offered: Fall

This course examines the application of principles related to the conversion of raw materials into food products. Students will be exposed to principles and practices of food processing unit operations including materials handling, mixing, heating and cooling, quality control, packaging, food quality, and food safety.

Prerequisite(s): NFS 101

NFS 355 - Food Sensory Analysis

Units: 3

When Offered: Spring

This course emphasizes the principles and applications of instrumental methods for qualitative and quantitative analysis used in the physical, chemical, and instrumental examination of food products. The basic analytical tools for determination of moisture, proteins, carbohydrates, lipids, minerals, and vitamins in food systems are introduced. Sensory methods are also employed in planning, preparation, developing new products, and evaluation of food products.

NFS 400 - Special Topics in Nutrition and Food Sciences

Units: 3

When Offered: As offered

This course will teach advanced topics in specialized nutrition and food sciences areas such as sports nutrition, quantity foods, planning therapeutic diets, maternal and child nutrition, personal nutrition, nutrient-drug interactions, food safety, and current issues. The specific topic will be announced each semester.

Prerequisite(s): NFS 101

NFS 420 - Quantity Food Management

Units: 3

When Offered: As offered

The course will focus on the planning and execution of large quantity food production operations and banqueting in various food service environments. The student will obtain hands on experience in the management of large kitchens such as institutional, banquet, and a la carte restaurants.

NFS 445 - Food Microbiology

Units: 3

When Offered: Fall

This course covers the nature, physiology, and interactions of microorganisms in foods including foodborne diseases, effects of food processing on the microflora of foods, food preservation, food spoilage, and foods produced by microorganisms. Analytical techniques in detecting and quantitating microorganisms and their toxins in foods will be practiced.

Prerequisite(s): BIO 205 and NFS 101

NFS 455 - Medical Nutrition Therapy I

Units: 3

When Offered: Fall

This course provides a scientific basis for introduction to biochemistry and physiology of human chronic diseases, cardiovascular disease, diabetes, renal disease, cancer, metabolic disorders, with emphasis on nutrition-related principles and intervention.

Prerequisite(s): Permission of the Department Chair

NFS 460 - Human Nutrition Assessment Lecture

Units: 3

When Offered: Spring

Scientific study on basis of nutritional assessment using anthropometric, dietary, biochemical, and clinical tests and criteria.

Prerequisite(s): NFS 101

NFS 465 - Medical Nutrition Therapy II

Units: 3

When Offered: Spring

This course provides an advanced level of understanding of biochemistry, physiology, pathology of human chronic diseases, cardiovascular disease, diabetes, renal disease, cancers, metabolic disorders, with emphasis on nutrition-related mechanisms, metabolisms, and clinical interventions.

Prerequisite(s): Permission of the Department Chair

NFS 475 - Advanced Human Nutrition

Units: 3

When Offered: Spring

Advanced-level nutrition biochemistry with particular emphasis on micro-nutrients, their roles in physiological metabolism, energy balance, physical activity, disease prevention, and emerging issues in maternal nutrition and offspring disease development will be covered.

Prerequisite(s): NFS 320 and Senior status

NFS 491 - Internship in Nutrition and Food Sciences

Units: 1-4

When Offered: Fall, Spring, Summer

An internship provides nutrition and food sciences majors with valuable experience through working with professionals in their chosen field of study. Three (3) hours per week for 14 weeks of on-site work, observation, or participation are required for each unit of credit and 1-4 units may be taken in any one semester.

Repeatable: May be repeated for a maximum of six (6) units of credit.

Prerequisite(s): Nutrition and Food Sciences major and Junior status

NUR 201 - Theoretical Foundations in Nursing

Units: 3

When Offered: Fall, Spring, RN-BSN

An introduction to the paradigms, theories, concepts, and values of the discipline of nursing. An overview of the program mission, philosophy, goals, objectives, and conceptual framework and themes of the baccalaureate program. This course is designed to enhance understanding of the history of the discipline, the phenomenon of interest in nursing, the roles of the professional nurse, and the professional standards of nursing practice. Practice with communication/collaboration activities will include true presence in the nurse-person relationship and being with others as they live their health and quality of life.

Prerequisite(s): Permission of the Dean

NUR 215 - Fundamental Skills for Nursing Practice

Units: 4

When Offered: Fall, Spring

Prepares students to perform basic nursing skills based on mastery of core scientific principles.

Lecture: Two (2) hours/week theory. **Practicum:** Six (6) hours/week practicum.

Prerequisite(s): Permission of the Dean

NUR 235 - Physical Assessment

Units: 4

When Offered: Fall, Spring

The course focuses on helping students acquire skills to conduct a comprehensive health assessment. The process of data collection, interpretation, documentation and dissemination of assessment data will be addressed. The practicum provides students with the opportunity to use interview, observation, percussion, palpation, inspection and auscultation in assessing clients across the lifespan in simulated and actual settings.

Lecture: Two (2) hours/week theory **Practicum:** Six (6) hours/week practicum

Prerequisite(s): Permission of the Dean

NUR 236 - Physical Assessment for the Licensed Registered Nurse

Units: 3

When Offered: RN-BSN

Presentation of a disease process as it relates to findings in a comprehensive assessment is required. Students will be expected to look at vital statistics of disease and research results in a critical manner. The course focuses on helping students improve skills to conduct a comprehensive health assessment. The process of data collection, interpretation, documentation and dissemination of assessment data will be addressed. Students will have the opportunity to use interview, observation, percussion, palpation, inspection, and auscultation. The course will also explore faith integration and safely providing patient care with dignity, compassion and respect in all facets of the assessment process.

Prerequisite(s): Admission into the RN-BSN program

NUR 255 - Adult Health I

Units: 4

When Offered: Fall, Spring

Introduction to theory-based nursing services with the young, middle and older adult. Focus is on the core knowledge acquisition and medical collaboration activities with health promotion/disease prevention, illness and disease management of common acute and chronic illnesses.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 256

NUR 256 - Adult Health I Practicum

Units: 3

When Offered: Fall, Spring

A Level II course in the nursing major where there is application of nursing theory-based services for young, middle, and older adults. Acute and chronic issues of health integration and themes of collaboration/communication, critical thinking, teaching-learning, change-persistence and leading-following in nursing services are emphasized. Focus is on collaborative services with health promotion/disease prevention as well as the medical management of common acute and chronic illnesses in a variety of settings.

Practicum: Nine (9) hours/week practicum

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 255

NUR 300 - Theoretical Foundations and Interprofessional Communication

Units: 4

When Offered: RN-BSN

Conceptual and essential component themes of the baccalaureate program will enhance understanding of the history of the discipline, the phenomenon of interest in nursing, and the roles of the professional nurse in relation to interprofessional collaboration. Focus is on an in-depth analysis of paradigms, theories, concepts, and values of the discipline of nursing. Verbal, non-verbal communication, attitudes, beliefs and principles will be explored in relation to interprofessional collaboration. An emphasis is placed on living the art with communication/collaboration activities, the nurse-person relationship and an understanding of the nurse's presence and role in being with people as living quality unfolds.

Prerequisite(s): Admission into the RN-BSN program

NUR 301 - Communication and Informatics in Nursing Practice

Units: 3

When Offered: Fall, Spring, RN-BSN

This course is designed to introduce applications of informatics systems to nursing practice, education, research, and administration. Utilizing nursing theory/collaboration communication methods in the nurse-person relationship for purposes of health information acquisition and teaching-learning opportunities will be explored. Integrating various theories, students will understand the importance of becoming knowledge workers, and develop skills for information literacy. Students are introduced to computer hardware, software, databases, and communications applications. Developments in computer technologies are discussed in the context of telehealth, e-health, distance education, and research utilization. Associated human-computer interaction and legal and ethical issues are addressed. Students learn how nurses can use nursing information systems to work more efficiently, allocate resources more effectively, and improve nursing services.

Prerequisite(s): Permission of the Dean

NUR 315 - Pathophysiology

Units: 3

When Offered: Fall, Spring, RN-BSN

Emphasis on complementary knowledge development in life sciences, as they relate to global health. Understanding of

basic pathophysiology including disease processes, prevention, clinical signs and symptoms, secondary effects and methods of treatment, will enable health professionals to collaborate and provide curative and rehabilitative services. Study of scientific principles assist in developing critical thinking and analytic methods of inquiry for nursing practice. This course builds upon the general principles of anatomy/physiology studied as a nursing prerequisite. Presentation of a pathophysiological problem through a research paper is required. The effects of psychosocial stimuli on disease will be discussed. A global approach to disease will be emphasized. Students are expected to look at vital statistics of disease and research results in a critical manner.

Prerequisite(s): Permission of the Dean

NUR 320 - Pharmacology and Nutrition

Units: 3

When Offered: Fall, Spring, RN-BSN

An introduction to the basic principles of pharmacology and nutrition with a focus on pharmacokinetics, pharmacodynamics, and therapeutic implications for major drug categories as well as natural products. Emphasis also on nutritional health promotion as well as therapeutic nutrition related to selected illness states.

Prerequisite(s): Permission of the Dean

NUR 325 - Nursing Services with the Childbearing Family

Units: 3

When Offered: Fall, Spring

Theoretical basis for professional nursing practice with childbearing families. Emphasis is on childbearing as a family experience, nurse-family processes, and changing health patterns with childbearing families. Nursing role, communication/ collaboration activities and teaching-learning opportunities with health promotion, risk reduction, and disease prevention will be discussed.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 326

NUR 326 - Nursing Services with the Childbearing Family Practicum

Units: 2

When Offered: Fall, Spring

Practicum focuses on the application of nursing theory and nurse-family processes in providing nursing services and collaborative activities in preventive, supportive and restorative services to members of the childbearing family.

Practicum: Six (6) hours/week practicum

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 325

NUR 327 - Health Assessment and Promotion

Units: 4

When Offered: Fall, Spring, Summer, RN-BSN

The course is designed to improve knowledge, skills, and attitudes related to health promotion, the early detection of illness and disease prevention within diverse populations. Techniques of interview, observation, percussion, palpation, inspection, and auscultation to perform a comprehensive assessment are demonstrated. The process of data collection, interpretation, documentation and dissemination of assessment findings are covered. Presentation of a disease process and integration of health promotion strategies as it relates to the findings of a comprehensive assessment is required.

Prerequisite(s): Admission into the RN-BSN program

NUR 335 - Nursing Services with the Childrearing Family

Units: 3

When Offered: Fall, Spring

The study of nursing science with childrearing families and healthcare issues commonly associated with children and adolescents. Nursing theory focuses on the meaning of health from the perspective of the childrearing family members. The focus will be on theoretical knowledge acquisition, teaching-learning, change-persistence, and collaboration with other health care professionals in health promotion/disease prevention as well as the management of common acute and chronic illnesses in children and adolescents. Emphasis is on the child in the family and the nursing services provided as the family lives with health in many diverse settings.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 336

NUR 336 - Nursing Services with Childrearing Families Practicum

Units: 2

When Offered: Fall, Spring

Practicum application of nursing theory and research-based nursing services of children and adolescents. Focus is on changing health, teaching-learning and collaborative nursing activities with promotion/disease prevention, as well as the management of common acute and chronic illnesses in a variety of healthcare settings.

Practicum: Six (6) hours/week practicum

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 335

NUR 355 - Mental Health Nursing

Units: 3

When Offered: Fall, Spring

Introduction to mental health nursing services and nurse-person and nurse-group communication patterns. Focus is on interdisciplinary collaboration, teaching-learning, and change-persistence patterns with health promotion/disease prevention, as well as the management of common and acute and chronic medical diagnosis of mental health issues with individuals, families, and communities. A nursing theoretical perspective under girding nursing practice shall be emphasized. Various nursing services and treatment modalities are explored. Nursing services with special populations including the homeless and issues regarding abuse, neglect, and substance abuse are explored.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 356

NUR 356 - Mental Health Nursing Practicum

Units: 2

When Offered: Fall, Spring

Practicum learning experience of nursing services with persons who have the medical diagnosis of mental illness in both inpatient and community treatment settings. Focus is on the changing healthcare systems and collaborative health promotion/disease prevention, as well as the nurse-person, nurse-group, nurse-community patterns of relating, and management of common acute and chronic mental health problems with individuals and families.

Practicum: Six (6) hours/week practicum

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 355

NUR 375 - Research and Writing for the Health Care Professional

Units: 3

GE Designation: I

When Offered: Fall, Spring, RN-BSN

This course is designed to provide an introduction and overview of nursing research. The course will be devoted to a discussion of the development of nursing research and its utilization in the practice of nursing. Additionally, the course will introduce basic terminology, principles of research, methods and designs of qualitative and quantitative nursing research with the goal of aiding the student to critically evaluate and utilize nursing research. The "So What?" connections between nursing theory and healthcare research and the possible importance for nursing practice and the profession will be regularly discussed.

Prerequisite(s): Permission of the Dean

NUR 400 - Special Topics in Nursing

Units: 1-4

When Offered: As offered

This course offers a concentration upon a specific topic in the field of nursing. The topic varies by semester.

Repeatable: May be repeated with change in topic.

Prerequisite(s): Permission of the Dean

NUR 420 - Community and Public Health Nursing

Units: 3

GE Designation: I

When Offered: Fall, Spring, RN-BSN

The course focuses on a theoretical understanding of nursing concepts which are utilized in nurse-community processes while providing nursing services to individuals, families, communities, and aggregates of populations. The student will explore the role of the community health /public health nurse as an interdisciplinary collaborator with other members of the healthcare team. Changing healthcare systems and policies from a global perspective will be explored.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 421

NUR 421 - Community and Public Health Nursing Practicum

Units: 3

When Offered: Fall, Spring, RN-BSN

Practicum experience in community/public health nursing focusing on collaborative policy development, change, teaching-learning processes, the role, application of public health principles and nursing processes in the provision of nursing services with individuals/families and populations in a variety of community-based settings.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 420

NUR 430 - Transcultural Patterns of Health

Units: 3

GE Designation: I

When Offered: Fall, Spring, RN-BSN

This course will examine patterns of health beliefs and values from a nursing theoretical perspective. Health beliefs determined by religion, culture, society, and history will be reviewed. The course will examine how views of health influences healthcare, the healthcare delivery system, and specific elements of health throughout the life span. An important component of the course will be examination of the professional nurse's role and implications for nursing services. Application of nursing research in health beliefs and values will also be included.

Prerequisite(s): Permission of the Dean

NUR 431 - Global Service-Learning in Nursing: Core Concepts

Units: 3**When Offered:** As offered

This is the first of three courses in the Global Integration Studies: Global Health Nursing Minor. This course begins to prepare the student for engaging in healthcare globally. It provides a solid foundation of the concepts of cultural awareness, cultural knowledge, cultural skill, cultural encounters and cultural desire based on Campinah-Bacote's (2002) definition of cultural competence. Using Biblical principles and Parse's Humanbecoming School of Thought (1998), students will develop the skills needed to provide relevant and meaningful nursing care to members of various population groups.

Prerequisite(s): Previous ISP experience**NUR 432 - Global Service-Learning in Nursing: Advanced Concepts****Units: 3****When Offered:** As offered

This is the second of three courses in the Global Integration Studies: Global Health Nursing Minor. Building upon the Core Concepts of Global Service Learning in Nursing, students will compare and contrast nursing, healthcare and healthcare systems nationally and globally. This course will incorporate frameworks for Global Service Learning in Nursing from the National League of Nursing, Center for Disease Control and World Health Organization. Using Biblical principles and Parse's Humanbecoming School of Thought (1998), students will develop a plan to provide relevant and meaningful nursing care to members of specific population groups.

Prerequisite(s): NUR 431**NUR 433 - Global Service-Learning in Nursing: Immersion Practicum****Units: 3****When Offered:** As offered

This is the third of three courses in the Global Integration Studies: Global Health Nursing Minor. Building upon the Core and Advanced Concepts of Global Service Learning in Nursing, students will apply cultural awareness, cultural knowledge, cultural skill, cultural encounters and cultural desire based on Campinah-Bacote's (2002) definition of cultural competence to a specific global nursing population. Using Biblical principles and Parse's Humanbecoming School of Thought (1998), students will implement a plan to provide relevant and meaningful nursing care to members of specific population groups. Involves travel as a group to selected local areas inside and/or outside of the U.S.

Prerequisite(s): NUR 431 and 432**NUR 440 - Adult Health II****Units: 4****When Offered:** Fall, Spring

Advanced study of theory and research-based nursing services of the young, middle and older adult. Focus is on the knowledge acquisition and management of complex acute and chronic illnesses and end of life processes.

Prerequisite(s): Permission of the Dean**Pre- or Co- Requisite(s):** NUR 441**NUR 441 - Adult Health II Practicum****Units: 3****When Offered:** Fall, Spring

Practicum course with focus on advanced application of theory and research-based nursing services for young, middle and older adults. Focus is on collaborative interdisciplinary management of complex adult health illnesses and situations in a variety of healthcare settings.

Practicum: Nine (9) hours/week practicum

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 440

NUR 450 - Nursing Services for the Older Adult and Family

Units: 2

When Offered: Fall, Spring

This course focuses on the health-related issues of older adults. Major content areas include viewing the unique needs of elders from a nursing theoretical perspective. An interdisciplinary and collaborative health care provider approach will be given in the discussion of knowledge concerning physical, psychological, economic and social age related changes. The course will explore personal, cultural, societal attitudes toward aging for the purpose of an enhanced understanding from the elder's perspective.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 451

NUR 451 - Nursing Practicum with the Older Adult and Family

Units: 1

When Offered: Fall, Spring

This practicum course focuses on the application for nursing knowledge with elderly persons and families. Emphasis is given to the collaborative application of biological, social, behavioral disciplinary knowledge with the practice and role description of the professional nurse. Nursing services shall be provided in a variety of settings including the community, assisted living facilities, acute care facilities, rehabilitation centers, and long term care facilities.

Practicum: Three (3) hours/week in practicum setting

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 450

NUR 460 - Ethics and Issues in Health Care

Units: 3

When Offered: Fall, Spring, RN-BSN

The philosophical and ethical aspects of the professional role of the registered nurse are examined. The role includes but is not limited to the role of the provider of care. The course is designed to explore the meaning of becoming an effective member of the nursing profession. Emphasis is placed on current issues of professional and legal accountability and responsibility, professional liability, advocacy, collective action, and the ethical responsibilities and decision making for the profession and changing healthcare systems.

Prerequisite(s): Permission of the Dean

NUR 470 - Christian Leadership in Nursing

Units: 3

GE Designation: I

When Offered: Fall, Spring, RN-BSN

Concepts of management, leadership and followership, change-persistence and organizational structure as frameworks for managing policy development and delivery of nursing care to groups of clients in an acute care setting. The transition from student role to professional nursing role as provider, coordinator, and designer is emphasized.

Prerequisite(s): Permission of the Dean

Pre- or Co- Requisite(s): NUR 471

NUR 471 - Christian Leadership in Nursing Practicum

Units: 2**When Offered:** Fall, Spring, RN-BSN

Practicum hours are to equal 6 hours per week for the 15 week semester (90 hours total for the semester). This course emphasizes the student experience of observing and assuming the role of nurse leader/manager in implementing quality improvement projects. Implications for nursing theory-driven practice, teaching-learning processes, change-persistence, and collaboration with other health care providers is emphasized. Mentors are selected and assigned to students by the course coordinator and/or nursing faculty.

Prerequisite(s): Permission of the Dean**Pre- or Co- Requisite(s):** NUR 470**NUR 494 - NCLEX Review****Units: 1****When Offered:** Fall, Spring

This NCLEX review course shall be scheduled by Nursing for all graduating senior nursing students.

Prerequisite(s): Permission of the Dean**NUR 498 - Senior Capstone Practicum****Units: 2**

LVN thirty (30) unit option only. This practicum course focuses on the roles and responsibilities of a new graduate professional nurse. The course provides an opportunity for the student to further develop appropriate leadership and practice nursing skills necessary for the beginning practitioner role. It also facilitates synthesis for nursing knowledge and skills acquired in previous LVN option courses for the provision of nursing care to individuals and families.

Practicum: Six (6) hours/week of practicum**NUR 499 - Senior Capstone Practicum****Units: 3****When Offered:** Fall, Spring, RN-BSN

This practicum senior level course focuses on the roles and responsibilities of a new graduate BSN professional nurse. The course provides an opportunity for the student to further develop leadership and practice nursing skills necessary for the beginning practitioner role. It also facilitates synthesis of the nursing knowledge and skills acquired in previous program courses in the provision of nursing care to individuals, families, and aggregates. Faculty in collaboration with the nursing administrators in healthcare agencies identify agency nurses who will assist students to achieve course/individual objectives in the agency. A nursing clinical faculty member and the selected agency nurse, i.e., Clinical Faculty, who is matched with the student assist the student to develop a Personal Objective Plan. The Plan is a set of individualized specific measurable objectives, which guide the student's clinical learning experience while meeting course objectives. The Clinical Faculty, the student and Campus Faculty form a three person team which facilitates the implementation of the student's plan.

Practicum: Nine (9) hours/week practicum**Prerequisite(s):** Permission of the Dean**PDD 200 - Special Topics in Production Design****Units: 1-6****When Offered:** As offered

This course explores and presents selected topics in production design.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit**PDD 310 - Production Design Studio I**

Units: 6

When Offered: Spring (odd years)

Students will explore a number of strategies designers use to understand, evaluate and create both built and virtual environments. A series of design exercises that explore the various strategies allow students to initiate the development of a personal design process. Emphasis is on the formal, experiential and material issues inherent in cultivating a design sensibility or language. Projects given range in topic.

Prerequisite(s): ARC 122

PDD 400 - Special Topics in Production Design

Units: 1-6

When Offered: As offered

This course explores and presents selected topics in production design.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

PDD 401 - Special Topics in Production Design Studio

Units: 1-6

When Offered: As offered

This course explores and presents studio based selected topics in production design.

Repeatable: May be repeated with change in topic for a maximum of twelve (12) units of credit

Prerequisite(s): Permission of the Dean

PDD 410 - Production Design Studio II

Units: 6

When Offered: Spring (even years)

This class emphasizes a holistic design process within environmental design. Students are asked to explore production design methodologies, translations and tactics as applied to projects within the scope of concentration emphases.

Prerequisite(s): ARC 122

PHI 104 - Special Studies in Philosophy

Units: 1

When Offered: As offered

An examination of specific areas of Philosophy.

Repeatable: Course is repeatable for credit with a change in topic.

PHI 200 - Special Studies

Units: 3

When Offered: Fall, Spring

Concentration on specific philosophical areas such as particular periods, traditional philosophical classifications, or individual philosophers.

Repeatable: Course is repeatable for credit with a change in topic.

PHI 213 - Introduction to Philosophy

Units: 3

When Offered: Fall, Spring

This course introduces students to the meaning and basic categories of philosophy such as epistemology and

philosophy of religion. This is accomplished through an exploration of the primary issues and central figures within the discipline. Particular relevance is given to the development of a Christian World-view and the role philosophy plays in life and culture.

PHI 233 - Basic Reasoning

Units: 3

When Offered: Fall, Spring

This course introduces students to the fundamental skills involved in critical thinking such as the ability to recognize an argument and discern formal and informal fallacies. Application is made to issues that occur in everyday life.

PHI 300 - Logic

Units: 3

When Offered: Fall (even years)

A systematized study of the canons and criteria of validity in thought and its rational expression by considering the processes of reasoning and inference with applications in propositional logic, natural deduction, predicate logic and induction.

Prerequisite(s): PHI 213

PHI 301 - History of Western Philosophy I

Units: 3

GE Designation: I

When Offered: Fall

This course is the first of a two-semester study introducing students to the history of Western philosophy. This first part begins with the origins of philosophy in ancient Greece and ends with the Late Middle Ages. Particular attention is given to Socrates, Plato, Aristotle, St. Augustine, and St. Thomas.

PHI 302 - History of Western Philosophy II

Units: 3

GE Designation: I

When Offered: Spring

This course is the second of a two-semester study introducing students to the history of Western philosophy. This second part begins with the origins of modern philosophy in the seventeenth century and ends with the twentieth century. Particular attention is given to Descartes, Hume, and Kant.

PHI 303 - Apologetics

Units: 3

GE Designation: I

When Offered: Fall

This course will examine the emergence of apologetics within the life of the church, highlight various approaches, arguments, and central figures, and the role of apologetics in development of a Christian worldview.

