

**Pre-CBU**

Transfer Credit for MAT245 or Score of 4 or 5 on AP Calculus AB	4
Above MAT245 Credit Exempts Student from EGR182 (Intro Math Engineering) once EGR182L is passed	
Transfer Credit or Credit from AP for CHE115 General Chemistry I (plus CHE115L)	4
Transfer Credit or AP Credit for ENG113 Composition	3

Total Units: 0                      Total Units: 0                      Total Units: 11

**First Year**

**Fall Semester**

MAT 255 Analytical Geom and Calculus II	4
EGR 101 Engineering Christian Worldview	4
PHY 201 Physics for Engineer I	4
EGR 271 Basic Princ & Calc in ChE I	2
ENG 123 Intermediate Comp	3
GST 100 First Year Experience (Fresh Only)	1

Total Units: 18

**Spring Semester**

MAT 342 Fund of Multivar Calc and DE for Engineers	3
CHE 125 General Chemistry II + CHE125L	4
EGR 342 Fluid Mechanics	3
EGR 272 Basic Princ & Calc in ChE II	2
EGR 192 Engineering Seminar	1
EGR 102 Intro to Engineering Design	4
EGR 103 Engineering Service	1

Total Units: 18

**Summer Semester**

GE1	3
GE2	3
Approved Elective	3

Total Units: 9

**2nd Year**

**Fall Semester**

EGR 306 Internship Prep	1
CHE 351 Organic Chemistry I	4
CHE 415 Physical Chemistry I	3
EGR 371 Heat & Mass Transport	3
EGR 302 Engineering Design & Doc	3
EGR 475 Process Safety	2
EGR 305 Engineering Statistics	2

Total Units: 18

**Spring Semester**

EGR 372 Chemical Engr Thermodynamics	3
EGR 374 Separations	3
EGR 304 Leadership Cohort	1
EGR 373 Materials Engr & Selection	2
CHE 352 Organic Chemistry II	4
EGR 182L Intro Math Engineering Lab	1
PHY 203 Physics for Engineer II	4

Total Units: 18

**Summer Semester**


Total Units: 0

**3rd Year**

**Fall Semester**

EGR 401 Capstone Design	3
EGR 405 Internship Report	1
EGR 473 Chemical Reaction Engineering	3
EGR 324 Engineering Economics	3
EGR 477 Chemical Engineering Lab	3
Technical Elective	3

Total Units: 16

**Spring Semester**

EGR 402 Capstone Design Presentation	3
EGR 474 Process Control	3
EGR 121 C++	3
GE3	3
GE4	3
EGR 122 Visualization Languages	3

Total Units: 18

**Summer or Fall**


Total Units: 0

Pre-approved 200 hour internship, Cross-cultural experience, and Passing Practice FE Exam are also required