

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) [If credit is for BIO146, then CHE115 and CHE115L can be swapped with BIO146]	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
EGR 121 C++	3
EGR 261 Fund Bioengineering 1	3
EGR 122 Visualization Languages	3
GST 100 First Year Experience	1

Total Units: 18

Spring Semester

EGR 382 ODE/Linear Alg	3
PHY 201 Physics for Engineer 1	4
EGR 192 Engineering Seminar	1
EGR 262 Fund Bioengineering 2	3
EGR 103 Engineering Service	1
EGR 102 Intro to Engineering Design	4
EGR 305 Engineering Statistics	2

Total Units: 18

Summer Semester

GE1	3
ENG 123 Intermediate Comp	3
Science Elective	4

Total Units: 10

2nd Year

Fall Semester

EGR 306 Internship Prep	1
EGR 363 Biofluid Mechanics	3
BIO 146 General Biology I	4
EGR 231 Circuits I	4
EGR 241 Statics	3
EGR 263 Intro to 3D CAD	2

Total Units: 17

Spring Semester

EGR 462 Biomaterials I	3
EGR 365 Biomedical Research & Instr	3
EGR 304 Leadership Cohort	1
EGR 302 Engineering Design & Doc	3
EGR 242 Strength of Materials	3
EGR 182L Intro Math Engineering Lab	1
BIO 153 Anatomy & Physiology	3
BIO 153L Anatomy & Physiology Lab	1

Total Units: 18

Summer Semester

Total Units: 0

3rd Year

Fall Semester

EGR 401 Capstone Design	3
EGR 405 Internship Report	1
EGR 403 FE Exam	1
EGR 463 Biomaterials II	3
EGR 361 Biomechanics	3
Technical Elective	3
EGR 362 Engineering Physiology	2

Total Units: 16

Spring Semester

EGR 402 Capstone Design Presentation	3
EGR 364 Bioimaging	3
EGR 464 Neural Imaging	3
GE2	3
GE3	3
GE4	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