Prerequisite(s): PHI 213

PHI 304 - Special Studies in Philosophy

Units: 1

When Offered: As offered

An examination of specific areas of Philosophy.

Repeatable: Course is repeatable for credit with a change in topic.

PHI 312 - Aesthetics

Units: 3

When Offered: Spring

An introduction to philosophical aesthetics, which has been marginalized and often ignored in philosophical discourse during the past four hundred years. During the last few decades the questions posed by aesthetics have moved back into the center of the philosophical discussion, including the use of the concept by "post-modern" thinkers. The course seeks to bring the student into the longer conversation concerning beauty, "retrieve" important elements that have been lost, and provide a basis for further study.

Prerequisite(s): ARC 210, ART 242, DES 310, FLM 250, GDM 310, ILL 210, PHI 213, or PHO 330

PHI 320 - Epistemology

Units: 3

When Offered: Fall (even years)

This course is a study of the perennial questions in the philosophical discipline of Epistemology, or Theory of Knowledge. It provides an introduction to the major parts of an account of knowledge including the nature of belief, justification, and truth. In addition, this course surveys various problems including skepticism, relativism, and the objectivity of knowledge.

Prerequisite(s): PHI 213

PHI 323 - Ethics

Units: 3

GE Designation: I

When Offered: Fall (even years)

This course is an appraisal of the major metaethical positions within Western philosophy such as deontological, utilitarian, and virtue ethics in light of the Christian World-view for the purpose of analyzing and synthesizing theories regarding human conduct. Attention is given to major figures in the history of ethics as well as the nature of ethical language and the concept of value.

Prerequisite(s): PHI 213

PHI 324 - Applied Ethics

Units: 3

GE Designation: I

When Offered: Fall (odd years)

An exploration of the application of various metaethical theories to ethical questions and issues that arise in various arenas of life. The study involves both the examination of methods as well as cases.

PHI 343 - Philosophy of Religion

Units: 3

GE Designation: I, M

When Offered: Spring

This course introduces students to the specific branch of philosophy known as philosophy of religion. This occurs through an examination of the major issues within the discipline such as the existence of God, the problem of evil, and the nature of religious language.

PHI 353 - Comparative Religions

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course is an introduction to the major religious traditions of the world, particularly Hinduism, Buddhism, Judaism, Christianity, and Islam. The historical development, key figures, as well as major doctrines and practices are explored.

PHI 363 - Metaphysics

Units: 3

GE Designation: M

When Offered: Spring (even years)

This course is a study of the basic questions regarding reality as they have developed within Western philosophy. The study will examine such topics as matter, form, substance, existence, and such movements as idealism, nominalism, realism, and materialism.

Prerequisite(s): PHI 213

PHI 399 - Independent Study

Units: 3

GE Designation: M

A course of study designed to afford superior students an opportunity to pursue independent work in an area of their personal interest. Supervision and evaluation provided by assigned Philosophy department faculty.

PHI 400 - Special Studies

Units: 3

When Offered: Fall

Concentration on specific philosophical areas such as particular periods, traditional philosophical classifications, or individual philosophers.

Repeatable: Course is repeatable for credit with a change in topic.

PHI 403 - Cultural Apologetics

Units: 3

When Offered: Spring (odd years)

A study of the ways in which the truth of the Gospel and of the Christian worldview are reflected in popular culture through art, literature, film, music, and television.

Prerequisite(s): PHI 213

PHI 420 - Readings in 20th Century Epistemology

Units: 3

When Offered: Spring (odd years)

This course is a study of 20th Century Epistemology. It provides an introduction to the major figures and movements of contemporary epistemology.

Prerequisite(s): PHI 213

PHI 421 - Twentieth-century Ethics

Units: 3

When Offered: Fall (odd years)

A study of 20th century meta-ethics. The course provides an introduction, rooted in primary texts, of the major figures and movements of 20th century thought and seeks to investigate and assess these figures and movements in light of the convictions of the Christian world view.

Prerequisite(s): PHI 213

PHI 422 - Twentieth-century Philosophy

Units: 3

When Offered: Fall (even years)

A study of 20th century philosophy. The course provides an introduction, rooted in primary texts, of the major figures and movements of 20th century thought and seeks to investigate and assess these figures and movements in light of the convictions of the Christian world view.

Prerequisite(s): PHI 213

PHI 433 - Apologetics: Theory and Method

Units: 3

When Offered: Spring (even years)

An analysis of the various methods used, the logic employed, the philosophical assumptions utilized, and the potential effectiveness of the major approaches to the apologetic task currently debated by contemporary apologists.

Prerequisite(s): PHI 213

PHI 499 - Senior Project

Units: 3

When Offered: Spring

A senior capstone course designed to demonstrate the competence of Philosophy majors in the discipline and showcase their research and writing skills. The portfolio produced by the student in completion of this project must conform to the departmental guidelines for Senior Projects.

Prerequisite(s): Senior status

PHO 105 - The Camera

Units: 3

When Offered: Fall, Spring

Students will understand, and become comfortable, with the foundational use of the camera by understanding exposure through metering and the relationship between - ISO, Aperture, and Shutter Speed. Students will begin to implement foundational design elements through composition, and compression through different lens focal lengths. Students will produce and analyze photographs by employing professional photographic techniques and the introduction of a digital workflow.

PHO 110 - Fundamental Commercial Photography

Units: 3

When Offered: Fall

This course surveys contemporary genres within Commercial Photography. While introducing the practical skills of production and conceptual development, students will work to plan and execute camera-based assignments in the areas of editorial and advertising photography.

Prerequisite(s): PHO 105

PHO 120 - Fundamental Fine Art Photography

Units: 3

When Offered: Fall

This introductory course explores the conceptual and expressive principals of Fine Art Photography through lectures, discussions, assignments and field trips. Students will submit their work for critique, refining the theoretical and practical skills needed to create meaningful imagery.

Prerequisite(s): PHO 105

PHO 140 - History of Photography

Units: 3

When Offered: Fall, Spring

This course follows movements and themes in the history of photography from its inception at the turn of the 19th century to today. In this class, students will identify key works and discuss their significance in a historical context. On a more theoretical level, photography will be observed as cultural production that shapes personal and political ideology. Photographic examples will be presented from photojournalism, documentary, fine art, advertising, fashion and academia to more vernacular uses in everyday life. Through readings, discussions and assignments students will build the visual literacy needed to experience, understand and analyze images.

PHO 200 - Special Topics in Photography

Units: 3

When Offered: As offered

This course focuses on different topics in the field of photography each time it is offered.

Repeatable: May be repeated three (3) times for credit with change in topic

PHO 250 - Post-Production

Units: 3

When Offered: Spring

Through this course students will develop the technical foundation needed to process and retouch images with Adobe Lightroom and Photoshop. Students will build a professional workflow utilizing digital asset management, image selection, and global adjustments with non-destructive methods. Further pixel adjustments will be made within Photoshop for advanced retouching.

Prerequisite(s): PHO 105

PHO 310 - Intermediate Commercial Photography

Units: 3

When Offered: Spring

This course further explores the genres within Commercial Photography allowing students to begin focusing on a body of work specific to their niche within that genre. Further refinement through technical demonstrations and critique will allow students to begin to define an artistic style that is viable within the commercial marketplace.

Prerequisite(s): PHO 110

PHO 330 - Visual Storytelling

Units: 3

When Offered: Spring

This course integrates a conceptual framework and narrative structure into the photographic process. Utilizing color,

design and visual communication skills to evoke emotion, students will learn how narrative shapes messaging. The course supports students involved in a wide range of photographic disciplines where visual storytelling is critical to a work's reception.

Prerequisite(s): PHO 105

PHO 332 - Studio Photography

Units: 3

When Offered: Spring

This course will implement a practical workflow within a controlled space, utilizing the tools and techniques of studio photographers. Students will gain an understanding of light quality and how it relates to ideas, and the emotional depiction of a subject. Students will understand how to craft their lighting to the specific subject they are photographing. Labs will be hands-on, integrating professional studio practices for digital capture and utilizing industry-wide workflow standards related to the latest software and hardware.

Prerequisite(s): PHO 110

PHO 350 - Digital Printing and Color Management

Units: 3

When Offered: Fall

This course presents students with the digital workflow techniques needed to produce archival photographs. File preparation, resolution selection, print-profiling, paper selection and soft-proofing techniques will be covered. Students will learn the techniques of digital color management by applying color profiles to produce archival prints for the purpose of promotional, gallery, and printed portfolios.

Prerequisite(s): PHO 250

PHO 360 - Photo and Social Engagement

Units: 3

When Offered: Spring

This course will explore photography within the intersections of narration, representation, participation and missional outreach. Students will be tasked to produce a personal project that responds to social concerns explored through the medium of photography and will present their work for critical feedback. The class will create a final group project that engages the community within a missional context.

Prerequisite(s): PHO 110 and 120

PHO 362 - The Photographic Book

Units: 3

When Offered: Spring (odd years)

An advanced studio-based lab which will explore the traditions and practices of the photographic book from handbound artist books to more modern direct-to-publishing methods. Students will be encouraged to develop their own concepts and interpretations within the medium.

Prerequisite(s): PHO 330

PHO 363 - Photographic Documentary Methods

Units: 3

When Offered: Spring (even years)

This course explores documentary photography, and the expanding modes of the genre, as an artistic medium. The emphasis of this class will be on the process of conducting research and gaining access to subjects, as well as the

practice of editing and sequencing imagery to produce works that weave symbolism into photographic observation. The ethics of realism, from an art historical perspective, will be addressed through critical readings. Subjectivity and the capturing of human experience, will be emphasized over reportage.

Prerequisite(s): PHO 110 or 120

PHO 400 - Special Topics in Commercial Photography

Units: 3

When Offered: As offered

This course focuses on different topics in the field of commercial photography each time it is offered.

Repeatable: May be repeated three (3) times for credit with change in topic

Prerequisite(s): PHO 110

PHO 401 - Special Topics in Non-Commercial Photography

Units: 3

When Offered: As offered

This course focuses on different topics in the field of non-commercial photography each time it is offered.

Repeatable: May be repeated three (3) times for credit with change in topic

Prerequisite(s): PHO 120

PHO 415 - Advanced Commercial Photography

Units: 3

When Offered: Fall

This course encompasses an advanced approach to both studio and location photography within commercial photography. Emphasis is placed on the creative application of lighting technique and style to further develop the student's vision and commercial portfolio.

Prerequisite(s): PHO 310

PHO 432 - On Location Photography

Units: 3

When Offered: Fall

This course will challenge the photography student to tell stories outside the controlled environment and to successfully navigate lighting and viewpoint obstacles.

Prerequisite(s): PHO 332

PHO 433 - Photography Open Studio

Units: 3

When Offered: Fall, Spring

Upper division photography students focusing on their concentration will work one-on-one with their professor within a class setting to further develop their specific conceptual and technical skills that will enable them to successfully bring their vision and portfolio to completion.

Repeatable: May be repeated three (3) times for a total of nine (9) units of credit

Prerequisite(s): PHO 350

PHO 485 - Photography Business

Units: 3

When Offered: Fall

This lecture course will introduce the students to principles of self-promotion, taxes, bidding, pricing, the procurement of work and agents.

PHO 499 - Senior Show

Units: 1

When Offered: Fall, Spring

This course prepares the students for their capstone show and the pending graduation into their post-undergraduate endeavors.

Prerequisite(s): Senior status and permission of the Department Chair

PHY 101 - Concepts in Physics with Lab

Units: 4

When Offered: As offered

This is primarily a general education conceptual class in physics for those interested in understanding the fundamental laws of nature, without the delving too deeply into mathematics or other previous scientific backgrounds. We will study topics such as: the classical laws of motion, force, momentum, energy, waves, heat, sound, electrostatics, electricity, magnetism, optics, the atom, and relativity.

Fee: Additional lab fee

Prerequisite(s): MAT 115

PHY 112 - The Physics of Hollywood with Lab

Units: 4

GE Designation: I

When Offered: Spring

A study of optics, cameras, lighting, sound, analog vs. digital processes, polarization and the 3-D moving making process. The course is a very lab intensive class taught in a semi inquiry-based manner. The class and lab are heavily integrated. The course is a self contained class which includes some reviews of the math necessary to be successful in the class.

Fee: Additional lab fee

PHY 113 - Astronomy

Units: 3

When Offered: Fall

A study of the earth, time, moon, sky, celestial mechanics, solar system, and the sidereal universe.

PHY 113L - Astronomy Lab

Units: 1

When Offered: Fall

A study of the laws of physics related to the optics of telescopes. Observational labs, including remotely operating telescopes on mountain tops.

Fee: Additional lab fee(s). (Field trips may require additional lab fees)

Pre- or Co- Requisite(s): PHY 113

PHY 115 - Physics for Architects with Lab

Units: 4

When Offered: Fall

A study of mathematical methods of physics, kinematics, forces, Newton's Laws, earthquakes, fluids, work, energy, power, momentum, heat and thermodynamics, electricity, waves, light, and sound. This class will be taught in an "Inquiry- Based" manner. Lecture and lab are integrated.

Fee: Additional lab fee

Prerequisite(s): MAT 135, 145, or 245

PHY 122 - The Physics of Photography

Units: 3

GE Designation: I

When Offered: As offered

A study of the physical properties of the camera, predominantly optics. Emphasis placed on black and white, 35mm, exposing, developing and printing.

Fee: Additional lab fee

PHY 200 - Special Topics in Physics

Units: 1-3

When Offered: As offered

Various appropriate topics of different concentrations are offered each time.

Repeatable: May be repeated once with different subject matter. Student involvement in selection of topics is strongly encouraged.

PHY 201 - Physics for Engineers I with Lab

Units: 4

When Offered: Fall, Spring

This course covers topics such as units, vectors, motion (in one, two and three dimensions), Newton's laws of motion, work, kinetic and potential energy, momentum, impulse, collisions, conservation laws, dynamics of rotational motion, equilibrium, gravitation, and periodic motion. 6 hours per week of inquiry-based instruction.

Fee: Additional lab fee

Prerequisite(s): MAT 145, 245, or a B or better in EGR 182

PHY 203 - Physics for Engineers II with Lab

Units: 4

When Offered: Fall, Spring

This course covers topics such as fluids, temperature and ideal gas, electric charge and field, Gauss's Law, electric potential, capacitance and dielectrics, current, resistance and electromotive force, direct-current circuits, magnetic field and force, Ampere's and Faraday's laws, electromagnetic induction, inductance, alternating current circuits, and electromagnetic waves. 6 hours per week of inquiry-based instruction.

Fee: Additional lab fee

Prerequisite(s): PHY 201

PHY 214 - Physics I with Lab

Units: 4

When Offered: Fall

A study of mechanics, heat and thermodynamics, waves, sound, and the mathematical methods of physics.

Lecture: 3 units of lecture **Lab:** 1 unit of lab

Fee: Additional lab fee

Prerequisite(s): MAT 145 or 245

PHY 224 - Physics II with Lab

Units: 4

When Offered: Spring

A continuation of PHY 214, including a study of electricity, magnetism, electromagnetic waves, optics, and modern physics topics.

Lecture: 3 units of lecture **Lab:** 1 unit of lab

Fee: Additional lab fee

Prerequisite(s): PHY 214

PHY 301 - Astronomy II

Units: 3

When Offered: As offered

The main focus of the course is on complex concepts from extra-solar astrophysics (astronomy outside of our solar system), including star formation, stellar evolution, supernova and stellar remnants, black holes, galaxy formation, dark matter, the large-scale structure of the universe, and the Creation of the universe. The purpose of this course is to provide a broad baseline of conceptual understanding. Student will also learn how to analyze and understand new discoveries in astronomy as they are related directly to the professional astronomical community, in addition to understanding astronomy articles that are presented through more mainstream media.

Prerequisite(s): PHY 113, 201, or 214

PHY 301L - Astronomy II Lab

Units: 1

When Offered: As offered

This laboratory course focuses on studying the laws of physics related to astronomy. The purpose of this course is to give a broad experiential understanding of the process of analyzing data from telescopes, integrating real astronomical data with astronomical concepts such as the expansion of the universe and supernova explosion.

Fee: Additional lab fee

Pre- or Co- Requisite(s): PHY 301

PHY 305 - Physics of Semiconductors

Units: 4

When Offered: As offered

An introduction to the underlying mechanism and the physical operation of semiconductor devices. This includes discussion of material properties, energy band theory, carrier behavior, and electronic transport. We'll apply this to understanding pn junction diodes, bipolar junction transistors, and metal-oxide-semiconductor capacitors and field-effect transistors.

Fee: Additional lab fee

Prerequisite(s): MAT 343, and PHY 203 or 224

PHY 310 - Waves and Optics with Lab

Units: 4

When Offered: Spring

An advanced study of waves and optics, with explicit investigation into mechanical and electromagnetic waves. Topics include (but are not limited to): simple harmonic motion, superposition, dampening, forced oscillations, beats, elasticity, coupling, normal modes, polarization, constructive and destructive interference, single and double slit interference, diffraction gratings, lenses, ray optics, geometric optics, physical optics, beams, and Doppler effect. The course is a very lab intensive class taught in a semi inquiry-based manner. The class and lab are heavily integrated.

Lecture: 3 hours lecture **Lab:** 3 hours lab

Fee: Additional lab fee

Prerequisite(s): PHY 203 or 224

PHY 320 - Modern Physics

Units: 4

When Offered: Fall

An advanced study of modern physics theories. Topics include (but not limited to): relativity, photons, photoelectric effect, the Bohr-model, Heisenberg's uncertainty principle, Compton scattering, de Broglie waves, wave particle duality, wave packets, Schrodinger's equation, nuclear models, decay and reactions, Rutherford scattering.

Lecture: 4 hours lecture

Prerequisite(s): PHY 203 or 224. Recommended: PHY 310

PHY 399 - Independent Study

Units: 1-3

When Offered: As offered

This course of study is offered to afford the superior student an opportunity to explore independently subject matter not already offered in the catalog.

PHY 400 - Special Topics in Physics

Units: 1-4

When Offered: As offered

Various appropriate topics of different concentrations are offered each time.

Repeatable: May be repeated once with different subject matter. Student involvement in selection of topics is strongly encouraged.

POL 200 - Special Topics in Political Science

Units: 3

When Offered: As offered

This course examines special topics in political science. Topics are announced each time the course is offered.

Repeatable: May be taken two (2) times with change in topic

POL 213 - American Government

Units: 3

When Offered: Fall, Spring

The course provides an introductory overview of the American political system. It begins with a discussion of the principles of the Declaration of Independence, Constitution, and Bill of Rights and an examination of their impact on the country. It also covers the avenues and means of democratic citizenship and political influence in American politics. The course further examines the major political institutions in the United States: Congress, Presidency, Bureaucracy, and Courts. In order to assess the impact of government on society, the course concludes with an exploration of public policy. (Meets state requirement in United States Constitution and California Government.)

POL 223 - State and Local Government

Units: 3

When Offered: Fall, Spring

This course studies the place and responsibilities of state and local governments in the United States and how they relate with other units of government. This includes an assessment of the citizenship and participation in state and local politics, both at the individual and collective level; and then an examination of state political institutions, such as governors, state legislatures, state courts, and administration. The course also covers city and county governments, and other local units of government. Although it is comparative, special attention is given to California politics.

POL 250 - Introduction to International Politics

Units: 3

When Offered: Spring

This course begins with an examination of the relevant international relations paradigms and evaluates several foreign policy decision-making models. The course considers important actors within the international system, such as intergovernmental and nongovernmental organizations and concludes with an examination of contemporary international relations issues, such as interstate war, economic development, human rights, and trade.

POL 255 - Introduction to Comparative Politics

Units: 3

When Offered: Fall

The course begins with an overview of factors (constitutions, political systems, and political ideology) political scientists use to understand and explain variations in policy outcomes at the national level. The course also examines actors (political parties, interest groups, social movements, and public opinion), processes (elections), and political institutions from a comparative perspective. The course concludes with an overview of the public policy process and examination of specific policy areas.

POL 323 - Political Parties and Interest Groups

Units: 3

When Offered: Spring (odd years)

The study of the nature, development, organization, function, and methods of political parties. Also designed to furnish an understanding of the pluralist nature of the American system through the dynamics of group action and their methods and impact.

POL 330 - Law and Literature

Units: 3

GE Designation: I

When Offered: Fall (odd years)

This course is designed to examine the role and function of narrative in law, and the role and function of law in major works of literature, to understand better both law and literature.

POL 350 - International Relations Theory

Units: 3

When Offered: Fall (even years)

This course begins with an in-depth examination of the dominant and alternative theories found within the international relations literature. Having established a solid theoretical foundation, the course will consider important disagreements

between the dominant theories (e.g., the structure of the international system) and the corresponding predicted outcomes (e.g., conflict or cooperation within the international system). The course concludes with an examination of several contemporary international relations issues, such as globalization and terrorism.

POL 390 - Congress and the Presidency

Units: 3

When Offered: Spring (even years)

The study of the place, responsibilities, and functions of Congress and the presidency in American politics is covered. This includes congressional organization and behavior, congressional elections, party leadership, congressional rules and procedures, and the committee system, with its effect on policy. The presidency roles, powers, and functions are also examined. The president's relationship with both the media and public, other branches, presidential character and leadership are included. Both branches are examined in light of checks and balances.

POL 395 - Political Economy

Units: 3

GE Designation: I

When Offered: Fall (odd years)

This course explores the relationship between the economy and politics and provides both a description and assessment of the economy. This entails an overview of economic theory, macroeconomics, savings, investments, microeconomics and markets, inflation, monetary policy, international economics and globalization, and the role of the private sector and government.

POL 399 - Independent Studies

Units: 3

When Offered: As offered

Independent study of a specific area of political science not offered by the department. This allows a student to explore a specific area of political science on an independent basis. It is directly supervised by specific faculty in the program and has specific timetables and course requirements.

POL 400 - Special Topics in Political Science

Units: 3

When Offered: As offered

This course examines special topics in political science. Topics are announced each time the course is offered.

Repeatable: May be taken two (2) times with change in topic

POL 401 - Special Topics in Government

Units: 3

When Offered: As offered

This course examines special topics in government. Topics are announced each time that the course is offered.

Repeatable: May be taken two (2) times with change in topic

Prerequisite(s): POL 213

POL 415 - World Geography

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course studies the world's geographic areas and the outstanding human, social, and physical features of realms and regions. In doing so, special attention is given to the more important features of histories, societies, cultures, and religions of the people living in the region. It also examines the relationship between human life and natural environment. The purpose is to help students better understand the world, our relationship with the environment, and human connections around the globe.

POL 423 - Classical Political Philosophy

Units: 3

GE Designation: I

When Offered: Fall (odd years)

This course examines the origin of Western political, social, and legal thought in order to understand the present through the great political works of the past. It begins in ancient Greece in early democratic Athens and moves through Socrates, Plato, and Aristotle. From there, the course explores classical Rome, focusing on Polybius and Cicero. Since the advent of Christianity shapes the development of medieval political thought, the political thought of St. Augustine, John of Salisbury, St. Thomas Aquinas, Marsilio of Padua, Dante, and Thomas More are discussed.

POL 425 - Modern Political Philosophy

Units: 3

GE Designation: I

When Offered: Spring (even years)

This course entails a comparative study of modern social, legal, and political philosophy, from the Renaissance toward the present by focusing on the great works of the Western traditions, including Machiavelli, Hobbes, Locke, Rousseau, Montesquieu, Kant, Hegel, Bentham, Marx, Mill. The course examines the relationship between these various political philosophers and the modern political world.

POL 427 - American Political Theory

Units: 3

GE Designation: I

When Offered: Fall (even years)

This course provides an exploration of the founding of the American Republic. It begins with the colonial period, noting the relationship between religion, liberty, and politics, and then moves to ideas that shaped the American Revolution. From there it analyzes the discussions on the Constitution by both the Federalists and the Antifederalists. The course also examines the discussions surrounding the new Republic and the growth of the nation, including the struggles regarding individualism, liberty, equality, race, gender, wealth, economic regulation, and community responsibility.

POL 429 - Critical Political Philosophy and Postmodernism

Units: 3

GE Designation: I

When Offered: Spring (odd years)

This course examines 20th century responses to modernity and its political and social theories. It focuses on continental philosophers and relates their ideas to contemporary society and politics. It begins with the Frankfurt School of critical theory and its criticisms of modern culture, and then moves from Nietzschean and Heideggerian thought to the hermeneutic theory of Gadamer and Ricoeur. After this, the course assesses the political relevance of the poststructuralism of Foucault, Derrida, and Lyotard. It concludes with Habermas' discourse ethics and deliberative democracy.

