

Recommended Sequence of Courses for the 8-Semester Program (139 Credits)

Note: For the 8 complementary courses, choose 5 technical complementary courses (2 of which are Design Technical Complementary Courses), 2 Humanities/Social Sciences, and 1 Impact of Technology courses. The later 3 courses can be taken in summer to reduce course load during the year. * CIVE 432 may be taken in Semester 8 after completing a minimum of 2 technical complementary courses.

| SEMESTER 1 (15 cr) | | | SEMESTER 2 (18 cr) | | |
|--------------------|--------------------------------|------|--------------------|----------------------------------------------------|------|
| CHEM 110 | General Chemistry 1 | 4 cr | CHEM 120 | General Chemistry 2 | 4 cr |
| MATH 140 | Calculus 1 | 3 | MATH 141 | Calculus 2 | 4 |
| MATH 133 | Vectors, Matrices & Geometry | 3 | PHYS 142 | Electromagnetism & Optics | 4 |
| PHYS 131 | Mechanics & Waves | 4 | xxxx-xxx | Humanities/Social Sciences #1 | 3 |
| FACC 100 | Intro Engineering Profession | 1 | xxxx-xxx | Impact of Technology | 3 |
| SEMESTER 3 (18 cr) | | | SEMESTER 4 (17 cr) | | |
| EPSC 221 | General Geology | 3 cr | MATH 263 | Ordinary Differential Equations and Linear Algebra | |
| MATH 262 | Intermediate Calculus | 3 | CIVE 202 | Construction Materials | |
| CIVE 205 | Statics | 3 | CIVE 206 | Dynamics | |
| CIVE 290 | Thermodynamics & Heat Transfer | 3 | CIVE 207 | Solid Mechanics | |
| WCOM 206 | Communication in Engineering | 3 | COMP 208 | Computers in Engineering | |
| MECH 289 | Design Graphics | 3 | | 266aiC20 5 159.62 123.96 reW* nB | |
| | | | FACC 250 | | |