POL 431 - Christianity and Citizenship

Units: 3

When Offered: Spring

This goal of the course is the development of a Christian perspective toward politics. The course begins with an examination of the important role that Christianity played in the founding of the United States. The course carefully considers a number of political worldviews and ideologies from a Christian perspective. The course analyzes the impact of Christianity on political culture and behavior in the United States. Lastly, the course introduces students to the duties and obligations of American Christians in the arena of democratic politics.

Prerequisite(s): Political Science major and Junior/Senior status

POL 435 - Campaigns and Elections

Units: 3

When Offered: Fall (even years)

The course analyzes the dominant role political parties played in the American political system in the past. The course explores the decline of American political parties in recent decades. The course considers the increasing importance of campaign consultants and interest groups. The course examines the consequences of the shift in the roles played by political parties, campaign consultants, and interest groups on the American political system. Since the nature of political campaigns strongly impacts the political agenda of successful candidates once they take office, the course devotes considerable attention to the role of campaign issues in mobilizing key groups of voters as well as the use of campaign strategies and tactics aimed at achieving electoral success.

POL 437 - Globalization

Units: 3

When Offered: Fall (even years)

The course provides a critical assessment of political economy with a special emphasis on the increasing pace of globalization. The course begins with an overview of economics, which is the study of how human beings cope with the problem of provisioning themselves. After discussing the relevant economic principles, the course examines the causes and consequences of economic globalization.

POL 439 - International Conflict

Units: 3

When Offered: Fall (odd years)

The course examines many theoretical explanations for international conflict, such as religious differences, groupthink, territorial demands, domestic politics, misperception, shifts in the balance of power, and ideological differences. Following an extensive discussion of these theories, the course analyzes relevant case studies to determine the validity and relevance of the theoretical explanations. The course concludes with an examination of the diplomatic and political options available to states and intergovernmental organizations seeking to reduce the intensity and frequency of wars in the 21st century.

POL 440 - Pre-Law Internship

Units: 1-3

When Offered: Fall, Spring, Summer

Students enrolled in this course will gain the professional experience valued by employers by utilizing knowledge acquired as Political Science majors in volunteer or paid internship positions. Students will perform relevant tasks under the direction of the Internship Site Supervisor. Students will identify and explore connections between their

internship experiences and academic coursework.

Prerequisite(s): Permission of the Department Chair and Junior/Senior status

POL 443 - Diplomatic History of the United States

Units: 3

When Offered: Spring (odd years)

This course is a history of the diplomatic relations of the United States and the development of the leading principles of foreign policy set within the context of an analysis of various geopolitical models.

POL 444 - International Law

Units: 3

When Offered: Fall (odd years)

This course will examine the development of modern international law. The course will consider the foundations of customary and conventional international laws, as well as treaties that bear upon the conduct of members of the international community.

POL 445 - American Institutions and Processes Internship

Units: 1-3

When Offered: Fall, Spring, Summer

Students enrolled in this course will gain the professional experience valued by employers by utilizing knowledge acquired as Political Science majors in volunteer or paid internship positions. Students will perform relevant tasks under the direction of the Internship Site Supervisor. Students will identify and explore connections between their internship experiences and academic coursework.

Prerequisite(s): Permission of the Department Chair and Junior/Senior status

POL 446 - International Relations Internship

Units: 1-3

When Offered: Fall, Spring, Summer

Students enrolled in this course will gain the professional experience valued by employers by utilizing knowledge acquired as Political Science majors in volunteer or paid internship positions. Students will perform relevant tasks under the direction of the Internship Site Supervisor. Students will identify and explore connections between their internship experiences and academic coursework.

Prerequisite(s): Permission of the Department Chair and Junior/Senior status

POL 447 - Public Administration Internship

Units: 1-3

When Offered: Fall, Spring, Summer

Students enrolled in this course will gain the professional experience valued by employers by utilizing knowledge acquired as Political Science majors in volunteer or paid internship positions. Students will perform relevant tasks under the direction of the Internship Site Supervisor. Students will identify and explore connections between their internship experiences and academic coursework.

Prerequisite(s): Permission of the Department Chair and Junior/Senior status

POL 450 - Research Methods in Political Science

Units: 3**When Offered:** Fall

This course examines the research methods used in Political Science. Topics addressed in the course include the philosophical and theoretical foundations of social science research; ethical issues related to research; research design; descriptive and inferential statistic analysis; survey, qualitative field, unobtrusive, and evaluation research; and qualitative and quantitative data analysis with the Statistical Package for the Social Sciences (SPSS). Students will obtain the statistical knowledge necessary to read and critique scholarly articles and books. In addition, the course will prepare students to use statistical methods in their own research in graduate school or in their professional careers.

POL 451 - Executive Leadership and Management in the Public Sector**Units: 3****When Offered:** Fall (odd years)

This course introduces students to the executive and management skills necessary for successful leadership in public organizations. Emphasis is on assessment of personal growth needs and enhancement of administrative skills, including communication, decision-making, motivation, leadership styles, and team building. (This course does not meet requirements for general education).

POL 452 - Organizational Theory and Design**Units: 3****When Offered:** Online and Professional Studies

Students will use classic and current literature to examine the fundamental questions guiding organization theory in public administration with an emphasis on reconciling democracy with bureaucratic principles and behavior.

POL 453 - Administrative Law and Bureaucracy**Units: 3****When Offered:** Spring (even years)

This course examines the place and impact of executive agencies on the formation and implementation of administrative law and regulation in the United States. This includes an overview of the administrative process, a discussion of administrative power, and bureaucratic organization. The course then examines the steps, stages, and participants of the administrative process, such as delegation of authority, administrative rule making, agency adjudication, and judicial review. The course concludes with a discussion of tort liability and sovereign immunity, the relationship between the bureaucracy and the other branches, and administrative reform.

POL 454 - International Organizations**Units: 3****When Offered:** Spring (even years)

The course begins with an examination of the relevant empirical and theoretical studies on International Organizations (IOs), with an emphasis on Intergovernmental Organizations (IGOs) in the global arena. Having established solid empirical and theoretical foundations, the course will explore the impact of international organizations on several issue areas. The second principal portion of the course will utilize the same approach in order to gain a more comprehensive understanding of international non-governmental organizations (INGOs).

POL 456 - Contemporary Legal Issues**Units: 3****When Offered:** As offered

This course is an examination of the ever-changing legal climate of law enforcement with special emphasis upon constitutional issues.

POL 465 - Policy Process and Analysis

Units: 3

When Offered: Spring (even years)

This class examines policy-making theory and practice in the United States. Theoretical models studied include rational, incremental, and institutional, group, elite, public choice, and game theory. Policy areas covered include civil rights, criminal justice, health, and welfare, education, environmental protection, economic policy, and national defense.

POL 471 - Terrorism

Units: 3

When Offered: Spring (odd years)

This course examines the origin, political goals, means, and long-term strategy of terrorism. The course distinguishes between terrorist organizations with and without state support. The course also differentiates between domestic and regional/international terrorism. The course utilizes case studies of several terrorist organizations, such as Al Qaeda, to illustrate the emergence of terrorism as a significant threat. The course concludes with an examination of the military and political options available to governments interested in reducing or eliminating the threat posed by terrorism.

POL 484 - Constitutional Law I

Units: 3

When Offered: Fall (even years)

The course facilitates an understanding of the Constitution and its relationship to the three branches of government and their functions and a greater appreciation of the role of the court in affecting their balances. Included aspects of study are the court system, judicial review, presidential power, Congress and commerce, Federalism, contracts, due process, and civil liberties.

POL 485 - Constitutional Law II

Units: 3

When Offered: Fall, Spring

This course studies the most important decisions of the Supreme Court on individual rights and the conflicts from which they have arisen, which means examining the trinity of individual values and rights in American civil liberties -- freedom, due process, and equality.

POL 490 - Contemporary Issues in Public Administration

Units: 3

When Offered: Online and Professional Studies

This course uses case studies to examine the history and scope of public administration in the United States. An emphasis is placed on both practice and theory, financial administration, problems of management, administration organization and behavior, decision-making, and intergovernmental relations.

POL 491 - Public Personnel Management

Units: 3

GE Designation: I

When Offered: Fall (even years)

The course includes theory and current practices in personnel management at the local, state, and national levels of government. Topics covered include the history and development of public personnel management, the constitutional dimensions of employment law, employee training and development, and current human resource issues such as affirmative action, sexual harassment, and cultural diversity. (This course does not meet the POL general education requirement).

POL 493 - Principles of Public Administration

Units: 3

GE Designation: I

When Offered: Spring (odd years)

This course examines the scope of public administration. Emphasis on practice as well as theory in personnel administration, financial administration, problems of management, administrative organization, merit systems, and intergovernmental relations by the use of case studies.

POL 499 - Senior Project

Units: 3

When Offered: Spring

A senior capstone course designed to demonstrate the competence of Political Science majors in the discipline and showcase their research and writing skills. The portfolio produced by the student in completion of this project must conform to the departmental guidelines for Senior Projects.

Prerequisite(s): POL 450 and Senior status

PRD 150 - Introduction to Product Design Methods

Units: 3

When Offered: Fall (odd years)

Introduction and overview of product design process and methods. Overview includes examination of the product development process from concept generation to design and manufacturing, including project management.

PRD 200 - Special Topics in Product Design

Units: 1-6

When Offered: As offered

This course explores and presents selected topics in product design.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

PRD 310 - Product Design Studio I

Units: 6

When Offered: Fall

This studio based course utilizes the creative process and methods in product design through the design of projects escalating in scale and complexity. Topics include empathetic research methods, environmental factors/ergonomics, modeling, form giving, prototyping, and communication. Studio projects will primarily consider the design of furniture.

Prerequisite(s): PRD 150 or ARC 210

PRD 312 - Product Design Studio II

Units: 6

When Offered: Spring

This studio based course examines product design problems increasing in complexity of structures and mechanisms. Studio projects will primarily consider the design of user centered commercial products for mass production in relation to the business environment including marketing, branding, merchandizing, entrepreneurship within the context of globalized marketing and manufacturing.

Prerequisite(s): PRD 310

PRD 340 - History and Theory of Product Design

Units: 3

When Offered: Spring (even years)

This lecture course examines the historical, theoretical, social and cultural context of product design and manufactured products, communication, and media from the Industrial Revolution to the present. The course will study major movements within industrial production as well as concepts of sustainability, social equity, and majority world contexts will be considered.

PRD 350 - Human Centric Design

Units: 3

When Offered: Fall (even years)

This course examines the principles and practices of human-centered design processes and products within product design. An emphasis is placed on the introduction and practiced application of empathetic design research methods and design strategies to the product design process.

PRD 380 - Materials and Processes

Units: 3

When Offered: Spring (odd years)

An overview of materials and manufacturing processes applied in production for Product Design. Emphasis will be applied to an introduction to commonly specified materials and their effect on manufacturing processes and aesthetic composition possibilities, their relationship to market feasibility, and their impact on user markets.

Prerequisite(s): PRD 150

PRD 400 - Special Topics in Product Design

Units: 1-6

When Offered: As offered

This course explores and presents non-studio based selected topics in product design.

Repeatable: May be repeated with change in topic for a maximum of nine (9) units of credit

PRD 401 - Special Topics in Product Design Studio

Units: 1-6

When Offered: As offered

This course explores and presents studio based selected topics in product design.

Repeatable: May be repeated with change in topic for a maximum of twelve (12) units of credit

Prerequisite(s): Permission of the Dean

PRD 410 - Product Design Studio III

Units: 6

When Offered: Fall

This studio based course examines product design problems exposing students to technology, materials and manufacturing processes during the development of the projects. Studio projects will primarily consider the reconciliation of user centered constraints such as socio-economic, cultural adaptability, environmental-sustainability, manufacturability, or health and safety.

Prerequisite(s): PRD 312

PRD 412 - Product Design Studio IV

Units: 6

When Offered: Spring

This studio based course examines advanced design of products and systems of increased complexity.

Prerequisite(s): PRD 410

PRD 470 - Professional Practice

Units: 3

When Offered: Spring (even years)

This course concentrates on the professional preparation and professional practice within Product Design. Topics include professional presentation, communication, and interview skills; portfolio development; administrative and legal aspects of the profession; and aspects of corporate and free-lance practices.

Prerequisite(s): PRD 150

PRL 202 - Introduction to Public Relations

Units: 3

When Offered: Fall, Spring

This course will provide an introduction to the historical, theoretical and practical aspects of public relations with focus on the role of public relations in society, as well as an examination of the communication planning process.

PRL 205 - Historical and Theoretical Foundations of Public Relations

Units: 3

When Offered: Online and Professional Studies

This course will examine the historical foundations of the field of public relations including communication and public relations theories that guide the practice. Students will learn practical application of various theories and practices including APR (Accreditation In Public Relations) standards.

PRL 300 - Public Relations

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

Principles, history and professional practice of public relations and the writing and production of materials for special events, newsletters, and brochures.

PRL 302 - Public Relations Writing

Units: 3

When Offered: Fall

This course will provide students with practical application of public relations writing process for various media with focus on targeting public using research, audience analysis, and message design.

PRL 310 - Public Relations Issues and Crisis Management

Units: 3

When Offered: Online and Professional Studies

This course will examine case studies and best practices in issues and crisis management in the field of public relations. Reputation management, effective management of issues and crisis will be taught based on practical application of various proven strategies and tactics including APR (Accreditation In Public Relations) standards for issues and crisis management.

PRL 320 - Business Literacy for Public Relations Professionals

Units: 3

When Offered: Online and Professional Studies

This course will examine business and finance terms and basic businesses practices as they relate to the field of public relations. Students will learn practical application of budgets, finance principles and best practices as they relate to public relations work and in line with APR (Accreditation In Public Relations) standards.

PRL 402 - Public Relations Research and Campaigns

Units: 3

When Offered: Spring

This course will provide students with the basic skills and practical experience to plan, develop, execute and evaluate public relations campaigns through case study analysis and actual campaign development. This will be achieved through case study analysis and team-based campaign development.

PRL 430 - Principles of International Public Relations

Units: 3

When Offered: Online and Professional Studies

This course examines principles of practicing public relations in a global setting. Students will learn practical application of various theories regarding cultural identity, research and planning campaigns for global audiences. APR, Accreditation In Public Relations standards, will be emphasized as they relate to the practice of international public relations.

PSC 133 - Survey of Physical Science

Units: 3

When Offered: Fall

A survey course designed to provide a foundation in the physical sciences by covering essential principles of motion and energy along with the structure and properties of matter. The application of physical science concepts to daily life will be emphasized.

Prerequisite(s): MAT 095 or sufficient SAT or ACT score

PSC 133L - Survey of Physical Science Lab

Units: 1

When Offered: Fall

A laboratory experience designed to illustrate and reinforce physical science principles and to introduce basic physical

science laboratory techniques.

Fee: Additional lab fee

Pre- or Co- Requisite(s): PSC 133

PSC 201 - Special Topics in Physical Science

Units: 3

Concentration upon a specific topic in the field of physical science. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

PSC 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

PSC 401 - Special Topics in Physical Science

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of physical science. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

PSC 413 - Lab Techniques for Physical Science Teachers

Units: 3

GE Designation: I

When Offered: As offered

Development and practice of classical and modern lab procedures and philosophies including mathematical analysis. Practice, organization, and set up, to conduct various labs used throughout the physical sciences. Study of conformity to various lab situations, and how to improve and modernize existing or standard labs.

Fee: Additional lab fee

Prerequisite(s): PSC 133

PST 100 - Strategies for Success

Units: 2

When Offered: Online and Professional Studies

The course is designed to prepare students for a successful transition to college coursework. Strategies, practical skills and resources for addressing anticipated personal and academic challenges will be identified. Students will be introduced to skills for proper research paper writing requirements, formatting and personal laptop computer use. Connections between students' goals and campus/program offerings will be reinforced.

PST 300 - Career and Professional Development

Units: 3

When Offered: Online and Professional Studies

This course examines and prepares students for a successful transition from undergraduate studies to graduate level coursework. This course provides students with an opportunity for assessment of career interests and capabilities, initiation and implementation of a personal development plan (PDP) or career portfolio, and feedback on personal and

career development. Strategies, practical skills and resources for addressing graduate admission requirements, and grad school expectations are addressed. Advanced computer skills in excel, PowerPoint, Word, LiveText capstone portfolio, and e-bray will be included.

PST 317 - Ethical and Biblical Principles for Leadership

Units: 3

When Offered: Online and Professional Studies

This course evaluates the principles for practicing ethical judgments and behavior that confront those in leadership positions. Students will evaluate various ethical frameworks and survey the Bible to explore and develop principles and habits for Biblically-based leadership practices. The course will also compare Biblical principles of leadership with the contemporary literature on leadership and ethics.

PST 320 - Leadership Theory and Practice

Units: 3

When Offered: Online and Professional Studies

The purpose of this course is to equip students with the skills necessary for successful leadership in public and private organizations. Emphasis is on assessment of personal growth needs and enhancement of administrative skills including communication, decision-making, motivation, leadership styles, and team building. Experiential class work will be utilized in conjunction with classic and current organizational literature so that students can appreciate the bridge linking theory and practice.

PST 405 - Cross-Cultural Leadership

Units: 3

When Offered: Online and Professional Studies

This course examines the impact of culture on concepts of leadership, values, expectations, and patterns of communication to demonstrate the importance of leading with cultural sensitivity and to assist students in developing their own strategies for effectively communicating and negotiating with individuals from varied cultures. Study is also devoted to the development and current conditions of minority/majority relations through the study of sociopolitical and economic causes; consequences of prejudice and discrimination; stereotypes and realities.

PST 410 - Organizational Development

Units: 3

When Offered: Online and Professional Studies

This course is an in-depth study of organization-wide strategies and tactics to improve organizational life and effectiveness. This course evaluates the principles and techniques for developing and improving organizations from a holistic management approach. The course will help students develop the knowledge and skills to work with the internal and external factors that impact organizational development and change in a global environment.

PST 420 - Decision-Making

Units: 3

When Offered: Online and Professional Studies

The course examines and critiques several prominent decision-making models, such as Groupthink, Rational Actor, Governmental Politics, and Organizational Process. The course will also explore steps that leaders in the public and private sector can take in order to avoid flawed decision making.

PST 430 - Conflict Resolution and Negotiations

Units: 3

When Offered: Online and Professional Studies

This course equips students with a framework to systematically evaluate the sources and stages of conflict in organizations. Students will develop the requisite frameworks and skills in principled negotiations to use conflict constructively to promote organizational and personal development.

PSY 120 - Lifespan Development for the Health Professions

Units: 3

When Offered: Fall, Spring, Summer

This course is an introduction to lifespan development which incorporates the physical, cognitive, psychosocial, and spiritual growth of individuals from conception through older adulthood with application to health care.

Lecture: Lecture only.

Prerequisite(s): Declared Communication Sciences and Disorders, Health Education, Nursing, or Pre-Nursing major

PSY 201 - Special Topics in Psychology

Units: 3

When Offered: As offered

An in-depth seminar on a selected topic within Psychology.

Prerequisite(s): PSY 213

PSY 213 - General Psychology

Units: 3

When Offered: Fall, Spring

This introductory course is a survey of the processes of adjustment, growth, learning, remembering, perception, sensation, socialization, and emotions. It is meant to better equip students to understand and articulate their own life experiences, as well as improve their understanding of the behavior of others. This course is a prerequisite to all other courses in Psychology.

PSY 301 - History and Systems of Psychology

Units: 3

When Offered: Fall, Spring

This course is an overview of the major schools of thought in psychology presented in historical, philosophical and scientific context. The methods of inquiry, terminology and theoretical systems of historical and contemporary psychology will be surveyed. The primary goal is to understand the connections and progressions of psychology throughout its development.

Prerequisite(s): PSY 213

PSY 305 - Developmental Psychology: Child

Units: 3

When Offered: Fall (even years)

This course examines the principles of psychological, cognitive, physical, spiritual and social development from conception to adolescence. A Biblical view of growth and change throughout these developmental periods will be addressed.

Prerequisite(s): PSY 213

PSY 315 - Developmental Psychology: Adolescence and Adulthood

Units: 3**When Offered:** Spring (even years)

This course examines the principles of psychological, cognitive, physical, spiritual and social development from late childhood to late adulthood. A Biblical view of growth and change throughout these developmental periods will be addressed.

Prerequisite(s): PSY 213**PSY 320 - Life-Span Development****Units: 3****When Offered:** Fall, Spring

The course addresses principles of psychological development across time and culture. Students will understand universal stages of human development, influences on individual differences and the impact of nature and nurture. The course views human development as a unit of interrelated parts, concentrating on the relationships between the mind, body, and the socio-cultural context. Specific consideration is given to issues of integration, culture, and Biblical worldview.

Prerequisite(s): PSY 213**PSY 322 - Theories of Personality****Units: 3****When Offered:** Fall, Spring

This course is a survey of theories of personality emphasizing various viewpoints, unique theoretical perspectives, functions, and development of basic attitudes and belief systems that influence behavior throughout the life span. The course equips students to actively integrate faith (i.e., biblical principles) with the theories discussed.

Prerequisite(s): PSY 213**PSY 325 - Tests and Measurements****Units: 3****When Offered:** Fall, Spring

This course is a survey of the construction, application, interpretation and evaluation of psychological tests. Theory and principles related to psychological assessment and testing will be examined. Tests used to measure general mental abilities, specific abilities and aptitudes, personality, interests and attitudes are surveyed.

Prerequisite(s): PSY 213 and BEH 350 or 383**PSY 328 - Cognitive Psychology****Units: 3****When Offered:** Fall, Spring

This course provides an introduction into the structure and processes of the mind, focusing on topics including perception, attention, memory, decision-making, and consciousness. Students will engage with research examining cognition from a behavioral, information-processing, and a physiological perspective. Additionally, students will engage with the philosophical/epistemological assumptions in the study of cognition, with relevant applications in domains such as artificial intelligence, criminal justice, and theology.

Prerequisite(s): PSY 213**PSY 335 - Group Dynamics****Units: 3****GE Designation:** M

When Offered: As offered

A study in which personal experience in a group is used to aid individuals in becoming more aware of themselves and the manner in which they affect others and in turn are affected by others. There is some consideration of the various types of groups and group processes.

Prerequisite(s): PSY 213

PSY 338 - Sensation and Perception

Units: 3

When Offered: Fall (even years)

This course is a general introduction to the scientific study of sensory processes and perceptual phenomena. The course explores how brain processes facilitate representation for psychological experiences, as well as the impact of multi-modal perceptual processes.

Prerequisite(s): PSY 213

PSY 345 - Abnormal Psychology for Nurses

Units: 3

When Offered: Fall, Spring

A study of the dynamics, cultural implications, diagnostic symptoms of abnormal behavior including neuroses, psychoses, personality disorders, psychosomatic reactions and other abnormal behavioral patterns. Textual and lecture attention will be given to the relationship of etiology and treatment from psycho-physiology and psycho-pharmacology perspectives. School of Behavioral Science majors may not take this course for credit toward their major.

Prerequisite(s): Nursing major

PSY 346 - Abnormal Psychology

Units: 3

When Offered: Fall, Spring

Study of the dynamics, cultural implications and prevention of abnormal behavior including neuroses, psychoses, character disorders, psychosomatic reactions and other abnormal personality patterns. Textual and lecture attention will be given to the impact of the environment and oppressed populations in relation to abnormal behavior.

Prerequisite(s): PSY 213

PSY 350 - Introduction to Forensic Psychology

Units: 3

When Offered: Spring

This course is designed to introduce students to the areas and issues that define forensic psychology to instill a broad understanding of the field. This broad understanding will include the areas of psychology, law, criminal justice, and forensic mental health. Students will gain a basic knowledge and understanding of the role of psychologists and application of psychological principles within the criminal justice system.

Prerequisite(s): PSY 213

PSY 360 - Sports Psychology

Units: 3

When Offered: Fall

This course describes the application of psychological concepts to sports and exercise. Emphasis is placed on issues of motivation, emotion, associative learning, imagery, and arousal regulation in regards to their influence on athletic performance and goal achievement. Included in this will be a discussion of the methodologies used to examine sports

psychology. This is a hands on course; students should expect to be involved in activities that require light to medium physical activity.

Prerequisite(s): PSY 213

PSY 376 - Art Therapy

Units: 3

When Offered: Fall (odd years)

This course is an introduction to the field of art therapy. The modern theories, methods and systems of art therapy will be surveyed. Emphasis is placed on practical application of art therapy concepts as well as the development of specific art therapy skills.

Prerequisite(s): PSY 213

PSY 388 - Industrial and Organizational Psychology

Units: 3

When Offered: Spring

This course is designed to provide an introduction to the field of Industrial and Organizational Psychology. Building upon introductory psychology and business principles, special emphasis is placed on understanding people and systems within the context of work. Employee motivation, leadership development, and change management are key areas explored in this course. Attention is also given to a critical examination, from a Christian worldview, of systemic justice issues in the workplace.

PSY 399 - Independent Study

Units: 3

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

Prerequisite(s): PSY 213

PSY 401 - Special Topics in Psychology

Units: 3

When Offered: As offered

An in-depth seminar on a selected topic within Psychology.

Prerequisite(s): PSY 213

PSY 404 - Psychopathic Mind

Units: 3

When Offered: Spring

The professional seminar introduces students to the process and techniques of investigation and psychological profiling of serial murderers, serial rapists, and terrorists.

Prerequisite(s): ANT 225, PSY 213, or SOC 213; Senior status; and permission of the Dean

PSY 422 - Theories of Counseling

Units: 3

When Offered: Fall, Spring

A survey of modern theories of therapeutic counseling with emphasis on gaining an understanding of the psychological

principles underlying these methods.

Prerequisite(s): PSY 213

PSY 440 - Internship in Human Services

Units: 3

When Offered: Fall, Spring

A practical application of basic psychological principles in community or campus responsibilities under professional supervision.

Grade Type: Pass/Fail

Prerequisite(s): PSY 213 and permission of the Dean

PSY 443 - Social Psychology

Units: 3

GE Designation: M

When Offered: Fall

This course is an examination of the psychological impact of the customs, norms, institutions, and groups upon individual behavior as influenced by social interaction.

Prerequisite(s): PSY 213

PSY 448 - Human Memory

Units: 3

When Offered: As offered

An introduction to the theories, research techniques, and empirical evidence regarding human memory. Topics to be included are short-term and long-term memory, theoretical models for remembering and forgetting, amnesia, autobiographical memory, repression, storing knowledge, eyewitness testimony, childhood memory, memory and aging. Emphasis on how these aspects of memory influence human behavior.

Prerequisite(s): PSY 213

PSY 453 - Psychology of Learning

Units: 3

When Offered: Fall (odd years)

A study of learning processes in light of the various systems of learning theory and major research evidence. Through examination of psychological perspectives, theoretical constructs, and various noteworthy behavioral scientists, students gain a further understanding of the principles of how humans, and other species, learn.

Prerequisite(s): PSY 213

PSY 458 - Motivation and Emotion

Units: 3

When Offered: Spring (odd years)

This course is an introduction to the theoretical, behavioral, and physiological aspects of emotion and motivation in humans. The role of motivation and emotion across domains such as health, education and well-being will be considered, with attention to biological, psychological, and social influences.

Prerequisite(s): PSY 213

PSY 459 - Dynamics of Religious Experience

Units: 3

GE Designation: M

When Offered: As offered

This course is an examination of the social psychological significance of religious experiences and practices viewed from their personal, cultural, and institutional aspects.

Prerequisite(s): PSY 213

PSY 473 - Psychophysiology

Units: 3

When Offered: Fall, Spring

This course is an introduction to the capacity, limitations, and complexities of the human brain and its relationship to the neural and endocrine processes underlying brain function and behavior.

Prerequisite(s): PSY 213

PSY 495 - Research Project

Units: 1-4

When Offered: As offered

Undergraduate students will participate in an independent research project in psychology, including the development of a research procedure, gaining IRB approval for the research, data collection, data analysis, and/or research write-up.

Prerequisite(s): PSY 213 and permission of the Dean

PSY 498 - Grief and Loss Counseling

Units: 1

When Offered: Spring

A seminar presentation of approaches to grief and loss and its effect on individuals and families.

Grade Type: Pass/Fail

Prerequisite(s): PSY 213

PTH 100 - Introduction to Physical Therapy

Units: 3

When Offered: Fall

This course introduces the student to the field of physical therapy by covering the history and ethics of the profession as they relate to the healthcare system. The course addresses the development of the healthcare team, philosophy of rehabilitation, interviewing patients, inter-professional communication, cultural awareness, patient confidentiality, and the psychosocial impact of illness and injury. The scope of practice of the physical therapist assistant and basic documentation is emphasized.

Prerequisite(s): Physical Therapist Assistant major

PTH 110 - Medical Terminology for the Physical Therapist Assistant

Units: 1

When Offered: Fall

This course offers students interaction with the dynamic language of healthcare. Through comprehensive study, exercises, and case studies, students will have the opportunity to be immersed in the words, abbreviations, and symbols used in healthcare.

Prerequisite(s): Physical Therapist Assistant major

PTH 130 - Functional Kinesiology and Therapeutic Exercise

Units: 3

When Offered: Fall

This course covers the study and application of human movement. Kinesiological function of muscle and muscle groups are discussed. Basic principles of therapeutic exercise are presented and applied. Developing skill competencies with manual muscle testing, therapeutic exercise, body mechanics, and posture are emphasized.

Prerequisite(s): Physical Therapist Assistant major

PTH 140 - Basic Clinical Skills

Units: 3

When Offered: Spring

This course introduces fundamental physical therapy skills. Patient data collection and recording will be developed. The student begins to describe, recognize, and apply the functional status, progression, and safety of patients in mobility activities. Developing skill competency with goniometry, palpation, positioning, draping, bed mobility, transfers, gait training, wheelchair management and mobility, vital signs, anthropometric measures, and aseptic techniques are emphasized.

Prerequisite(s): PTH 100 and 110

PTH 150 - Preparation for Clinical Practice

Units: 1

When Offered: Spring

This course is designed to prepare the student for clinical experiences. Content will include reviewing the clinical handbook, Clinical Performance Instrument (CPI), and the clinical placement and assessment process. Written and oral communication skills specific to the clinical environment, professional behaviors, and clinical expectations are emphasized.

Prerequisite(s): PTH 100, 110, and 130

PTH 170 - Physical Agents

Units: 3

When Offered: Spring

This course prepares the student for safe and effective application of physical agents and therapeutic massage for patient treatment. Mechanisms of action, indication, precautions, contraindications, and treatment procedures are covered. Pain and skin assessments, specific to the use of physical agents and therapeutic massage, are included.

Prerequisite(s): PTH 100 and 110

PTH 200 - Special Topics in Physical Therapy

Units: 3

When Offered: Fall

This course addresses special topics within physical therapy including cardiopulmonary, women's health, environmental management and safety, health behaviors and wellness, pediatrics, and geriatrics. The role of the physical therapist assistant within specialized populations will be emphasized.

Prerequisite(s): PTH 130, 140, 170, and 230

PTH 230 - Pathophysiology for the Physical Therapist Assistant

Units: 3

When Offered: Spring

This course discusses basic pathologic conditions and principles commonly treated in physical therapy. Etiology, signs, symptoms, clinical course, primary medical interventions, and implications for rehabilitation of disorders are presented.

Prerequisite(s): PTH 100 and 110

PTH 240 - Advanced Clinical Skills

Units: 3

When Offered: Fall

This course explores theory and application of advanced skills for specialized topics including prosthetics, orthotics, integumentary/wound care, dependent transfers, ergonomics, lymphedema, and aquatic therapy. Specific skills and equipment utilized in specialized areas will be presented and applied. The role of the physical therapist assistant within the progression of the physical therapy plan of care is addressed.

Prerequisite(s): PTH 130, 140, and 170

PTH 255 - Clinical I

Units: 3

When Offered: Summer

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. Students complete a full-time clinical affiliation at a facility assigned by the program faculty.

Prerequisite(s): Permission of the Department Chair

PTH 260 - Orthopedics

Units: 3

When Offered: Fall

This course presents the effects of disease, disorders, and injuries of the musculoskeletal system, as well as orthopedic diagnoses encountered by the physical therapist assistant across the lifespan. Signs and symptoms, medical/surgical intervention, physical therapy treatment, documentation, and implications for rehabilitation are covered and applied.

Prerequisite(s): PTH 130, 140, 170, and 230

PTH 265 - Clinical II

Units: 5

When Offered: Spring

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. Students complete a full-time clinical affiliation at a facility assigned by the program faculty.

Prerequisite(s): Permission of the Department Chair

PTH 270 - Neurology

Units: 3

When Offered: Fall

This course presents the effects of disease and trauma of the neurological system encountered by the physical therapist assistant across the lifespan. Physical, cognitive, social, and emotional development processes will be covered with an emphasis on integrating aspects of human development to the field of physical therapy. Neurological interventions,

therapeutic exercise, documentation, and treatment progressions are applied.

Prerequisite(s): PTH 130, 140, 170, and 230

PTH 275 - Clinical III

Units: 5

When Offered: Spring

This course provides students with the opportunity to perform delegated patient care responsibilities in a physical therapy clinical setting, with supervision. Students complete a full-time clinical affiliation at a facility assigned by the program faculty.

Prerequisite(s): Permission of the Department Chair

PTH 280 - Professional Integration

Units: 3

When Offered: Spring

This course incorporates student experiences from clinical courses into discussion, group activities, and case presentations. Students communicate, problem-solve, and present challenging cases and complicated professional situations within a group atmosphere. Students will develop a resume and a plan for obtaining a job after graduation. Students will prepare for the Physical Therapist Assistant licensure exam. Legal and ethical practices, professional success, and lifelong learning are emphasized.

Prerequisite(s): PTH 255, 260, and 270

RAD 210 - Introduction to Radiologic Science Practice

Units: 3

When Offered: Fall

This course is an introduction to the role of the Radiologic Technologist. Students will learn about the profession, including professional roles, ethics, standards, professional development, regulation, accreditation, quality management and legal issues.

Prerequisite(s): Radiologic Science major

RAD 220 - Patient Care in Radiologic Sciences

Units: 3

When Offered: Fall

This course introduces the concepts of optimal patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures are described, as well as infection control procedures using standard precautions.

Prerequisite(s): Radiologic Science major

RAD 320 - Principles of Imaging

Units: 3

When Offered: Fall

In this course students will establish a defined knowledge base of factors that govern the radiographic image production process.

Prerequisite(s): Radiologic Science major

RAD 325 - Radiographic Procedures with Lab

Units: 4

When Offered: Fall

In this course, students will develop the knowledge base necessary to perform standard imaging procedures and special studies. Consideration is given to the evaluation of optimal diagnostic imaging.

Prerequisite(s): Radiologic Science major

RAD 335 - Radiologic Procedures II with Lab

Units: 4

When Offered: Spring

In this class students will develop the knowledge necessary to perform head, chest, torso, abdominal images, and fluoroscopy procedures. Consideration is given to the evaluation of optimal diagnostic imaging.

Prerequisite(s): Radiologic Science major and RAD 325

RAD 345 - Radiologic Procedures III with Lab

Units: 4

When Offered: Fall

In this class students will obtain the knowledge necessary to perform advanced imaging of the head, abdomen, chest, fluoroscopy, trauma exams, operating room exams, and have a special procedures rotation. Consideration is given to the evaluation of optimal diagnostic imaging.

Prerequisite(s): Radiologic Science major and RAD 335

RAD 350 - Clinical Practice I

Units: 3

When Offered: Fall

Content and clinical practice experiences are designed to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency-based clinical assignments, concepts of practice, patient-centered clinical practice and professional development are discussed, examined and evaluated.

Prerequisite(s): Radiologic Science major

RAD 355 - Clinical Practice II

Units: 3

When Offered: Spring

Content and clinical practice experiences are designed to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency-based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined and evaluated.

Prerequisite(s): RAD 350

RAD 410 - Image Analysis

Units: 3

When Offered: Fall

This course provides a basis for analyzing radiographic images. Included are the importance of optimal imaging standards, discussion of a problem-solving technique for image evaluation and the factors that can affect image quality. Actual images will be included for analysis.

Prerequisite(s): RAD 355

RAD 415 - Introduction to Computed Tomography

Units: 2

When Offered: Spring

This course is designed to provide entry-level radiography students with an introduction to and basic understanding of the operation of a computed tomography (CT) device. Content is not intended to result in clinical competency.

Prerequisite(s): RAD 355

RAD 420 - Radiographic Medicine with Lab

Units: 4

When Offered: Spring

This course provides basic concepts of pharmacology, venipuncture and administration of diagnostic contrast agents and intravenous medications. The appropriate delivery of patient care during these procedures is emphasized.

Prerequisite(s): RAD 410 and 450

RAD 440 - Radiologic Biology and Physics

Units: 3

When Offered: Spring

This course provides an overview of the principles of the interaction of radiation with living systems. Radiation effects on molecules, cells, tissues and the body as a whole are presented. Factors affecting biological response are presented, including acute and chronic effects of radiation. In addition, this course establishes a basic knowledge of atomic structure and terminology. Also presented are the nature and characteristics of radiation, x-ray production and the fundamentals of photon interactions with matter.

Prerequisite(s): Radiologic Science major

RAD 450 - Clinical Practice III

Units: 3

When Offered: Fall

Content and clinical practice experiences are designed to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency-based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined and evaluated.

Prerequisite(s): RAD 355

RAD 455 - Clinical Practice IV

Units: 3

When Offered: Spring

Content and clinical practice experiences are designed to sequentially develop, apply, critically analyze, integrate, synthesize and evaluate concepts and theories in the performance of radiologic procedures. Through structured, sequential, competency-based clinical assignments, concepts of team practice, patient-centered clinical practice and professional development are discussed, examined and evaluated.

Prerequisite(s): RAD 450

RAD 494 - Radiologic Fluoroscopy

Units: 2

When Offered: As offered

This course provides an introduction to the fluoroscopic imaging system and methods of reducing public and occupational doses of radiation. The course prepares students for national certification and the California Fluoroscopy Permit Exam.

Prerequisite(s): Permission of the Department Chair

RAD 495 - Radiologic Sciences Capstone

Units: 1

When Offered: Spring

In this course, students will reflect on their classroom, lab, and clinical experiences, culminating in a portfolio of their academic experience. In addition, students will begin preparing to take licensure and certification examinations that will qualify them to practice as professional radiographers.

Prerequisite(s): RAD 450

RAD 496 - Comprehensive Review

Units: 3

When Offered: Fall

This course is designed to prepare students for the American Registry of Radiologic Technologists (ARRT) exam in Radiography. This course will provide a comprehensive review that will prepare students to successfully pass their ARRT board exam. This course will include a mock board review exam.

Prerequisite(s): Radiologic Science major

REM 301 - Real Estate Principles

Units: 3

When Offered: Fall

This introductory course will review real estate terminology, real estate law, real estate finance, mortgages, taxes, escrow, acquisition and transfer of real property, liens and encumbrances, leases, contracts, unlawful discrimination, agency, business principles, and ethics.

REM 306 - Real Estate Development

Units: 3

When Offered: As offered

This course is designed to provide an overview of the real estate development process with an emphasis on analysis, risk management, and decision-making relative to changing economic, environmental, institutional, regulatory, and social contexts. Topics discussed include but are not limited to market analysis, feasibility analysis, site acquisition, due diligence, zoning, entitlements, approvals, site planning, building design, construction, financing, leasing, and ongoing management and disposition.

REM 336 - Real Estate Practice

Units: 3

When Offered: Spring

Subjects discussed in this course are the major topics of Law, Agency Issues, Contracts and Closings, Financing, Taxation, Leasing and other practical topics geared toward the successful practice of real estate. This course focuses on what it takes to succeed in the real estate business. Field work required.

Prerequisite(s): REM 301

REM 406 - Real Estate Law

Units: 3

When Offered: Fall (even years)

An examination of the fundamentals of real estate from a legal perspective. Topics include: contracts, real property rights and ownership, agency law, landlord and tenant rights, liens, encumbrances, land use, title, and real estate licensure laws.

Prerequisite(s): REM 301

REM 436 - Real Estate Finance

Units: 3

When Offered: Spring (odd years)

An intermediate finance course reviewing the role of finance in the real estate marketplace. Course topics include: residential and commercial mortgages, interest rates, appraisal, underwriting, income property and investment analysis, risk, valuation, taxation, the secondary mortgage market, and REITS.

Prerequisite(s): REM 301

RUS 115 - Russian I

Units: 3

GE Designation: M

When Offered: As offered

The course concentrates on developing basic skills in listening, reading, speaking, and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Russian at the beginning level. This course includes discussion of Russian culture and daily life. It is presumed that the student's vocabulary will grow as the new rules of grammar are studied during this course.

RUS 125 - Russian II

Units: 3

GE Designation: M

When Offered: As offered

The course concentrates on continuation of developing basic skills in all four areas of language studies: listening, reading, speaking, and writing. Emphasis is placed on conversation, acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Russian at the beginning intermediate level. Continued discussion of Russian culture and daily life. It is presumed the student's vocabulary will grow as the new rules of grammar are studied during the course. Since the ability to read and the phonology of language are already acquired in the beginning course, the class will create an advanced ability to comprehend and communicate in Russian.

Prerequisite(s): RUS 115

SCI 120 - Marine Science with Lab

Units: 4

When Offered: Fall, Spring

A consideration of the sea as a biological environment, of the biota, and of the interrelationships existing between marine organisms and the physical, chemical, and biological aspects of their environments. The course provides a field and laboratory course emphasizing identification and life histories of marine organisms. Does not meet the science/lab requirement for Liberal Studies waiver.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

SCI 200 - Special Topics

Units: 3

When Offered: As offered

Concentration upon a specific topic in the field of Science. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

SCI 200L - Special Topics Lab

Units: 1

When Offered: As offered

This laboratory course will be offered in conjunction with the special topics course to provide instruction with hands on experience. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

SCI 205 - Introduction to Forensic Science with Lab

Units: 4

When Offered: Spring

In this course students will integrate and apply concepts from a variety of disciplines such as chemistry, physics, biology, mathematics, etc., to the study of forensic science. The theoretical foundations of common forensic science techniques will be covered along with applications to specific forensic scenarios.

Lecture: 3 units **Lab:** 1 unit

Fee: Additional lab fee

SCI 303 - Science and Faith

Units: 3

GE Designation: I

When Offered: As offered

A study of the various different models of integrating science and religion. A study of the history and recent developments, philosophies, and concepts in both science and theology. Focus is placed in particular on Christian worldviews.

Prerequisite(s): Previous coursework in Science and Christian Studies

SCI 303L - Science and Faith Lab

Units: 1

When Offered: As offered

A laboratory experience designed to enhance the specific scientific discoveries discussed in lecture.

Pre- or Co- Requisite(s): SCI 303

SCI 311 - Genetic Engineering and Society

Units: 4

GE Designation: I

When Offered: As offered

This is an interdisciplinary course involving studies from a variety of disciplines including but not limited to: science, philosophy, religion, law, and behavioral science. We will study the science behind the human genome and stay abreast of the continuing developments within the Human Genome Project. In addition, we will study the scientific, ethical, legal and social implication of the Human Genome Project and genetic engineering in general. Previous coursework in some of the following disciplines is recommended: science, religion, philosophy, ethics, and behavioral science.

Lecture: 3 units lecture and 1 unit of seminar

Prerequisite(s): Sophomore status

SCI 323 - History and Philosophy of Science

Units: 3

GE Designation: I, M

When Offered: As offered

A study of the developments, philosophy, and concepts of science and the contributions of great scientists. Focus is based on issues related to the Bible and religious worldviews. Emphasis is placed on the mathematical and physical sciences.

SCI 401 - Science and Technology: Its Impact Upon Society

Units: 3

GE Designation: I

When Offered: As offered

Discusses the interaction between science and its products on our changing society. Emphasis is on the scientific method; modern topics in the physical sciences such as nuclear power, government involvement, restoration/management, genetic engineering, ethics, and future challenges.

SCI 412 - Topics Marine Science

Units: 1-4

When Offered: As offered

This class deals with research projects and topics of current or historical interest which are not normally covered in other established courses. Content variable from year to year.

Prerequisite(s): BIO 148

SOC 200 - Special Topics in Sociology

Units: 3

When Offered: As offered

An in-depth seminar on a selected topic within the Behavioral Sciences.

Repeatable: May be repeated for credit with a change in topic

Prerequisite(s): BEH 100 or SOC 213

SOC 213 - Introduction to Sociology

Units: 3

GE Designation: M

When Offered: Fall, Spring

A general introduction to the scientific study of human behavior in social settings. It includes major theories of human behavior in terms of culture, socialization, primary groups, stratification and social class, population, family, religion, and social change.

SOC 301 - Self and Society

Units: 3

When Offered: Online and Professional Studies

Self and society seeks to answer the process questions concerning the ways and the reasons social forces affect social

outcomes, often by affecting the thinking and action of individuals in society. Although the specific topics investigated by microsociologists range widely the focus on external social influences on individual attitudes and social interaction remains the constant perspective, which unifies the field. The will apply that perspective to a range of topics generally concerned with how we influence others and are, in turn, influenced by them.

SOC 323 - Marriage and the Family

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course addresses the social institutions of marriage and family using a theoretical and research-based approach to examine the social, behavioral, and psychological aspects as they are practiced in American culture. The course discusses dating, mate selection, the experience of marriage, marital challenges, and diversity in family forms. The course defines and evaluates marriage and the family from sociological, psychological, and biblical perspectives.

SOC 335 - Social Problems

Units: 3

When Offered: Spring

A study of the nature and meaning of social problems and deviant behavior in American Society. The incidence and characteristics of selected social problems of major public interest will be explored.

Prerequisite(s): BEH 100 or SOC 213

SOC 337 - Deviant Behavior

Units: 3

When Offered: Fall

This course primarily examines the definition and social construction of deviant behavior. Major sociological perspectives and theories will be applied. Specific topics of exploration include various forms of interpersonal violence, suicide, mental disorder, sexuality, substance use and abuse, and internet deviance.

Prerequisite(s): BEH 100 or SOC 213

SOC 338 - Group Dynamics and Social Movements

Units: 3

When Offered: Spring

The course addresses the sociological and social psychology dimensions of group behavior, the influences on the socialization of the individual, social interaction and impacts on patterned roles and authority structures. Theories will be applied in group experiences, observations, writing, and problem solving.

Prerequisite(s): SOC 213

SOC 345 - Race and Ethnicity

Units: 3

When Offered: Spring

This course will focus on the sociological approach to the ascribed statuses of race, class, and gender in American Society. Also explores how these social concepts are perceived, reinforced, and altered through social institutions, social interaction, media influence, and the dynamics of social change.

Prerequisite(s): BEH 100 or SOC 213

SOC 347 - Sociology of Gender

Units: 3

When Offered: Spring

An examination of the way in which macro institutions and micro institutions structure gender relations in society, and how gender in turn structures and stratifies the social order. From the perspective of personal identity, we will ask how it is that we experience ourselves as male and female. The social consequences of gender stratification are considered including such substantive topic areas as the sexual division of labor, sexual politics, and sexual violence.

SOC 348 - Sociology of Aging

Units: 3

When Offered: Spring

This course will critically look at aging as a social process in addition to its biological and psychological components. Additionally, it will identify the aging population in our present society, the various social experiences associated with aging as well as the socioeconomic issues related to aging.

SOC 349 - Sociology of Religion

Units: 3

When Offered: As offered

This course examines and applies social science theories and perspectives to understanding the human and social construction of religion, including the examination of how religious groups are organized, their cultural settings, political and economic correlates, and capabilities as agents of social change. In addition, the course explores the intersection between the secular social construct of religion, the cultural-Christian expression of religion, and the biblical model of kinship relations and community.

SOC 352 - Sociology of Health and Illness

Units: 3

When Offered: Online and Professional Studies

This course applies sociological principles to medicine, health, illness, and healthcare. Topics include but are not limited to: medical and sociological models of illness, epidemiology, epidemics, an (abbreviated) history of medicine in the West, public health, the social stratification of illness, medicalization and de-medicalization of illness, disability, individuals' experience of illness, the medical profession, healthcare systems in developing countries, healthcare provision, access and delivery, complementary and alternative healthcare, and, the contemporary U.S. health movement.

SOC 355 - Social Stratification

Units: 3

When Offered: Fall

This course explores the development, patterns, structures, and consequences of social inequality, with emphasis on social progress, how American institutions are affected, and how social interactions react to institutionalized inequality. Dynamics of resistance and social change are also discussed.

Prerequisite(s): BEH 100 or SOC 213

SOC 381 - Social Theory

Units: 3

When Offered: Fall

This course introduces classical and contemporary sociological theories to examine the fundamental forces that influence human interactions in daily living. Specific emphasis is given to the relationships between social institutions,

social and economic power, socially constructed reality, and cultural effects on individual identity, expression, and opportunities in society. Recognition of the differences between the secular patterns of norms and behaviors are paralleled with faith integration on constructs of beliefs and behaviors.

Prerequisite(s): BEH 100 or SOC 213

SOC 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

Prerequisite(s): BEH 100 or SOC 213

SOC 400 - Special Topics in Sociology

Units: 3

When Offered: As offered

An in-depth seminar on a selected topic within the Behavioral Sciences.

Repeatable: May be repeated for credit with a change in topic

Prerequisite(s): BEH 100 or SOC 213

SOC 440 - Internship in Sociology

Units: 3

When Offered: Fall, Spring

This course is practical application of basic sociological principles in community or campus responsibilities under professional supervision.

Grade Type: Pass/Fail

Prerequisite(s): SOC 213 and permission of the Dean

SPA 110 - Spanish for Health Care Professionals I

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course is designed to introduce the non-native Spanish speaking nursing student to basic vocabulary, phrases, and cultural considerations necessary to communicate effectively with Spanish speakers in a healthcare setting. The course will prepare nursing students to perform daily activities and tasks such as collecting and assessing a medical history, assessing health risks, and making appointments with Spanish speaking patients. There is no language prerequisite for the course, but students may find prior language learning experience useful. Students wishing to acquire general conversational skills or fluency in Spanish should enroll in traditional Spanish language classes.

SPA 115 - Elementary Spanish I

Units: 3

GE Designation: M

When Offered: Fall, Spring

A study of the fundamentals of the Spanish language. Emphasis is on the ability to write, read, speak, and understand simple Spanish through a variety of activities, both in and out of the classroom, homework assignments, and language lab participation. Must pass with a C- or better to continue in SPA 125.

SPA 120 - Spanish for Health Care Professionals II

Units: 3

GE Designation: I, M

When Offered: Fall, Spring

This course is designed for students in the nursing program who have learned basic Spanish phrases and vocabulary relevant to healthcare professions. The course will afford nursing students the opportunity to perform daily activities and tasks such as collecting and assessing a medical history, assessing health risks, making appointments, etc. with Spanish speaking patients in a public health setting. This course involves regular field experience in public healthcare setting.

Prerequisite(s): SPA 110 or 115

SPA 125 - Elementary Spanish II

Units: 3

GE Designation: M

When Offered: Fall, Spring

Completion of the fundamentals of the Spanish language with emphasis upon correct pronunciation and mastery of a practical vocabulary. Practice on oral and written expression through a variety of activities, both in and out of the classroom, homework assignments, and language lab participation. Simple study of Hispanic civilization.

Prerequisite(s): SPA 110 or 115

SPA 213 - Intermediate Spanish I

Units: 3

GE Designation: M

When Offered: Fall, Spring

A review of Spanish grammar with special emphasis upon idiomatic language and verb forms. Conversation, translation, composition, and collateral reading of modern Spanish prose.

Prerequisite(s): SPA 120, 125, or equivalent

SPA 223 - Intermediate Spanish II

Units: 3

GE Designation: M

When Offered: Fall, Spring

Continued grammar review and reading, translation, and interpretation of modern Spanish poetry and prose. Classroom activities are supplemented with a variety of homework assignments and language lab participation.

Prerequisite(s): SPA 120, 125 or equivalent

SPA 233 - Intermediate Conversational Spanish

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course takes a functional, integrated skills approach for intermediate students of Spanish. The course is a two-skills communicative based program (oral /aural).The course develops language proficiency and an awareness and appreciation of Latin American culture. The course will provide comprehensible input in a low anxiety environment in order to enhance second language acquisition. The course is designed to put into practice the thematic vocabulary that has been presented during the elementary and intermediate courses.

Prerequisite(s): SPA 120, 125 or equivalent

SPA 305 - Conversational Spanish for the Professions

Units: 3

GE Designation: M

When Offered: Spring (even years)

This course takes a functional, integrated skills approach for intermediate students of Spanish. The course will provide comprehensive input in a low anxiety environment in order to enhance second language acquisition. The course is designed to build Spanish conversational skills within diverse professional settings.

Prerequisite(s): SPA 120 or 125

SPA 315 - Oral Traditions

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course explores the use of myths, folk tales, and fairy tales present in twentieth and twenty-first century Spanish literature, while focusing on critical reading and ways of writing about literature. Throughout this course, students will gain a basic understanding of current literary theory and literary strategies, while examining modern Spanish literary works within their socio-historical context.

Prerequisite(s): SPA 213, 223, 233, or 305

SPA 324 - Iberian Civilization and Culture

Units: 3

GE Designation: M

When Offered: Spring (even years)

A study of the civilization and culture of Spain from the formation of Iberian civilization to the present. This study covers history, geography, art, architecture, literature and other aspects of civilization and culture. This course is conducted in Spanish and provides the background for studies in Iberian Literature.

Prerequisite(s): SPA 223 or 233

SPA 325 - Spanish Grammar in Context and Composition

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course reviews elementary and intermediate level structures of Spanish and introduces advanced grammatical constructions. Emphasis is placed on developing correct writing skills in the Spanish language.

Prerequisite(s): SPA 223 or 233

SPA 330 - Hispanic Literature and Film

Units: 3

When Offered: Fall (even years)

This course examines a selection of feature literary masterpieces and films from Spain, Mexico, Argentina, and Peru using film theory, cultural theory, and feminist approaches. This course evaluates the importance and correlation between literary and film studies with the present. The objective of this course is to rethink the relationship between visual cultural production and concepts of gender and social change.

Prerequisite(s): SPA 213, 223, or 233

SPA 335 - Spanish in the Professions

Units: 3

GE Designation: M

When Offered: Spring (odd years)

Study of the application of linguistic skills in a professional setting.

Prerequisite(s): SPA 213, 223, 233, or 305

SPA 337 - Advanced Spanish for Healthcare Professions

Units: 3

When Offered: Fall (odd years)

This course is for students in medical fields who will often come into contact with Spanish speaking persons in medical situations both in their professions and during preparation for these professions. This course is designed to prepare students for such situations focusing on the correct use of medical terminology in Spanish. Students will be able to interview patients and record their medical histories accurately and completely, as well as explain correctly, and in a culturally appropriate way to this type of patient the medical tests and procedures needed. Emphasis will be placed on terms most commonly used in communication between a health care provider and a patient.

Prerequisite(s): SPA 213, 223, or 233

SPA 339 - Modern Mexican Literature and Film

Units: 3

When Offered: Fall (odd years)

This course provides an introduction to the study of Mexican literature and film of the twentieth and twenty-first century. In this course, students will learn to analyze and interpret masterpieces in a variety of genres. Students will develop literacy and analytical skills in reading, interpreting, and writing Spanish. This course also provides an introduction to the study and application of film theory and literary criticism.

Prerequisite(s): SPA 213, 223, or 233

SPA 345 - Survey of Iberian Literature I

Units: 3

GE Designation: M

When Offered: Spring (odd years)

Covers multiple genres of literature produced in Spain from ancient times to the 16th century.

Prerequisite(s): SPA 223 or 233

SPA 365 - Survey of Iberian Literature II

Units: 3

GE Designation: M

When Offered: Fall (odd years)

This course studies major works in Iberian literature written from the Golden Age to present times. Many literary movements come to life throughout the study of these works. This course brings forth the conflict between tradition and reform that characterized Spanish literature throughout the last centuries.

Prerequisite(s): SPA 223 or 233

SPA 399 - Independent Study

Units: 1-3

GE Designation: M

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

SPA 400 - Special Topics

Units: 1-3

GE Designation: M

When Offered: As offered

Focuses on a different topic each time offered.

Repeatable: May be repeated with change in subject matter.

SPA 414 - Latin American Literature I

Units: 3

GE Designation: M

When Offered: Spring (even years)

Explores Latin American literature from early periods to the 19th century. Emphasis will be placed on different genres arising from both indigenous traditions, ethnographical narratives of the conquest, and major works written during the colonial and emancipation periods.

Prerequisite(s): SPA 223 or 233

SPA 424 - Latin American Literature II

Units: 3

GE Designation: M

When Offered: Fall (even years)

This course studies major works in Latin American literature written from the nineteenth century to present times.

Emphasis is placed on literary movements and genres that came to life during these centuries, among them:

Modernism, Postmodernism, Revolutionary Narratives, Indigenous Novels, and Vanguard Poetry.

Prerequisite(s): SPA 223 or 233

SPA 450 - Research in Literature

Units: 3

GE Designation: M

When Offered: Fall (odd years)

This course reviews and organizes the linguistic, literary, and cultural knowledge acquired by students throughout their course of studies in the Spanish program. Students will demonstrate this knowledge and their advanced proficiency levels in oral and written Spanish by developing and presenting research papers, essays, literary analysis and critical theories.

Prerequisite(s): SPA 223

SPA 465 - Spanish-English Translation and Interpretation

Units: 3

When Offered: Spring (odd years)

This course will serve as an introduction to translation theory and practice between Spanish and English. Emphasis is placed on practical simultaneous interpretation. The course will also provide an introduction to Spanish linguistics and will give a general overview of phonology, morphology, and comparative English/Spanish syntax.

Prerequisite(s): SPA 213, 223, or 233

SPA 499 - Capstone

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course reviews and organizes the linguistic, literary, and cultural knowledge acquired by senior students throughout their course of studies in the Spanish program. Students will demonstrate this knowledge and their advanced proficiency levels in oral and written Spanish by developing and presenting a capstone portfolio.

Prerequisite(s): Senior status

SRF 201 - Introduction to Sport Recreation and Fitness Management

Units: 3

When Offered: Online and Professional Studies

The purpose of this course is to present historical, philosophical, and social aspects in leisure service management. This course encompasses a variety of services, including recreational sport management, outdoor and adventure recreation, and health and fitness. Students will explore a variety of career options and concentrated interests to prepare for challenging careers in the growing field of sport, recreation and fitness.

SRF 250 - Financial Principles for Sport Recreation and Fitness Management

Units: 3

When Offered: Online and Professional Studies

This course examines the financial tools that are essential to sport, recreation and fitness managers. Principles of financial management, financial business structure, and planning and forecasting processes that make organizations effective in sport, recreation, and fitness organizations will be explored. The practical application of financial principles for both business and personal life are incorporated.

SRF 310 - Legal Aspects of Sport Recreation and Fitness

Units: 3

When Offered: Online and Professional Studies

This course provides an understanding of the American legal system and its response to sport, recreation and fitness related disputes. Material includes legal terminology, liability, risk management, personnel issues, Title IX, and various issues facing today's teachers, coaches, athletic administrators, and fitness professionals.

SRF 320 - Ethical Considerations in Sport Recreation and Fitness

Units: 3

When Offered: Online and Professional Studies

This course focuses on value systems and their role in ethical leadership. Ethical issues in sport, recreation and fitness disciplines are examined, with the application of fundamental principles in guiding ethical discussion, assessment and evaluation. This course will include an examination of relevant ethical considerations and the development of leadership in the domains of sport, recreation and fitness.

SRF 410 - Special Populations in Sport Recreation and Fitness

Units: 3

When Offered: Online and Professional Studies

This course incorporates various dimensions of wellness (physical, social, emotional, intellectual, spiritual, and vocational) as they pertain to special populations. Students will examine practical solutions to address physical

inactivity and specific approaches that promote active lifestyles among youth, older adults, and persons with disabilities. Safe and effective health and fitness recommendations will be explored.

SRF 420 - Facility Planning and Design Management

Units: 3

When Offered: Online and Professional Studies

This course introduces students to practical applications used in project analysis through design synthesis that sport, recreation and fitness professionals should be aware of during facility planning and design. Aspects of construction, managing equipment, safety and control, supervision, space utilization, project accounting and scheduling, and maintenance will be explored.

SRF 430 - Event Programming in Sport Recreation and Fitness

Units: 3

When Offered: Online and Professional Studies

This course will explore the competencies necessary for managing and operating sport, recreation and fitness events such as tournaments, 5K run events, banquets, fundraisers, stadium events, etc. Students will explore strategies and tactics to guide professionals through the event planning and implementation process, starting with the earliest stages of event design. Conceptualization, staffing, budgeting, financing, promoting, securing, managing, and post-event follow-up will be incorporated.

SRF 490 - Organization and Administration of Sport Recreation and Fitness Management

Units: 3

When Offered: Online and Professional Studies

This course provides students with an understanding of management functions in organizations that deliver sport, recreation and fitness programs. Students will learn key elements in organizational development and planning, issues related to interagency collaboration, contracts, and successful marketing. In addition, financial management, human resources, facility maintenance, employee development, communication, and evaluation will be explored.

SSC 394 - Social Science in the Classroom

Units: 3

GE Designation: I, M

When Offered: As offered

The course introduces classroom pedagogical issues specific to teaching social science at the secondary level as an orientation to a teaching career. Emphasis will be given to fieldwork, teaching methods, administrative expectations, and professional exposure in the content area.

STA 144 - Introduction to Statistics

Units: 3

When Offered: Fall, Spring

Mathematical theory and applications, development of formulae, principles of statistical decision theory, descriptive measurements, probability concepts, random variables, normal distribution, inferential statistics, sampling distributions, confidence intervals, hypothesis testing, chi-squared procedures, linear regression, and the use of computers in statistics.

Prerequisite(s): MAT 115 or sufficient SAT, ACT or math placement exam scores and appropriate high school mathematics background

STA 205 - Applied Linear Regression

Units: 3

When Offered: Spring (even years)

This course represents a basic concepts and methodology course in regression analysis using application of general linear regression models to real-life situations. Case studies are used to give practice in diagnosing practical problems, deciding on appropriate models, and knowing which inferential technique will answer the researcher's questions for the purposes of description and prediction. Regression models and model building typical of problems used in the social and behavioral sciences, the natural and health sciences, and many other disciplines are covered.

Prerequisite(s): STA 144

STA 210 - Statistical Computing I

Units: 3

When Offered: Fall (odd years)

An introduction to data mining, management and statistical programming techniques using comprehensive and widely available tools like SAGE, SPSS, SAS and R. Students learn exploratory data analysis, coding and manipulation of variables, database management applying statistical concepts. Modeling and simulation experiments on a variety of applied data sets.

Prerequisite(s): STA 144

STA 211 - Statistical Computing II

Units: 3

When Offered: Spring (even years)

A continuation of Statistical Computing I using comprehensive and widely available tools like SAGE, SPSS, SAS and R. Advanced techniques will be covered including (but not limited to) numerical linear algebra, optimization and nonlinear equations, the EM algorithm, Laplace approximations, quadrature methods, simulation methodology, sampling, Monte Carlo and bootstrap methods.

Prerequisite(s): STA 210

STA 303 - Research and Experimental Design

Units: 3

When Offered: Fall (odd years)

This course studies experimental designs with corresponding models and analyses critical for students in the empirical sciences. Course topics include estimation, test of hypothesis, analysis of variance and a variety of topics in experimental design. Decisions and practical considerations which minimize experimental error and avoid confounding results are dealt with in real life contexts.

Prerequisite(s): STA 144

STA 305 - Sampling and Survey Methodology

Units: 3

When Offered: Fall (even years)

Sampling theory and practice are presented in this course through a study of simple random samples, stratified random samples, cluster sampling, estimating sample size, ratio estimates, subsampling, two-state sampling and analysis of sampling error. This is a critical course for students in education and the social, medical, biological and management sciences where sampling is a fundamental step in virtually every statistical procedure and critical to meaningful survey research.

STA 310 - Mathematical Statistics I

Units: 3

When Offered: Fall (even years)

The first semester of a two-semester course providing a systematic development of the theories of probability and statistics. Students learn and use fundamental concepts of probability models, random variables and their distributions, reduction of data, estimation, testing of hypotheses, univariate normal inference, and statistical decision theory. The first semester is required for BA and BS statistics majors of all concentrations.

Prerequisite(s): MAT 353

STA 311 - Mathematical Statistics II

Units: 3

When Offered: Spring (odd years)

Second semester course in a systematic development of the theories of probability and statistics. Topics include analysis of categorical data, multivariate distributions, nonparametric inference, linear models and analysis of variance. As time permits, the theory underlying Markov chain, Monte Carlo, quasi-likelihood, empirical likelihood, statistical functionals, generalized estimating equations, the jackknife, and the bootstrap are addressed.

Prerequisite(s): MAT 303, 343, and STA 310

STA 320 - Financial Mathematics I

Units: 3

When Offered: Fall (even years)

An introduction to the fundamental concepts of financial mathematics including basic interest theory. These concepts will be applied in calculating present and accumulated values for various streams of cash flows as a basis for future use in: reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and valuing contingent cash flow.

Prerequisite(s): MAT 245

STA 321 - Financial Mathematics II

Units: 3

When Offered: Spring (odd years)

A continuation of the fundamental concepts of financial mathematics including the basics of financial economics and an introduction to financial instruments, including derivatives, and the concept of no-arbitrage as it relates to financial mathematics.

Prerequisite(s): STA 320

STA 360 - Data Visualization

Units: 3

When Offered: Spring (even years)

This course provides the tools to create and critically evaluate data visualizations. Focus will be on statistical graphics, graphics that display statistical data. Additionally, recent advances in the field of information visualization will be covered.

Prerequisite(s): STA 144

STA 362 - Advanced Statistical Computing

Units: 3**When Offered:** Fall (even years)

A course to introduce statistical models of advanced least squares regression and standard ANOVA techniques and extensions to categorical data. Students will conceptually understand linear mixed effects models, log linear and generalized linear models for count data; and survival models for the analysis of lifetime data. In addition, students will apply these models to real data, to discern patterns and conclusions, and present their results.

Prerequisite(s): STA 205 and 210**STA 364 - Applied Statistical Methodology****Units: 3****When Offered:** Spring (odd years)

A course in application of parametric and nonparametric single and multivariable data analytic techniques to sports. Topics will include: linear regression, correlation, confounding and interactions, variable selection, categorical predictors and outcomes, logistic regression, factor analysis, discriminant analysis, and regression techniques with longitudinal data.

Prerequisite(s): STA 210**STA 399 - Independent Study****Units: 1-3****When Offered:** As offered

This course of study is offered to afford the superior student an opportunity to explore independently subject matter not already offered in the catalog.

Repeatable: May be repeated for a maximum of three (3) units of credit.**STA 400 - Special Topics****Units: 1-3****When Offered:** As offered

A seminar course offered upon sufficient demand covering appropriate of different concentrations each time. Student involvement in selection of topics is strongly encouraged.

Repeatable: May be repeated with change of topic for a maximum of six (6) units of credit**STA 460 - Sports Analytics Seminar****Units: 1****When Offered:** Spring (odd years)

This course enables students to examine theory and applications of data science and analytics to the field of sports performance, administration, and player rehabilitation. Students will evaluate evidence based literature related to statistical analysis to determine whether a published study has reliable results which can be used in translating evidence to practice. Topics may include aspects of sports strategy, team and player performance, team and franchise management, officiating and refereeing, coaching and training issues, fan support and marketing, fantasy competitions, and contemporary topics of metrics and technology use (limitations and extensions).

STA 462 - Measurement and Evaluation**Units: 3****When Offered:** Fall (odd years)

This course is designed to develop an understanding of measurement and evaluation concepts. Measurement and evaluation topics relevant to construction and use of assessment in the psychomotor, cognitive and affective domains

will be covered. Class activities include collection, analysis of data, and evaluation of instruments for personal and program evaluation.

STA 470 - Seminar in Financial Mathematics

Units: 2

When Offered: Fall

An overview of topics from financial mathematics including interest theory and financial economics.

Repeatable: May be repeated one time for credit.

Prerequisite(s): STA 321

STA 480 - Seminar in Probability and Statistics

Units: 2

When Offered: Spring

An overview of topics from probability and statistics including general probability, univariate distributions, and multivariate distributions, as well as, calculus and basic concepts of insurance and risk management.

Repeatable: May be repeated one time for credit.

Prerequisite(s): MAT 343 and 353

STA 490 - Research in Statistics

Units: 1-4

When Offered: As offered

The focus of this class is an independent research project that the student undertakes under the direction of a faculty member who acts as a research advisor. Content varies from year to year and is determined by both the instructor's and student's interests.

Repeatable: Repeatable for credit

Prerequisite(s): Permission of the Department Chair

STA 491 - Sports Analytics Internship

Units: 1-3

When Offered: Fall, Spring, Summer

This course is aimed at developing "hands on" experience in data and visualization analytic skills in the context of involvement with a sport team, league, or corporation. Students will assist in the development of the analytical and data collection capabilities of the organization.

Repeatable: May be repeated for a maximum of six (6) units of credit

STA 499 - Capstone

Units: 1-3

GE Designation: I

When Offered: Spring

The course is designed to be a culminating experience for senior students. The course gives students through writing, seminar and conference participation, an opportunity to demonstrate their skill and proficiency in the field of statistics. In some cases, this may be coupled with internships.

Repeatable: May be repeated for a maximum of three (3) units of credit

Prerequisite(s): Permission of the Department Chair

SWK 300 - Introduction to Social Work

Units: 3

GE Designation: M

When Offered: Fall

An introduction to the knowledge, values, ethics, skills, systems, and settings of generalist social work practice. A historic overview of political, economical, and cultural factors that influence the profession. This course is a prerequisite for all other courses in Social Work.

SWK 335 - Alcohol and Drug Addiction

Units: 3

When Offered: Spring

This course is survey of alcohol and drug abuse including a historical as well as a modern understanding of chemical problems in addition to the impact on the individual, family and society. Emphasis will be given to understanding vulnerable populations such as adolescents and the elderly. Current treatment interventions will be outlined as well as deterrents that can alter the course of addictions. Included will be a Christian viewpoint on etiology, assessment and treatment of this serious problem.

SWK 340 - Mental Health First Aid

Units: 3

When Offered: Fall

Mental Health First Aid is a national program, operated by the National Council for Behavioral Health in partnership with the Missouri Department of Behavioral Health. The Mental Health First Aid course is generally taught as an 8-hour course that gives people the skills to help someone who is developing a mental health problem or experiencing a mental health crisis. This class is designed to provide social work students with a more in-depth look into mental health issues, treatment, and public responses, while assisting all students in becoming certified "First Responders" upon completion of the course. The evidence behind the program demonstrates that it does build mental health literacy, helping the public identify, understand, and respond to signs of mental illness.

SWK 345 - Trauma in Children

Units: 3

When Offered: Spring

This course will introduce students to the definition of trauma, the prevalence of children experiencing trauma locally, nationally and globally, as well as the physical, emotional, cognitive, social and spiritual impact trauma can have on children and adolescents. The concepts of trauma informed practice, resilience, and evidence based practices with children experiencing trauma are key components of the course. The role of social workers in working with children experiencing trauma locally, nationally and globally is also a key feature of the course. Although trauma is broadly defined, the course will focus mainly on abuse and neglect, violence, natural disasters, war, and medical trauma.

SWK 399 - Independent Study

Units: 1-3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

SWK 400 - Special Topics in Social Work

Units: 3

When Offered: As offered

An in-depth seminar on a selected topic within the Behavioral Sciences.

Repeatable: Course is repeatable for credit with a change in topic

THE 111 - Fundamentals of Stagecraft

Units: 3

When Offered: Fall, Spring

This course offers an introduction to the basic construction methods, materials and techniques employed in the scene shop. Students will also develop skills in producing large-scale scenic painting and texturing effects through multiple in-class projects.

THE 113 - Makeup for Stage and Screen

Units: 2

When Offered: Fall, Spring

This course provides a foundation for the student actor and designer in the materials, tools, and application techniques of stage and film makeup. Students will develop skills in brush and sponge application techniques, the design of old age and character specific facial alterations, historical makeup effects and three-dimensional appliances. Students will develop an appreciation of relative viewing distance in the level of subtlety of makeup effects for theatre versus film. Each student will assemble a makeup kit that will be used to prepare projects in class and for productions.

THE 123 - Voice and Diction for the Stage

Units: 3

When Offered: Spring

This course will focus on the importance of a free and expressive voice in the actor's work. It will develop the voice through a focus on awareness of inner space, alignment, breath, resonance, articulation, expressivity; awareness of General American Dialect, and a beginning look at Phonetics and the IPA (International Phonetic Alphabet), vocal anatomy and voice care.

THE 133 - Acting for Non-Majors

Units: 3

GE Designation: M

When Offered: Fall, Spring

This course is designed to help the amateur actor develop a beginning understanding and appreciation of the art and skill of acting through the study of acting principles, dramatic scenes, and basic stage techniques. Students will learn to use the tools of the actor (mind, body and voice) through exercise, improvisation, scene and character study and learn the basics of the rehearsal process. The student will also develop into a more informed observer of theatre.

THE 142 - Introduction to Theatre

Units: 3

GE Designation: I, M

When Offered: Fall

This course provides a background, framework and vocabulary for the appreciation of six (6) major areas of production (director, actor, designer/technician, playwright, script, and audience) and the various historical, textual, and performative elements that inform theatrical practice. Students will read a variety of plays, attend productions by the Theatre Arts Program, and participate in a course module involving production creation.

THE 163 - Production Practicum: Performance

Units: 1-3

GE Designation: I, M

When Offered: Fall

Practical training in the areas of acting, directing, and stage management. Students will have the opportunity to participate in a fully realized production, from auditions through to performance. This course consists of regular rehearsals and performances.

Repeatable: May be taken for variable credit. Multiple sections will be offered, and students will enroll in the section assigned to their show

THE 164 - Production Practicum: Technical

Units: 1-3

GE Designation: I, M

When Offered: Fall

Practical hands-on training in the areas of scenic construction, stage lighting, and sound production, costume construction and backstage crew assignments.

Repeatable: May be taken for variable credit

THE 183 - Acting I: Fundamentals of Acting

Units: 3

GE Designation: M

When Offered: Fall

This course is designed to acquaint the student with the fundamental skills necessary to acting and to explore the basic elements of the actor's art. This course will explore the physical, vocal, intellectual, and technical aspects of acting in a format that encourages freedom of imagination and personal growth. Additionally, the course will explore the connections between faith and theatre and the ways in which God's truth is embedded within the fabric of both the plays themselves and the actor's work.

Prerequisite(s): Theatre major or minor

THE 200 - Special Topics in Theatre

Units: 1-3

When Offered: As offered

Concentration upon a specific topic in the field of Theatre. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

THE 211 - Introduction to Stage Design and Management

Units: 3

When Offered: Spring

This course will serve as an introduction to the collaborative nature of design and stage management in theatrical productions. Each of the four major areas of design; scenic, costume, lighting, and audio will be explored through projects and the critical viewing of plays on film and live productions. Basic techniques of stage management and production protocols will be explored through exercises and the creation of a prompt script.

THE 221 - Techniques in Pre-Visualization of Design

Units: 3

When Offered: Fall (odd years)

This course focuses on methods and techniques for pre-visualizing design concepts within the play production process

with a focus on using digital modeling software. Traditional techniques in model building, rendering, costume plates and concept sketching will also be explored. Techniques of pitching a design through pre-visualization will be examined through mock design projects and production scenarios.

THE 223 - Movement for the Stage

Units: 3

GE Designation: M

When Offered: Fall

This course focuses on the mechanics of the actor's body, explores how the body becomes an element of communication in theatre, and works toward freeing up the actor's body to communicate. Students will be introduced to a variety of movement techniques and theories.

THE 230 - Acting for the Camera

Units: 3

When Offered: As offered

Students will learn strategies for building truthful performances in a multi-camera studio environment. Participants will refine acting techniques through monologues, sensory exercises, and beginning scene study work. Open to all students.

THE 232 - Play Structure and Analysis

Units: 3

GE Designation: I, M

When Offered: Spring

This course is designed to introduce the student to the skills of dramatic analysis, theatrical research, writing, and critical thinking which are vital to the work of all artists in the theatre. Using the techniques of the Production Dramaturg, the course teaches close reading of play texts and demonstrates ways in which play analysis contributes to the realization of theatrical productions.

THE 233 - Introduction to Musical Theatre Dance

Units: 3

When Offered: Fall (odd years)

This course introduces students to the basics of musical theatre dance. Students will study a variety of theories, techniques, and major choreographers of the stage. Students will build competencies with short dance combinations and entire choreographed pieces that reflect the diversity of styles used in musical theatre.

THE 263 - Production Practicum: Performance

Units: 1-3

GE Designation: I, M

When Offered: Spring

Practical training in the areas of acting, directing, and stage management. Students will have the opportunity to participate in a fully realized production, from auditions to performance. This course consists of regular rehearsals and performances.

Repeatable: May be taken for variable credit

THE 264 - Production Practicum: Technical

Units: 1-3**When Offered:** Spring

Practical hands-on training in the areas of scenic construction, stage lighting, and sound production, costume construction and backstage crew assignments.

Repeatable: May be taken for variable credit**THE 283 - Acting II: Scene Study****Units: 3****GE Designation:** I, M**When Offered:** Fall

A continuation of Acting I: Fundamentals of Acting, this course is designed to further explore the actor's art, and continue to develop the individual's technique. This course specifically focuses on the intellectual work of an actor as well as the relationship between actors on stage. Additionally, the course will explore the connections between faith and theatre and the ways in which God's truth is embedded within the fabric of both the plays themselves and the actor's work.

THE 312 - Drama in the Classroom**Units: 3****GE Designation:** M**When Offered:** Fall, Spring

The student will learn how to use drama and theatre activities both for and with children, and how they can incorporate drama into education by creating lesson plans and planning specific assignments. The student will also develop skills in oral interpretation and storytelling to become a more interesting and expressive teacher.

THE 313 - Advanced Makeup**Units: 3****GE Designation:** M**When Offered:** As offered

Advanced study and application of 3-Dimensional makeup techniques with a focus on foam latex prosthetics. Students will develop skills in life casting, mold making, sculpting, casting and running foam latex. Students will learn advanced painting and makeup application techniques required for blending prosthetics with human skin. Students will also explore techniques for using gelatin makeup for large wound and facial trauma effects.

THE 330 - Advanced Acting for the Camera**Units: 3****When Offered:** As offered

Advanced scene work in a multi-camera environment. Students learn to scale performances to the shot, dig deeper into character development, clarify subtext, and to emotionally connect to challenging material. All performances are recorded for critique by the instructor and for student self-assessment, through daily journaling.

Prerequisite(s): COM 113, THE 133, 183, or 230**THE 332 - Theatre History I****Units: 3****GE Designation:** I, M**When Offered:** Fall

The first part of a two-part review of the development of theatre, with a detailed study of the origins of drama in

religious ritual and the beginnings of formalized theatre in Classical Greece through the French Neoclassical Period. Nine plays will be studied in detail during the course, and students will be asked to specifically engage with the material from the Christian worldview to explore how God's truth may be represented within the work.

THE 333 - Advanced Musical Theatre Dance

Units: 3

When Offered: As offered

This course continues the training begun in Introduction to Musical Theatre Dance, by exploring advanced theories and styles of dance developed by major choreographers throughout the history of musical theatre.

Prerequisite(s): THE 233

THE 340 - Drama in the Church

Units: 3

GE Designation: I, M

When Offered: Spring (odd years)

Designed for pastors, teachers, youth leaders, and church workers, this class explores various ways that drama can be utilized in the church. Class work includes hands-on experience in using church drama with children and youth, drama for the worship service, and how to start a drama program at your local church.

THE 342 - Theatre History II

Units: 3

GE Designation: I, M

When Offered: Spring

The second part of a two-part review of the development of theatre, with a detailed study of the beginnings of modern theatre including the English Restoration, 18th-century Sentimentalism, the birth of Realism and the revolt against Realism, experimental and political theatre, and current trends today. Ten plays will be studied in detail during the course, and students will be asked to specifically engage with the material from the Christian worldview to explore how God's truth may be represented within the work.

Prerequisite(s): THE 332

THE 344 - Celebration Drama Team

Units: 1-3

When Offered: Fall, Spring

Practical experience in rehearsal and performance as part of Celebration! Drama Team. Students may represent the University, traveling to schools and churches presenting a variety of dramatic material, and participating in an International Service Project trip. The course is by audition only and requires application to ISP and participation in ISP training.

Repeatable: May be repeated for a maximum of eight (8) units of credit

THE 345 - Applied Theatre

Units: 3

GE Designation: M

When Offered: As offered

Practical experience in writing or assembling theatre pieces and rehearsing and performing, as part of the CBU Theatre Team, theatrical presentations off-campus at schools, community centers, local churches, prisons, theatres and other venues.

Repeatable: May be repeated for a maximum of six (6) units of credit

Prerequisite(s): THE 283

THE 353 - Directing I

Units: 3

GE Designation: I, M

When Offered: Spring

The study of the basic techniques of stage direction including play analysis, director/actor and director/designer communication, and technical problems of movement, composition, picturization, and blocking. Students will practice the craft by presenting in-depth research and script analysis and directing scene work.

Prerequisite(s): THE 183 and 232

THE 363 - Production Practicum: Performance

Units: 1-3

GE Designation: I, M

When Offered: Fall

Practical training in the areas of acting, directing, and stage management. Students will have the opportunity to participate in a fully realized production, from auditions to performance. This course consists of regular rehearsals and performances.

Repeatable: May be taken for variable credit

THE 364 - Production Practicum: Technical

Units: 1-3

When Offered: Fall

Practical hands-on training in the areas of scenic construction, stage lighting, and sound production, costume construction and backstage crew assignments. Advanced students will be encouraged to assume leadership positions as crew chiefs, designers, and master electricians.

Repeatable: May be taken for variable credit

THE 383 - Acting III: Acting Shakespeare

Units: 3

GE Designation: M

When Offered: Spring

An introduction to the skills necessary for performing Shakespearean texts. Through reading, analysis and performance work, the student will grow to understand how Shakespearean performance differs from Realism, and be able to implement those differences to deliver Shakespearean text with clarity and understanding.

Prerequisite(s): THE 183 and 283

THE 399 - Independent Study

Units: 3

When Offered: As offered

An opportunity for students who have demonstrated the ability to do independent work to pursue in depth a topic of particular interest.

THE 400 - Special Topics in Theatre

Units: 1-3

When Offered: As offered

Concentration upon a specific topic in the field of Theatre. Topic varies for different semesters.

Repeatable: May be taken multiple times with change in topic

THE 424 - Scriptwriting

Units: 3

GE Designation: I

When Offered: Spring (even years)

A workshop in the practice of playwriting and screenwriting. Students are required to complete at least one play (or screenplay) in the course of the semester and to bring work-in-progress for regular discussion and criticism under the guidance of the instructor. Exercises to improve skills in writing creative dialogue, developing characters, and creative conflict and action will be part of the class work.

Prerequisite(s): THE 232

THE 431 - Advanced Design: Lighting

Units: 3

When Offered: Fall (even years)

This course explores the techniques, equipment, and methods employed in the design of lighting for the stage. Students will learn to calculate electrical loads, choose appropriate instruments, make color choices, and create plots and schedules to communicate design concepts through projects and exercises. Students will be introduced to moving light technology and digital control protocols.

Prerequisite(s): THE 111 and 211

THE 432 - Advanced Design: Scenery

Units: 3

When Offered: Spring (odd years)

This course focuses on the production of scenic designs for the stage. Students will employ period architectural research, play analysis, and three-dimensional digital modeling software to complete multiple scenic design problems.

Prerequisite(s): THE 111 and 211

THE 433 - Advanced Design: Sound

Units: 3

When Offered: Fall (odd years)

This course focuses on the recording, editing, and digital playback of sound effects for the stage. Students will explore sound system design and placement, field recording techniques, and digital signal processing through the creation of sound design exercises.

Prerequisite(s): THE 111 and 211

THE 434 - Advanced Design: Costume

Units: 3

When Offered: Spring (even years)

This course will explore techniques of period fashion research, character analysis and costume construction methods in the creation of costume designs for the stage.

Prerequisite(s): THE 111 and 211

THE 435 - Moving Light Programming

Units: 3

When Offered: As offered

A practical study of intelligent fixtures, palette based control consoles, and design principles for employing moving lights in theatre, concert, worship, and entertainment events.

THE 441 - Auditioning

Units: 3

GE Designation: M

When Offered: Fall (even years)

This laboratory class provides theatre students with a place to practice audition skills and create a repertoire of audition pieces. Students will gain the necessary skills and tools to audition successfully.

Prerequisite(s): THE 183, 283 and 383

THE 450 - Internship in Theatre

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position, utilizing principles of theatre acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of theatre as a whole.

Prerequisite(s): Permission of the Department Chair

THE 451 - Internship in Theatre

Units: 1-3

When Offered: Fall, Spring

Under faculty supervision, the student will be assigned to a position, utilizing principles of theatre acquired and employed throughout their university experience. This internship provides an opportunity for investigating and participating in field experience with a practitioner of the trade, giving depth and breadth to their understanding of theatre as a whole.

Prerequisite(s): THE 450 and permission of the Department Chair

THE 463 - Production Practicum: Performance

Units: 1-3

GE Designation: I, M

When Offered: Spring

Practical training in the areas of acting, directing, and stage management. Students will have the opportunity to participate in a fully realized production, from auditions through to performance. This course consists of regular rehearsals and performances.

Repeatable: May be taken for variable credit

THE 464 - Production Practicum: Technical

Units: 1-3

When Offered: Spring

Practical hands-on training in the areas of scenic construction, stage lighting, and sound production, costume

construction and backstage crew assignments. Advanced students will be encouraged to assume leadership positions as crew chiefs, designers, and master electricians.

Repeatable: May be taken for variable credit

THE 483 - Acting IV: Departures from Realism

Units: 3

GE Designation: M

When Offered: Fall

An introduction to post-realistic modern theatre and its acting conventions. Students will be introduced to the acting skills necessary to perform non-realistic theatre. Through reading, analysis, and scene work, the student will grow to understand the varying stylistic conventions found in the wide-ranging genres of non-realistic theatre and the philosophical movements which birthed them, and be able to implement those conventions in practice.

Prerequisite(s): THE 183, 283, and 383

THE 498 - Capstone Portfolio

Units: 1

When Offered: Fall, Spring

Students will review their personal and professional development based upon their baccalaureate experiences at California Baptist University. Students will evaluate their growth and development through the program and demonstrate evidence of growth through artifacts accumulated over the course of their baccalaureate career. Students will demonstrate critical self-reflection and present a comprehensive portfolio with the potential to be used in professional or graduate school application.

Grade Type: Pass/Fail

UAS 115 - Introduction to Unmanned Aviation Systems

Units: 3

When Offered: Fall

This course will provide students with insight into the Unmanned Aviation Systems (UAS) industry through the introduction of UAS history, systems elements, regulatory system, COA (Certificate of Approval) process, operations, geospatial data, automation and autonomy, safety assessments, detect, sense and avoid, sensors and payloads, human factors, and the future of UAS.

Pre- or Co- Requisite(s): AVN 110

UAS 215 - Unmanned Aviation Systems Flight Simulation Lab

Units: 1

When Offered: Fall

Several stages of flight simulation will include EP (external pilot) training, Flying FPV (first person view), and programming the autopilot for autonomous flight.

Prerequisite(s): UAS 115

UAS 315 - Unmanned Aviation Systems Designs and Applications

Units: 3

When Offered: Spring

This course will present all required and optional components of Unmanned Aviation Systems (UAS) into six categories: airframe system, radio control and autopilot system, camera system, power system, ground control station,

and the drive train system.

Prerequisite(s): UAS 215

UAS 400 - Special Topics in UAS

Units: 1

When Offered: As offered

Current topics in unmanned systems.

Repeatable: Course is repeatable four times for credit with a change in topic

Prerequisite(s): UAS 315

UAS 415 - Unmanned Aviation Systems Operations and Mission Planning

Units: 3

When Offered: Fall

Students will learn how to operate any Unmanned Aviation Systems (UAS) platform that uses a Piccolo autopilot system. This course will prepare the student for a check ride by going over crew positions, user interface of piccolo command center and viewpoint, normal and emergency operations, and mission planning.

Prerequisite(s): UAS 315

UAS 495 - Unmanned Aircraft Systems Capstone

Units: 3

When Offered: Spring

This capstone course will provide the student an opportunity to apply knowledge of Unmanned Aviation Systems (UAS) toward completion of a major project.

Prerequisite(s): Senior status

Pre- or Co- Requisite(s): UAS 415

WLD 121 - Science Technology, and Worldview

Units: 3

When Offered: Fall, Spring

This course is intended to study and critique the relationship between the natural sciences technology and worldviews. A variety of interpretations will be examined. We will take a historical look at the methods and pedagogues in various areas within the natural sciences. This is an Interdisciplinary course involving studies from a variety of disciplines including but not limited to: science, philosophy, theology, law and the behavioral sciences. Our journey will lead us to study modern day beliefs and theories, in particular, in cosmology and evolution and their relationship with and impact on religion. Recent developments in science and their impact on theology and one's worldview will be emphasized. Diverse viewpoints will be discussed and critiqued.

WLD 141 - Perspectives on Human Behavior and Social Systems

Units: 3

When Offered: Fall, Spring

This course presents the basic assumptions and dynamics of worldview as a philosophy of science related to human behavior. Philosophical assumptions, epistemological methodologies, and Worldview perspectives in their Pre-modern, Modern, and Post-modern forms are compared and contrasted. The course also addresses models of knowledge integration and critical thinking.

WLD 161 - American Founding and Experience

Units: 3**When Offered:** Fall, Spring

This course will be an interdisciplinary exploration of the Founding the U.S. using materials from history, political science, the arts, and religion. Students will explore how their worldviews help them better understand how to integrate ideas (including American notions of liberty, independence, property, and freedom of religion or conscience) about America, the so-called "American Dream", and its achievements and inconsistencies to discern a comprehensive and coherent vision of the American experience in today's world.

WLD 181 - Goodness, Truth and Beauty**Units: 3****When Offered:** Fall, Spring

This class explores the concept and reality of truth, goodness, and beauty in the world as it relates to culture, the Bible, worldviews, and human flourishing. Students will survey the concepts of truth, goodness, and beauty through history from both special and general revelation and develop a model for accurately understanding and valuing the created world. Students will develop their discernment to live the "good" life and be equipped to promote what is true, pure, lovely, and of good repute for the good of all.

Directory

Board of Trustees: California Baptist University

Regular Meetings of the Board of Trustees

2018-2019

September 28, 2018

January 11, 2019

May 3, 2019

Mr. Steve Davidson, Chairman

Term Expiring 2018

Mr. Walt Crabtree	Pioneer, CA
Dr. Anthony Dockery	La Puente, CA
Mr. Charles Doremus	Bakersfield, CA
Mr. Glenn Gaines	Plano, TX
Mr. David Gill	Riverside, CA
Dr. Michael Proctor	Anchorage, AK
Mr. Gary Vick	Salinas, CA
Dr. John Wells	Lake Elsinore, CA
Mr. Richard Yu	Alhambra, CA

Term Expiring 2019

Mrs. Cindy Cook	Oceano, CA
Dr. Robert Gates	Greer, SC
Mr. Nathan Granillo	Redlands, CA
Mr. Tom Hixson	Jurupa Valley, CA
Mrs. Hilda Kennedy	Grand Terrace, CA
Mrs. Chrystal Kern	Stafford, VA
Mr. Tom Lance	Riverside, CA

Mrs. Nancy Mellinger

Riverside, CA

Dr. Michael Nolen

Tracy, CA

Term Expiring 2020

Rev. Steve Davidson

Clovis, CA

Rev. William Eng

Anaheim, CA

Rev. E.W. McCall

Grand Prairie, TX

Mrs. Eydie Miskel

Ventura, CA

Mr. Gus Reyes

Cedar Park, TX

Rev. Wayne Reynolds

Highland, CA

Mr. Bart Shifter

Chula Vista, CA

Mr. Jim Williams

Fresno, CA

Term Expiring 2021

Mr. Brian Chelette

Riverside, CA

Rev. Josh Daffern

Columbus, MS

Dr. Heather Dean

Riverbank, CA

Mr. David Kennedy

Lexington, KY

Dr. Phoebe Lambeth

Orange, CA

Mr. Michael Poma

Redlands, CA

Dr. Walter Price

Beaumont, CA

Dr. J.T. Reed

Riverside, CA

Rev. Wayne Stacks

Fair Oaks, CA

Mr. Michael Staver

Fernandina, FL

Ex Officio

Mr. Steve Davidson

Executive Director

California Southern Baptist Convention, Fresno, CA

Executive Council

Ronald L. Ellis; B.A., M.S., Ph.D.	President
Charles D. Sands; B.S., M.A., Ph.D.	Provost and Vice President for Academic Affairs
Kent Dacus; B.S., M.S.	Vice President for Student and Enrollment Services
Mark Howe; B.S., M.B.A.	Vice President for Finance and Administration
Adam Burton; B.A., J.D.	Vice President and General Counsel
Larry Linamen, B.A., M.B.A., Ed.D.	Vice President for Global Initiatives
Paul Eldridge; B.S., M.A., J.D.	Vice President for University Advancement
Mark A. Wyatt; B.F.A., M.Div., D.Min.	Vice President for Marketing and Communication

Emeriti

Russell R. Tuck; B.S., M.S., Ph.D., D.H.	President Emeritus
Donald J. Evans; B.A., M.A., Ed.D.	Senior Vice President Emeritus
Arthur Cleveland; B.S., M.A., Ph.D.	Vice President Emeritus
Bruce A. Hitchcock; B.S., M.S.	Vice-President Emeritus
Bonnie G. Metcalf; B.A., M.A., Ed.D.	Vice President Emeritus
Gary Collins, B.A., B.D., M.A., Ph.D.	Psychology
Ken Futch; B.A., M.A., Ph.D.	English
Norene Murphy Hokett; B.A., M.A.	Communication Arts
Robert K. Jabs; B.A., B.S., M.B.E., Ph.D.	Business Administration
Raquel Lebrede; B.A., M.A., Ph.D.	Spanish
Edwin A. Reed; B.A., B.D., M.A., Th.M.	History
Wayne Swindall; B.A., M.Div., Th.M., Ph.D.	Philosophy
LeVern B. Young; B.S., M.S., Ph.D.	Natural Science

Directory

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Amanie Abdelmessih

Professor of Mechanical Engineering

B.S., M.S., Alexandria University; Ph.D., Oklahoma State University.

Jordan Adams

Assistant Professor of Kinesiology

B.S. Biola University; D.P.T., Midwestern University.

Jenny Aguilar

Assistant Professor of Psychology

B.S., University of Phoenix; M.A., California Baptist University; Ph.D., The Chicago School of Professional Psychology.

Elaine Ahumada

Professor of Public Administration

B.A., M.P.A., D.P.A., University of La Verne.

Keanon Alderson

Professor of Business

B.S., California Baptist University; M.B.A., University of Redlands; Ph.D. Capella University.

Noemi Alexander

Assistant Professor of Political Science

B.A., M.P.A., California State University, Long Beach.

Berniece Bruinius Alspach

Assistant Professor of English

B.A., Florida State University; M.A., California Baptist University; Ph.D., Claremont Graduate University.

Akua Amankwaah

Assistant Professor of Nutrition and Food Sciences

B.S., University of Ghana; M.S., Bowling Green State University; Ph.D., Purdue University.

Gayne J. Anacker

Professor of Philosophy and Humanities

B.A., Westmont College; M.T.S., Gordon-Conwell Theological Seminary; M.A., Washington State University; Ph.D., University of California, Irvine.

Mark Anklam

Professor of Engineering

B.S., Stanford University; M.A., Ph.D., Princeton University.

Melissa Anozie

Assistant Professor of Nursing

B.S., M.S.N., California Baptist University.

Melissa Antonio

Assistant Professor of Biology

A.A., A.S., Riverside Community College; B.S., Ph.D., University of California, Riverside.

Margaret Appenzeller

Visiting Professor of Communication Disorders

B.A., University of Northern Colorado; M.S., University of Oregon, Eugene.

Richard Ardito

Assistant Professor of Accounting

B.S., M.B.A., California Baptist University; D.B.A., Liberty University.

Satara Armstrong

Professor of Social Work

B.A., Baker University; M.S.W., University of Kansas at Lawrence; Ph.D., Capella University.

B

Jong-Wha Bai

Associate Professor of Civil Engineering

B.S., Yonsei University; M.S., Ph.D., Texas A&M University.

Jeffrey Barnes

Professor of Humanities

B.A., William Carey College; M.Div., Ph.D., Golden Gate Seminary.

Gretchen C. Bartels

Associate Professor of English

B.A., Wheaton College; M.A., Ph.D., University of California, Riverside.

Walter Beaumont

Associate Professor of Music

B.M., M.M., Texas Christian University; D.M.A., Boston University.

Kristin Beinschroth

Visiting Professor of Radiologic Sciences

A.A., Victor Valley College; B.S. California State University, Northridge.

Allan Bedashi

Professor of Physician Assistant Studies

B.S., B.S., George Washington University; M.P.A.S., University of Nebraska; M.S.H.P.E., Western University of Health Sciences; D.H.Sc., Nova Southeastern University.

Michael Berger

Associate Professor of Graphic Arts

B.F.A., M.F.A., California State University, Fullerton.

Aine Bergin

Assistant Professor of Psychology

B.A., M.S., California Baptist University; Psy.D., Alliant International University.

Dennis Bideshi

Professor of Biology

B.A., M.A., California State University, Fullerton; Ph.D., University of California, Riverside.

BC Biermann

Associate Professor of Graphic Arts

B.A., University of Missouri, Columbia; M.A., Maryville University; M.A., Knox Theological Seminary; Ph.D., Universiteit van Amsterdam.

Joel Bigley

Assistant Professor of Business

B.S., B.S., John Brown University; M.S., University of Arkansas; Ed.D., Pepperdine University.

James Bishop

Associate Professor of Criminal Justice and Business Law

B.A., California State University, San Bernardino; J.D., University of the Pacific.

W. Daniel Blair

Assistant Professor of American Sign Language

B.G.S., Samford University; M.Div., Beeson Divinity School; Ph.D., University of Alabama.

Mark Blincoe

Associate Professor of History

B.A., Whitworth University; M.A., University of Pennsylvania; Ph.D., University of Minnesota.

Deborah Bobst

Assistant Professor of Nursing

B.S., University of Phoenix; M.S.N., Norwich University; D.N.P., Loma Linda University.

Cynthia Boes

Professor of Communication

B.S., Corban College; M.A., Oregon State University; Ph.D. Pennsylvania State University.

Joseph Bolin

Assistant Professor of Music

B.M., Southern Illinois University; M.M., D.M.A., University of Texas, Austin.

Danette Bonillo

Assistant Professor of Communication Disorders

B.A., M.A., California State University, Long Beach; Ed.D., Concordia University, Irvine.

Janet Bonome

Assistant Professor of Public Health

B.S., University of California, Riverside; M.P.H., Dr.P.H., Loma Linda University.

Brian Bovee

Assistant Professor of Computer Information Technology

B.A., California State University, San Bernardino; M.A., California State University, Chico.

A. Greg Bowden

Professor of Education

B.A., San Diego State University; M.S. Pepperdine University; Ed.D., University of San Diego.

William Boyer

Assistant Professor of Exercise Science

B.S.H., M.S.H., University of North Florida; Ph.D., University of Tennessee, Knoxville.

Karen Bradley

Professor of Nursing

B.S.N., University of Phoenix; M.S.N., Loma Linda University; D.N.P., University of San Francisco.

Angela Brand

Professor of Music

B.M., Auburn University; M.M., M.Ed., Bowling Green State University; D.M.A., Claremont Graduate University.

Victoria Brodie

Visiting Professor of Public Relations

B.S., University of Phoenix; M.A., California Baptist University.

Eric Brook

Professor of History and Humanities

B.A., California Baptist University; M.A., Concordia University; M.A., California State University, Dominguez Hills; D.Min., Concordia Theological Seminary; Ph.D., University of Essex.

Stephen Brown

Associate Professor of Behavioral Sciences

B.S., M.S.W., Jackson State University; Ed.D., University of La Verne.

Julianna Browning

Professor of Accounting

B.S., University of Southern California; M.S., Liberty University; M.B.A., California Baptist University; Ph.D., University of California, Riverside.

James R. Buchholz

Professor of Mathematics and Physics

B.A., Indiana State University; M.S., Texas A&M University; Ph.D., University of California, Riverside.

Jay Evan Burke

Associate Professor of Psychology

B.A., Baylor University; M.S., Oklahoma State University; Psy.D., Chicago School of Professional Psychology.

Lisa Bursch

Associate Professor of Nursing

B.S.N., University of Texas, Health & Science Center; M.S.N., California State University, Long Beach; D.N.P., Rush University.

John Butler

Assistant Professor of Electrical and Computer Engineering

B.S., M.S., Ph.D., University of California, Riverside.

C**Virginia Cadenhead**

Assistant Professor of Nursing

B.S., Texas Christian University; M.A., Southwestern Baptist Theological Seminary; M.S.N., University of Texas, Tyler.

Linn Carothers

Professor of Mathematics

B.S., University of Southern California; M.S., California State University, Northridge; Ph.D., University of Southern California.

Deborah Carter

Associate Professor of Nursing

B.S.N., California State University, Dominguez Hills; M.S.N., Walden University; Ed.D., Regent University.

Jeff Cate

Professor of New Testament

B.A., Samford University; M.Div., Ph.D., New Orleans Baptist Theological Seminary.

Crystal Chavez

Visiting Professor of Kinesiology

B.S., M.S., California Baptist University.

J. Alex Chediak

Professor of Physics and Engineering

B.S., Alfred University; M.S., Ph.D., University of California, Berkley.

Stephen R. Christie

Associate Professor of Business Administration

B.A., M.B.A., California State University, Fullerton; Ph.D., Claremont Graduate University.

Seunghyun Chun

Associate Professor of Electrical and Computer Engineering

B.S., Yonsei University; M.S. University of Southern California; Ph.D., University of Texas, Austin.

Soojin Chung

Assistant Professor of Intercultural Studies

B.A., University of Virginia; M.Div., Gordon-Conwell Theological Seminary.

Anthony Chute

Professor of Church History

B.Min., B.A., Brewton-Parker College; M.Div., Beeson Divinity School; Ph.D., Trinity Evangelical Divinity School.

Michael Chute

Professor of Journalism

B.A., Oklahoma Baptist University; M.A., Missouri State University; Ph.D., University of Southern Mississippi.

Daniel Clark

Assistant Professor of Mechanical Engineering

B.S.E., Calvin College; M.S., Ph.D., Stanford University.

Larry Clement

Assistant Professor of Engineering

B.S., M.S., University of Oklahoma; M.A., Fuller Theological Seminary.

Adamson Co

Professor of Theology

B.A., Cal State Polytechnic University, Pomona; M.Div., The Master's Seminary; J.D., University of California Hastings Law School; Ph.D., Trinity Evangelical Divinity School.

Greg Cochran

Professor of Christian Studies

B.A., M.A., Louisiana Tech University; M.Div., Ph.D., Southern Baptist Theological Seminary.

Angela Coes

Assistant Professor of Nursing

B.S.N., University of Nevada, Las Vegas; M.S.N., Walden University.

Debra Coleman

Assistant Professor of Nursing

B.S.N., MSN.Ed., University of Phoenix; Ph.D., Azusa Pacific University.

Ricardo Cordero-Soto

Associate Professor of Mathematics

B.S., Universidad Metropolitana; M.A., Ph.D., Arizona State University.

Anthony Corso

Associate Professor of Computer Information Systems

B.A., Cogswell Polytechnical College; M.B.A., University of Phoenix; Ph.D., Claremont Graduate University.

Jennifer Costello

Assistant Professor of Social Work

B.S., Ashford University; M.S.W., University of Southern California.

Christy Cotner

Assistant Professor of Nursing

B.S., University of Phoenix; M.S.N., California State University, Dominguez Hills.

Mark Cox

Lecturer, Psychology

B.A., California State University, San Bernardino; M.S., California Baptist University.

Mary F. Crist

Professor of Education

B.A., University of California, Berkeley; M.Div., Claremont School of Theology; M.Ed., Pan American University; Ed.D., Columbia University.

Robert G. Crosby

Associate Professor of Psychology

B.A., California State Polytechnic University, Pomona; M.S., Capella University; Ph.D., University of California, Riverside.

Karen L. Cross

Assistant Professor of Education

B.A., Mills College; M.A., University of Connecticut.

Melissa Croteau

Professor of Film Studies

B.A., Biola University; M.A., University of Birmingham; Ph.D., Claremont Graduate University.

Jennifer Cruz

Assistant Professor of Music

B.M., Eastman School of Music; M.M., University of Southern California.

D

Steven Dahlgren

Assistant Professor of Music

B.A., M.M., Azusa Pacific University.

Dirk Dallas

Assistant Professor of Graphic Arts

B.A., California State University, San Bernardino.

Dirk Davis

Professor of Education

B.A., M.A., California State University, San Bernardino; Ed.D., Pepperdine University.

Kenya Davis-Hayes

Professor of History

B.A., M.Ed., Campbell University; Ph.D., Purdue University.

Mark Deharo

Assistant Professor of Radiologic Sciences

B.S., Loma Linda University; M.H.A., University of Phoenix.

Angela Deulen

Associate Professor of Psychology

B.A., M.S., California Baptist University; Ed.D., Pepperdine University.

Khamla Dhouti Martinez

Lecturer, Spanish

B.A., Washington & Lee University; M.A., Middlebury College; Ph.D., University of Texas, Austin.

Jolene Dickert

Professor of Athletic Training

B.A., Whitworth College; M.A., San Diego State University; Ed.D., University of the Pacific.

Anthony Donaldson

Professor of Engineering

B.S.E.E., M.S.E.E., Texas Tech University; M.A., Asbury Theological Seminary; Ph.D., Texas Tech University.

Darla Donaldson

Assistant Professor of Business

B.B.A., University of Texas; M.B.A., Texas Tech University; Ph.D., North Central University.

Susan Drummond

Professor of Nursing

B.S., University of La Verne; B.S.N., M.S.N., California State University, Dominguez Hills; Ph.D., Azusa Pacific University.

Susan Duemer

Assistant Professor of Architecture

B.A., M.Arch., Judson University.

Scott Dunbar

Assistant Professor of Human Resource Management

B.S., University of California, Riverside; M.B.A., Loma Linda University; D.B.A., Liberty University.

Marion Dunkerley

Assistant Professor of Nursing

B.S.N., Biola University; M.A., Azusa Pacific University; M.S.N., University of Phoenix; Ed.D., Regent University.

E

Michael Eaton

Professor of Film Studies

B.A., Whitworth University; M.F.A., Azusa Pacific University.

Jan Edmisten

Professor of Kinesiology

B.S., Middle Tennessee State University; M.P.T., D.P.T.Sc., Loma Linda University.

Ronald L. Ellis

Professor of Education

B.A., Houston Baptist University; M.S., Baylor University; Ph.D., Texas A&M University; Additional study, Institute for Educational Management, Harvard University.

Stephen Emerson

Librarian

B.A., Westmont College; M.Div., Fuller Theological Seminary; M.L.S., San Jose State University; Ph.D. Vanderbilt University.

F

Lindsay Fahnestock

Assistant Professor of Public Health

B.S., California Baptist University; M.P.H., DrP.H., Loma Linda University.

Shari Farris

Associate Professor of Education

B.A., M.A.T., M.Ed., Whitworth University; Ed.D., University of Washington.

Doreen Ferko

Professor of Education

B.A., University of California, San Diego; M.A., California State University, Northridge; Ph.D., Purdue University.

Thomas Ferko

Professor of Chemistry

B.S., Juniata College; Ph.D., Purdue University.

Elizabeth Brandt Flater

Associate Librarian

B.S., University of Wisconsin, Eau Claire; M.L.I.S., University of Wisconsin, Milwaukee.

Wayne Fletcher

Associate Professor of Health Sciences

B.S., Colorado State University; M.B.A., University of Denver; Ed.D., University of California, Los Angeles.

Ruth Flores

Visiting Professor of English

B.S., M.A., California Baptist University.

Kendra Maria Flores-Carter

Assistant Professor of Social Work

B.A., California State University, Dominguez Hills; M.S.W., California State University, Long Beach; D.S.W., University of Tennessee, Knoxville.

Jan Flournoy

Assistant Professor of Nursing

B.S.N., University of Maryland; M.S.N., California State University, Dominguez Hills.

Rod Foist

Professor of Electrical and Computer Engineering

B.S.E.E., M.S.E.E., University of Washington, Seattle; Ph.D., University of British Columbia.

L. Alan Fossett

Professor of Chemistry

B.S., Northwest Nazarene College; Ph.D., University of California, Davis.

Thomas Frederick

Associate Professor of Psychology

B.S., M.A., Geneva College; M.A., Ph.D., Fuller Theological Seminary.

Laura Freeman

Associate Professor of Psychology

B.S., University of Wisconsin, Madison; M.A., Psy.D., Biola University.

Lisa Friesen

Assistant Professor of Kinesiology

B.A., University of the Pacific; M.S., James Madison University.

Joshua Fuller

Assistant Professor of Industrial and Organizational Psychology

B.S., Central Michigan University; M.A. Pepperdine University.

G

Jeffrey Gage

Professor of Nursing

M.P.H., University of Otago, Christchurch; Ph.D., University of Missouri.

Ana Gamez

Associate Professor of Psychology

B.A., M.S., California State University, Los Angeles; M.B.A., West Texas A&M University; Ph.D., Loma Linda University.

Edward Garrett

Associate Professor of Sports Management

B.A., Point Loma Nazarene University; M.A., Colorado Christian University; M.A., University of Phoenix; Psy.D., University of the Rockies.

Levi Garrett

Assistant Professor of Kinesiology

B.S., M.S., California Baptist University.

Sabrina Garrovillas

Assistant Professor of Nursing

B.S., University of California, Riverside; M.S.N., California Baptist University.

Kenneth George

Assistant Professor of Finance

B.A., M.B.A., University of La Verne; M.S., Claremont Graduate University.

John Gill

Associate Professor of Christian Studies

B.A., University of California, San Diego; M.Div., Golden Gate Seminary; Ph.D., Southern Baptist Theological Seminary.

Trevor Gillum

Associate Professor of Kinesiology

B.S., University of Oklahoma; M.S., University of Montana; Ph.D., University of New Mexico.

Matthew Goddard

Associate Librarian

B.A., University of Southern California; M.A., University of Chicago; M.L.I.S., University of Washington.

Christina Gonzalez

Assistant Professor of Business

B.S., Pepperdine University; M.B.A., California Baptist University.

Creighton Goodman

Assistant Professor of Aviation Science

B.S., Loyola University; M.A., Trident University.

Julie Goodman-Bowling

Assistant Professor of Anthropology

B.A., Biola University; M.A., California State University, Fullerton.

Mark Gordon

Associate Professor of Mechanical Engineering

B.S.E., Calvin College; M.S.E., Ph.D., University of Michigan.

Ted Grant

Lecturer, Physics

B.S., B.S., University of California, Riverside; M.S., Ph.D., University of California, Irvine.

Aaron Greene

Assistant Professor of Architecture

B.Des., University of Florida; M.Arch., Massachusetts Institute of Technology.

Anna Grigorian-Routon

Assistant Professor of Psychology

B.A., University of California, Riverside; M.A., California Baptist University.

Beth A. Groves

Assistant Professor of Public Administration

B.A., Central Michigan University; M.P.A., California State University, Long Beach.

Sandra Jeannette Guignard

Associate Professor of Organizational Leadership

B.S.B.A., M.B.A., California State Polytechnic University, Pomona; Ed.D., Pepperdine University.

Jacqueline Gustafson

Associate Professor of Psychology

B.A., M.A., Northwest University; Ed.D., Seattle University.

H**Teresa Hamilton**

Associate Professor of Nursing

A.D.N., Golden West College; B.S.N., M.S.N., California State University, Fullerton; Ph.D., University of Wisconsin at Milwaukee.

Mi Kyung Han

Assistant Professor of Computer Science

B.S., Korea Advanced Institute of Science & Technology; M.S., Ph.D., University of Texas, Austin.

Virgo Handojo

Professor of Psychology

B.A., Diponegoro University; M.A., M.A., M.A., Ph.D., Fuller Theological Seminary.

Adele Harrison

Professor of Finance

B.S., San Diego State University; M.B.A., Louisiana Tech University; Ph.D., University of Nebraska, Lincoln.

Andrew Harveson

Assistant Professor of Kinesiology

B.A., Whitworth University; M.S., Central Washington University; Ph.D., University of Utah.

Lauri Hauck

Visiting Professor of Kinesiology

B.A., M.S., California Baptist University.

Robert Hayden

Visiting Professor of Communication

B.A., Milligan College; M.A., Biola University.

Krystal Hays

Assistant Professor of Social Work

B.A., University of California, Irvine; M.S.W., Ph.D., University of Southern California.

Carolyn Heine

Associate Librarian

B.A., Westmont College; M.L.I.S., University of British Columbia.

Keith Hekman

Associate Professor of Mechanical Engineering

B.S.E., Calvin College; M.S.M.E, Ph.D., Georgia Institute of Technology.

Lisa Hernandez

Professor of Mathematics

B.A., M.S., Ph.D., University of California, Riverside.

Dayna Herrera

Associate Professor of Nursing

B.S.N., M.S.N., University of Phoenix; D.N.P., Rush University.

Dinah Herrick

Assistant Professor of Nursing

B.S.N., Azusa Pacific University; M.S.N, University of Phoenix.

Andrew C. Herrity

Professor of Business

B.A., University of Southern California; M.B.A., California State Polytechnic University; M.A., Ph.D., University of California, Riverside.

James Heyman

Lecturer, Education

B.A., University of California, Berkeley; M.A., San Jose State University; Ed.D., University of San Francisco.

Nathanael Heyman

Associate Professor of Biology

B.S., Lee University; Ph.D., University of Arizona.

John Higley

Professor of Criminal Justice

B.A., University of California, Irvine; M.A., National University; D.P.A., University of La Verne.

Troy Hinrichs

Professor of Criminal Justice

B.A., B.A., Hardin-Simmons University; J.D., Texas Technical University School of Law.

Trever Hoehne

Assistant Professor of Graphic Arts

B.A., California Baptist University.

Guy Holliday

Assistant Professor of Music

B.A., California State University, Fresno; M.M., Azusa Pacific University; D.M.A., Claremont Graduate University.

Jennifer Holman

Assistant Professor of Physician Assistant Studies

B.A., University of California, Los Angeles; M.S.P.A., Western University of Health Sciences.

Tran Hong

Assistant Professor of Computer Science

B.S., California State University, Long Beach; M.B.A., University of Phoenix; Ed.D., California State University, Fullerton.

Tad Hove

Assistant Professor of Business Administration

B.S., Devry University; M.B.A., California Baptist University; M.A., Ph.D., Fielding Graduate University.

Mitchell R. Hovey

Professor of Education

B.S., University of Southern California; M.A., Ed.D., Azusa Pacific University.

Ying Hu

Associate Professor of Chemistry

B.A., B.S., Dailan University of Technology; Ph.D., Bowling Green State University.

Morris Hunter

Assistant Professor of Radiologic Sciences

A.A., Antelope Valley College; B.V.E., M.Ed., California State University, San Bernardino.

I

Kyungsoo Im

Assistant Professor of Computer Science

B.S., Georgia Institute of Technology; M.S., Kennesaw State University; Ph.D., Clemson University.

David Isaacs

Assistant Professor of English

B.A., California State University, San Bernardino; M.A., Simon Greenleaf University; M.A., Trinity International University.

Nathan Iverson

Assistant Professor of Psychology

B.A., Trinity Lutheran College; M.A., Seattle Pacific University.

J

DawnEllen Jacobs

Professor of English

B.A., Northern Illinois University; M.A., Ph.D., University of California, Riverside.

Thomas Jernejcic

Associate Professor of Computer Information Technology

B.A., California Baptist University; M.S., Dakota State University.

Susan Jetton

Associate Professor of Nursing

B.S.N., Loma Linda University; M.S.N., California State University, Dominguez Hills; D.N.P., Western University of Health Sciences.

Hector Jimenez

Assistant Professor of Music

B.A., California Baptist University; M.M., California State University, Los Angeles.

Creed Jones

Professor of Software Engineering

B.S., M.S., Oakland University; Ph.D., Virginia Polytechnic University

Helen Jung

Associate Professor of Civil Engineering

B.S., M.S., Ph.D., University of California, Los Angeles.

K

Keelan Kaiser

Professor of Architecture

B.S., M.Arch., University of Nebraska, Lincoln.

Ellen Kaminski

Assistant Professor of Business

B.A., M.P.A., California Baptist University.

Christopher Kern

Assistant Professor of Photography

B.A., California State University, Fullerton; M.F.A., Academy of Art University.

Scott B. Key

Professor of Philosophy

B.A., University of New Mexico; M.Div., Ph.D., Southern Baptist Theological Seminary.

Wendy Keyes-Kimbirk

Assistant Professor of Business Administration

B.A., B.A., California State University, San Bernardino; M.A., University of California, Riverside.

Jong-Kyung Kim

Associate Professor of Exercise Science

B.S., Kyung Hee University; M.A., M.S., Ball State University; Ph.D., Wayne State School of Medicine.

Namhee Kim

Associate Professor of Communication Disorders

B.A., M.A., Yonsei University; Ph.D., University of Texas, Austin.

Sangmin Kim

Professor of Health Science

B.A., M.A., Ed.D., University of Northern Iowa.

Seung-Jae Kim

Professor of Mechanical Engineering and Bioengineering

B.S., Han-Yang University; M.S., Pohang University of Science and Technology; M.S., Ph.D., University of Utah.

Yeesock Kim

Associate Professor of Construction Management and Civil Engineering

B.S., Catholic Kwandong University; M.S., Yonsei University; Ph.D., Texas A & M University.

Patricia L. Kircher

Professor of Political Science

B.S., California Baptist University; M.P.A., D.P.A., University of La Verne.

Toni Kirk

Professor of English

B.A., California Baptist University; M.A., California State University, San Bernardino; M.A., California Baptist University; M.A., Ph.D., Pacifica Graduate Institute.

Stephan Kish

Lecturer, Mathematics

B.A., University of California, Riverside; M.Div., Golden Gate Seminary.

Mark Kling

Associate Professor of Criminal Justice

B.S., University of Phoenix; M.P.A., D.P.A., University of La Verne.

Joshua Knabb

Associate Professor of Psychology

B.S., University of Redlands; M.A., Psy.D., Azusa Pacific University.

Michael Kolta

Assistant Professor of Computer Science

B.S., Rensselaer Polytechnic Institute; M.S., Ph.D., State University of New York, Albany.

Seong Kong

Associate Professor of Biomedical Engineering

B.S., Kyunghee University; M.S., Yonsei University; Ph.D., University of California, San Diego.

Bon-Jun Koo

Professor of Environmental Science

B.S., M.S., Konkuk University; Ph.D., University of California, Riverside.

L

Robert LaChausse

Associate Professor of Public Health

B.A., M.S., California State University, San Bernardino; Ph.D., Claremont Graduate University.

Douglas Lainson

Assistant Professor of Business Administration

B.A., Loma Linda University; M.B.A., Biola University; Ph.D, Claremont Graduate University.

Jacob Lanphere

Associate Professor of Environmental Science

B.S., Ph.D., University of California, Riverside.

Anne-Marie Larsen

Professor of Psychology

B.A., University of California, Los Angeles; M.A., Ph.D., California School of Professional Psychology.

Esther Lee

Assistant Professor of Statistics

B.A., Ajou University; M.A., Yonsei University; Ph.D., University of California, Irvine.

Jay Lee

Professor of Construction Management

B.E., M.S.E., Inha University; Ph.D., Purdue University.

Charles Lee-Johnson

Assistant Professor of Social Work

B.A., Morehouse College; M.S.W., University of California, Los Angeles; D.Min., United Theological Seminary.

Nathan Lewis

Professor of Psychology

B.A., California Baptist University; M.A., Ed.D., Southwestern Baptist Theological Seminary.

Kristine Lippire

Associate Professor of Visual Arts

B.F.A., California State University, Long Beach; M.F.A., Claremont Graduate University.

Carla Liu

Assistant Professor of English

B.A., Hope College; M.S., Nazareth College of Rochester; Ed.D., Alliant International University.

James J. Lu

Professor of English

B.A., Shandong University; M.A., Institute of American Literature; M.A., Ph.D., Duke University.

Timothy C. Luther

Professor of Political Science

B.A., Blackburn College; M.A., University of Illinois; Ph.D., University of Idaho.

Lee Lyons

Professor of Communication Arts

B.A.A., M.F.A., San Diego State University.

M

Nicole MacDonald

Professor of Athletic Training

B.A., Point Loma Nazarene University; M.P.H., Dr.P.H., Loma Linda University.

Travis Maclay

Assistant Professor Music

B.S., M.A., Liberty University.

Amanda Madrid

Assistant Professor of Nursing

B.S.N., California Baptist University; M.S.N., Grand Canyon University.

Michael Marse

Assistant Professor of Communication Arts

B.A., California Baptist University; M.A. California State University, San Bernardino.

John Marselus

Professor of Aviation Science

B.S., United States Air Force Academy; M.S., Air University; M.A., M.Div., D.Min., Liberty University.

Nia Martin

Assistant Professor of Nursing

B.S.N., McNeese State University; M.S.N., University of Phoenix.

Meg Matthews

Assistant Professor of Nursing

B.A., Georgian Court College; B.S.N., M.S.N., California Baptist University.

Kristin Mauldin

Assistant Professor of Psychology

B.A., California State University, Hayward; M.A., Ph.D., Miami University.

Lesley Mayne

Assistant Professor of Communication Disorders

B.A., University of Southern California; M.A., California State University, Fullerton; P.h.D., Claremont Graduate University.

Jane McGuire

Professor of Education

B.A., Boise State University; M.A., California State University, San Bernardino; Psy.D., Alliant University.

Chris McHorney

Professor of Political Science

B.A., University of California, Los Angeles; M.S., Troy State University, Dothan; Ph.D., University of California, Riverside.

Ogbochi McKinney

Assistant Professor of Public Health

B.A., M.P.A., M.P.H., California State University, Long Beach; Dr.P.H., Loma Linda University.

Denise McLurkin

Associate Professor of Education

B.A., University of California, Irvine; M.S., California Baptist University; M.A., Ph.D., University of Michigan, Ann Arbor.

Jeff McNair

Professor of Education

B.A., Wheaton College; M.A., California State University, Los Angeles; Ph.D., University of Illinois, Champaign-Urbana.

Ash Melika

Professor of Anthropology

B.A., The City University of New York; M.A., Columbia University; M.A., New York University; M.Div., Princeton Theological Seminary; Ph.D., University of Leicester.

Rebecca Meyer

Associate Professor of Nursing

B.S.N., M.S.N., Mount St. Mary's College; Ph.D., Azusa Pacific University.

Frank Mihelich

Associate Professor of Theatre

B.A., B.A., California Baptist University; M.F.A., Columbia University.

Amy Miller

Associate Professor of Kinesiology

B.S., California Baptist University; M.S., California State University, Fullerton; Dr.P.H., Loma Linda University.

Julian Mills-Beale

Associate Professor of Civil Engineering

B.Sc., Kwame Nkrumah University of Science and Technology; M.S., Ph.D., Michigan Technological University.

Kenneth Minesinger

Associate Professor of Law

B.A., California State University, San Bernardino; J.D., Western State University College of Law.

Carol Minton

Professor of Sociology

B.S., M.Ed., University of Central Oklahoma; M.S., Ph.D., Oklahoma State University.

Richard Mobley

Professor of New Testament

B.A., Hardin-Simmons University; M.Div., Ph.D., Southwestern Baptist Theological Seminary.

Jin-Sil Mock

Assistant Professor of Education

B.S., University of Illinois, Urbana-Champaign; Ed.M., Harvard Graduate School of Education.

Gene Moon

Associate Professor of Music

B.M., University of Central Oklahoma; B.M.Ed., Chapman University; M.A., New York University; D.M.A., University of Oklahoma.

Jeff Mooney

Professor of Old Testament

B.A., Auburn University; M.Div., Beeson Divinity School; Ph.D. Southern Baptist Theological Seminary.

Christopher Morgan

Professor of Theology

B.A., Southeast Missouri State University; M.Div., Ph.D., Mid-America Baptist Theological Seminary.

Elizabeth Morris

Professor of Education and Mathematics

B.A., M.S., California Baptist University; Ph.D., Capella University.

Timothy Mosteller

Professor of Philosophy

B.A., University of Southern California; M.A., Biola University; Ph.D., University of Miami.

Deogratius Mshigeni

Assistant Professor of Sociology

B.A., University of Dar es Salaam; M.A., Ph.D., University of Nevada, Las Vegas.

Richard Muchow

Instructor of Music

B.A., San Jose State University.

Pamela Mukaire

Assistant Professor of Public Health

B.A., P.G.D.E., Makerere University; M.Ed., University of Vermont; M.P.H., University of Wisconsin; Dr.P.H., Loma Linda University.

Ted Murcra

Assistant Professor of Education

B.A., M.S., California Baptist University; Ed.D., Vanderbilt University.

Elisabeth Murillo

Assistant Professor of Aviation Science

B.S., Westminster College; M.C.A., Delta State University.

N**Jenifer Nalbandian**

Assistant Professor of Chemistry

B.S., Pepperdine University; M.S., Ph.D., University of California, Riverside.

Michael Nalbandian

Assistant Professor of Engineering

B.S., Ph.D., University of California, Riverside.

Sanggon Nam

Associate Professor of Public Health

B.A., Handong Global University; M.S., Clemson University; Ph.D., University of Texas Medical Branch, Galveston.

Bob Namvar

Professor of Economics

B.S., M.S., Pahlavi University; M.A., Indiana University; Ph.D., University of California, Riverside.

Bryan Ness

Associate Professor of Communication Disorders

B.S., M.S., University of Nevada; Ph.D., University of Oregon.

Jennifer Newton

Associate Professor of English

B.A., LeTourneau University; M.A., Ph.D., Baylor University.

Liya Grace Ni

Professor of Electrical and Computer Engineering

B.S., Xi'an Jiao Tong University; M.S., National University of Singapore; Ph.D., University of Waterloo.

Michelle Nielsen-Hernandez

Associate Professor of Mathematics

B.A., Bethel University; M.S., Ph.D., University of Minnesota, Minneapolis.

Matthew Niermann

Assistant Professor of Architecture

B.S., M.Arch., University of Illinois, Urbana-Champaign; M.A., Biola University; M.A., Gordon-Conwell Theological Seminary; M.S., Ph.D., University of Michigan.

Kathryn Norwood

Professor of Education

B.S., California Baptist University; M.A., M.A., Ed.D., Azusa Pacific University.

Fyne Nsofor

Associate Professor of Intercultural Studies

B.A., West Africa Theological Seminary; M.A., Wesley Biblical Seminary; Ph.D., Trinity International University.

O**Geneva G. Oaks**

Professor of Nursing

B.S.N., M.S.N., Ph.D., Azusa Pacific University.

Vina Ocampo

Assistant Professor of Nursing

B.S., M.S.N., California State University, Fullerton.

David Ogoli

Professor of Architecture

B.Arch., University of Nairobi; M.Phil., University of Cambridge; Ph.D., University of Florida.

Heather Ontiveros

Assistant Professor of Physician Assistant Studies

B.S., University of California, Davis; M.A., San Diego State University.

Monica O'Rourke

Professor of Kinesiology

B.S., California State University, San Bernardino; M.S., California Baptist University; Ph.D., Middle Tennessee State University.

Mandy Ortiz

Assistant Professor of Marketing

B.A., Hamilton College; M.B.A., University of Texas, Austin; Ph.D., University of Alabama, Tuscaloosa.

Mario Oyanader

Professor of Chemical Engineering

B.S., Northern Catholic University; M.S., Hawaii Pacific University; Ph.D., Florida State University.

P

Marilyn Panaro

Lecturer, Natural Sciences

B.S., The State University of New York, Buffalo; M.A., Trinity International University.

Frank Pankowski

Professor of Mathematics

M.S., M. Kopernika University; Ph.D., University of Wroclaw.

Katherine Papineau

Associate Professor of Art History

B.A., Wellesley College; M.A., Ph.D., University of California, Santa Barbara.

Hyun-Woo Park

Professor of Biology

B.S., M.S., Seoul National University; Ph.D., University of California, Riverside.

Samuel Park

Assistant Professor of Graphic Design

B.A., Art Center College of Design; M.F.A., Liberty University.

Barry Parker

Librarian

B.A., McMaster University; M.Div., Northwest Baptist Theological Seminary; M.L.I.S., University of British Columbia; Ph.D., University of Sheffield.

Jonathan K. Parker

Professor of Education

B.A., University of California, Santa Cruz; M.A., San Francisco State University; Ed.D., University of the Pacific.

Ashley Parks

Assistant Professor of Public Health

B.S., M.P.H., California State University, Fresno; Dr.P.H., University of California, Los Angeles.

John Pate

Assistant Professor of Communication Arts

B.A., California Baptist University; M.A., California State University, Los Angeles.

Robert Pate

Associate Professor of Psychology

B.A., Wagner College; M.A., Psy.D., Biola University.

Ken Pearce

Professor of Psychology

B.A., M.Ed., Central State University; Ph.D., Oklahoma State University.

David Pearson

Professor of Kinesiology

B.S., M.S.A., West Chester University; Ph.D., University of California, Riverside.

Mary Ann Pearson

Professor of Communication

B.A., M.S., California Baptist University; Ed.D., La Sierra University.

Marshare Penny

Associate Professor of Public Health

B.S., M.P.H., San Diego State University; Dr.P.H., Loma Linda University.

Juliann Perdue

Professor of Nursing

B.S.N., University of Texas, El Paso; M.S.N., University of Phoenix; D.N.P., Western University of Health Sciences.

Gilberto Perez

Associate Professor of Spanish

B.A., University of California, Riverside; M.A., Claremont Graduate University.

Arlene Perkins

Professor of Computer Science

B.S., California State University, Hayward; B.S., University of Southern Mississippi; M.S., Ph.D., University of California, Davis.

Henry Petersen

Associate Professor of Business Administration

B.S., M.S. Ph.D., University of Calgary.

Gene Peterson

Associate Professor of Music

A.A., El Camino College; B.M., M.A., Chapman University; D.M.A., University of Washington.

Anthony Phillips

Assistant Professor of Nursing

B.S.N., California State University, Dominguez Hills; M.S.N., Western Governor's University.

Glenn Pickett

Associate Professor of Music

B.A., California State University, Northridge; M.M., Azusa Pacific University; D.M.A., Claremont Graduate University.

Rosenda A. Pike

Assistant Professor of Education

B.A., M.A., California Baptist University; Ph.D., University of California, Riverside.

Frederick Pontius

Professor of Civil Engineering

B.S., M.S., Ph.D., University of Colorado, Boulder.

Chase Porter

Assistant Professor of Political Science

B.A., Mississippi College; M.Div., Samford University; Ph.D., University of Alabama.

Stephen Posegate

Professor of Music

B.M.E., Wheaton College; M.Ed., University of Alaska, Anchorage; M.M., Indiana University; D.M.A., University of Oregon.

Daniel Prather

Professor of Aviation Science

B.C.A., Delta State University; M.B.A., University of North Alabama; M.P.A., Southern Illinois University; Ph.D., University of Nebraska, Lincoln.

Bruce Prins

Professor of Biology

B.A., Point Loma College; Ph.D., University of California, Irvine.

Brett Provance

Associate Professor of Humanities

B.S., California State Polytechnic University, Pomona; M.A., Ph.D., Claremont Graduate University.

Cammy Purper

Associate Professor of Early Childhood Studies

B.A., University of Redlands; M.A. Pacific Oaks College; Ph.D., Claremont Graduate University.

Susan Purrington

Assistant Professor of Psychology

B.A., Concordia University; M.A., Psy.D., Biola University.

Joseph Putulowski

Assistant Professor of Marketing

B.A., California State University, Fullerton; M.B.A., California Baptist University; Ph.D., Northcentral University.

R

Brenda Reinebach

Lecturer, Music

B.A., M.A., Bob Jones University.

John Reinebach

Professor of Music

B.A., M.A., Bob Jones University; D.M.A., University of Southern California.

Matthew Rickard

Professor of Mechanical Engineering

B.S., M.S., Ph.D., University of California, Irvine.

Mark Roberson

Professor of Architecture

B.S., University of Texas, Arlington; B.Arch., M.Arch., University of Southern California.

Pennee Robertson

Assistant Professor of Nursing

B.S.N., M.S.N., California State University, Fullerton; D.N.P., Rush University.

Daniel Robinson

Assistant Professor of Education

B.A., Westmont College; M.A., University of Redlands; M.S.W., University of Southern California.

Joshua Rodriguez

Assistant Professor of Music

B.A., Thomas Edison State College; M.M. Cleveland Institute of Music; Ph.D., University of California, Los Angeles.

Sandra Romo

Assistant Professor of Journalism

B.A., M.S., California Baptist University; Ph.D., Regent University.

Erica Roth

Assistant Professor of Psychology

B.S., Houghton College; M.S.Ed., St. Bonaventure University; Psy.D., Azusa Pacific University.

Mischa Routon

Associate Professor of Psychology

B.A., M.S., California Baptist University; Ph.D., Fielding Graduate University.

Stephen Runyan

Assistant Professor of Biology

B.S., M.S., Ph.D., University of California, Los Angeles.

Noe Ruvalcaba

Associate Professor of Spanish

B.A., University of California, Santa Barbara; M.A., Ph.D., University of California, Riverside.

S

Erik Salley

Associate Professor of Kinesiology

B.S., Boise State University; M.A., Southern Baptist Theological Seminary; M.P.T., Idaho State University; D.P.T., A.T. Still University.

Charles D. Sands

Professor of Health Science

B.S., Samford University; M.A., Ph.D., University of Alabama, Birmingham; Additional Study, Management Development Program, Harvard University.

Patrick Schacht

Associate Professor of Biochemistry

B.S., Biola University; Ph.D., University of California, Riverside.

Jasmine Schmidt

Assistant Professor of Nursing

B.S.N., Loma Linda University; M.S.N., M.B.A., University of Phoenix.

Thomas Schneider

Associate Professor of English

B.A., Calvin College; M.A., Ph.D., University of California, Riverside.

Andrea Scott

Associate Professor of Marketing

B.A., Wheaton College; M.B.A., Emory University; Ph.D., University of South Florida.

Karen Shade

Assistant Professor of Computer Information Systems

B.S., Texas A&M University; M.A., California State University, San Bernardino.

Elisa Shepard

Associate Professor of Psychology

B.A., Ph.D., Biola University.

Lorraine Shields

Assistant Professor of Nursing

B.S.N., M.S.N., University of California, Los Angeles; D.N.P., Vanderbilt University.

Robert Shields

Assistant Professor of Computer Information Technology

B.S., University of North Carolina, Charlotte; M.A., Pepperdine University; Ed.D., California State University, Fullerton.

Alexandra Shin

Assistant Professor of Biology

B.S., George Fox University; Ph.D., Loma Linda University.

Kathryn Short

Professor of Education

B.A., California State University, Fullerton; M.A., California State Polytechnic University, Pomona; Ed.D., University of Southern California.

John R. Shoup

Professor of Education

B.A., University of Montana, Missoula; M.A., M.Div., Trinity Evangelical Divinity School; Ph.D., University of California, Riverside.

April Si

Associate Professor of Mechanical Engineering

B.S., M.S., Dalian University of Technology; Ph.D., Texas A&M University.

Michael Sill

Assistant Professor of Mathematics

B.S., Loyola Marymount University; Ph.D., University of California, Riverside.

Duncan Simcoe

Professor of Visual Arts

B.A., California Baptist University; M.F.A., California State University, Long Beach.

Riste Simnjanovski

Associate Professor of Education

B.A., M.A., University of Redlands; D.P.A., University of La Verne.

Joseph Slunaker

Assistant Professor of Christian Studies

B.A., California Baptist University; M.Div., Golden Gate Seminary.

Erin Smith

Associate Professor of Psychology

B.A., Point Loma Nazarene University; M.A., Ph.D., University of California, Riverside.

Daniel St. Marseille

Lecturer, Music

B.M., Chapman University; M.M., California State University, Fullerton.

Mary Stahovich

Assistant Professor of Physician Assistant Studies

B.S., University of California, San Diego; M.H.P., Northeastern University.

Owen Staley

Lecturer, English

B.A., M.A., University of California, Berkeley; Ph.D., University of California, Los Angeles.

Jan Stanfield

Assistant Professor of Social Work

B.A., Michigan State University; M.S.W., University of Michigan.

Kyle Stewart

Associate Professor of Physics

B.S., University of California, Los Angeles; M.S., Ph.D., University of California, Irvine.

H. Bruce Stokes

Professor of Behavioral Science

B.A., California State University, Dominguez Hills; M.A., Ph.D., University of California, Riverside.

Amy Stumpf

Professor of Religion and Society

B.A., Pacific Union College; M.A., Ph.D., Loma Linda University.

Dominick Sturz

Associate Professor of Public Health

B.S., M.P.H., California State University, Fullerton; Dr.P.H., Loma Linda University.

Sean Sullivan

Professor of Kinesiology

B.S., M.A., San Diego State University; Ph.D., University of New Mexico.

Linda-Marie Sundstrom

Associate Professor of Public Administration

B.S., California Polytechnic University, Pomona; M.P.A., California State University, San Bernardino; D.P.A., University of La Verne.

Tae Sung

Assistant Professor of English

B.A., University of California, San Diego; M.A., Fuller Theological Seminary; Ph.D., University of California, Irvine.

Satoru Suzuki

Professor of Chemistry

B.S., Grand Canyon University; Ph.D., Arizona State University.

Daniel Szeto

Professor of Biology and Biochemistry

B.S., University of California, Davis; M.S., San Diego State University; Ph.D., University of California, San Diego.

T**Yvonne Thai**

Associate Professor of Sociology

B.S., M.A., Ph.D., University of California, Riverside.

Terri Thompson

Assistant Professor of Nursing

B.S.N., Oral Roberts University; M.S.N., Chamberlain College of Nursing; D.N.P., Western University of Health Sciences.

Carla Thornton

Assistant Professor of Social Work

B.A., University of Maryland; M.A., University of Redlands; M.S.W., University of Southern California.

Rachel Timmons

Professor of Education

B.S., Concordia Teacher's College; M.A., Michigan State University; Ed.D., La Sierra University.

Stacey Toro

Assistant Professor of Nursing

B.S.N., M.B.A., M.S.N., University of Phoenix.

Nidia Torres

Assistant Professor of Nursing

B.S., University of Phoenix; M.S.N., California Baptist University.

Erika Travis

Assistant Professor of English and Behavioral Science

B.A., M.A., California Baptist University; Ph.D. Claremont Graduate University.

Jennifer Tronti

Assistant Professor of English

B.A., California Baptist University; M.A., Claremont Graduate University; M.A., Pacifica Graduate Institute.

Jones Tsai

Assistant Professor of Biochemistry

B.S., University of California, San Diego; M.S., Ph.D., Columbia University.

V**Gaynell Vanderslice**

Assistant Professor of Management

B.A., M.B.A., California State University, San Bernardino; Ph.D., Alliant International University.

Veola Vazquez

Professor of Psychology

B.A., California Baptist University, M.A., Ph.D., Biola University.

Laura Veltman

Professor of English

B.A., Calvin College; M.A., Ph.D., University of Wisconsin, Madison.

James Veneman

Visiting Professor of Photojournalism

B.A., Ouachita Baptist University; M.A., Southwestern Baptist Theological Seminary.

Candace Vickers

Associate Professor of Communication Disorders

B.A., M.S., Chapman University; Ph.D., Claremont Graduate University.

W**Caleb Walder**

Assistant Professor of Architecture

B.S., M.Arch., University of Illinois, Urbana-Champaign.

Deron Walker

Professor of English

B.A., M.A., Eastern Illinois University; Ph.D., Southern Illinois University.

Doug Wallace

Associate Professor of Sociology

B.S., Missouri Southern State University; M.A., Ph.D., Kansas State University.

Keith Walters

Professor of Education

B.A., Calvin College; M.A., California State University, Long Beach; Ed.D., University of Southern California.

Steven Hseuh Ming Wang

Associate Professor of Industrial and Systems Engineering

B.S., National Chung Cheng Institute of Technology; M.M.E., Northwestern University; M.S., Ph.D., Lehigh University.

Nancy Ward

Lecturer, Visual Arts

B.F.A., California State University, Fullerton; M.F.A., Azusa Pacific University.

Tracy Ward

Associate Professor of Behavioral Science and Education

B.S., Stephen F. Austin State University; M.Div., Golden Gate Seminary; M.Ed., Azusa Pacific University; Ph.D., Claremont Graduate University.

Sam Welbaum

Assistant Professor of Christian Studies

B.A., California Baptist University; M.A., Biola University; M.T.S., Golden Gate Seminary.

Marc Weniger

Associate Professor of Business

B.S., Lewis University; M.B.A., University of Phoenix, M.A., Ph.D., Fielding Graduate University.

Ruth Noemy Wheeler

Lecturer, Music

B.A., Superior Conservatory of Music; M.M. California Baptist University.

Jeri Whitfield

Assistant Professor of Nursing

A.D.N., B.S.N., Mesa State College; B.A., Colorado State University; M.Div., Golden Gate Seminary.

Leslie Wickman

Professor of Industrial Systems and Engineering

B.S., Willamette University; M.S., Ph.D., Stanford University.

Melissa Wigginton

Associate Professor of Health Science

B.S., California State University, San Bernardino; M.S., California State University, Fullerton; Dr.P.H., Loma Linda University.

Shawn Wilhite

Assistant Professor of Christian Studies

B.A., California Baptist University; M.Div., Th.M., Master's Seminary; Th.M., Ph.D., Southern Baptist Theological Seminary.

Robert Willett

Assistant Professor of Mathematics

B.S., California Baptist University; M.S., Ph.D., University of California, Riverside.

Danny K. Wilson

Professor of Biblical Studies

B.A., Union University; M.Div., Ph.D., Southwestern Baptist Theological Seminary.

Natalie Winter

Professor of Business

B.S., M.B.A., Azusa Pacific University; Ed.D., Pepperdine University.

Christopher K. Wright

Assistant Professor of Graphic Arts

B.F.A., Virginia Commonwealth University; M.A., M.F.A., Savannah College of Art and Design.

Mark A. Wyatt

Assistant Professor of Communication Arts

B.F.A., Valdosta State University; M.Div., Southern Baptist Theological Seminary; D.Min., Golden Gate Seminary.

X**Jinxiang Xi**

Associate Professor of Biomedical Engineering

B.S., Shanghai Jiao Tong University; M.S., Xi'an Jiaotong University; Ph.D., Texas A&M University.

Helen Xu

Associate Librarian

B.A., East China Normal University; M.L.I.S., San Jose State University.

Xuping Xu

Professor of Electrical and Computer Engineering

B.S.E.E., B.S., Shanghai Jiao Tong University; M.S.E.E., M.S., Ph.D., University of Notre Dame.

Y**James Yoo**

Assistant Professor of Economics

B.A., Sungkyunkwan University; M.A., Northern Illinois University; Ph.D., Pennsylvania State University.

Z**Jennifer Zamora**

Assistant Professor of Physician Assistant Studies

B.S., California State University, Fullerton; M.P.A.P., University of Southern California.

Effat Zeidan

Assistant Professor of Science and Mathematics

B.S., American University of Beirut; Ph.D., University of North Carolina, Greensboro.

Jun Zhang

Associate Professor of Industrial Engineering

B.S., M.S., Beijing Institute of Technology; Ph.D., Purdue University.

Xueyan Zhao

Assistant Professor of Chemical Engineering

B.S., M.S., Tianjin University; M.S., University of Akron; Ph.D., University of Minnesota, St. Paul.

Shasha Zheng

Assistant Professor of Nutrition and Food Sciences

B.E., Southern Yangtze University; M.A., Boston University School of Medicine; Ph.D., University of Illinois, Urbana-Champaign.

Ziliang Zhou

Professor of Mechanical Engineering

B.S., Shanghai Jiao Tong University; M.S. University of Manitoba; M.B.A., University of Michigan; Ph.D., University of Kentucky.