

| First Year | | | |
|--|--------------|---|------------|
| Fall | | Spring | |
| ENGR 101: Introduction to Engineering | 3 | ENGR 102 or ENGR 103 | 3 |
| MATH 150: Calculus I | 4 | PHYS 270/270L: Mechanics & Lab | 4 |
| COMP 110: Computational Problem Solving | 3.5 | MATH 151: Calculus II | 4 |
| Core Curriculum | 3 | CHEM 151/151L: General Chemistry I & Lab | 4 |
| Core Curriculum | 3 | Core Curriculum | 3 |
| Total Semester Units | | Total Semester Units | |
| | 16.5 | | 18 |
| Second Year | | | |
| Fall | | Spring | |
| ENGR 102 or ENGR 103 | 3 | GENG 250: Integrated Approach to Energy | 3 |
| MATH 310: Applied Math for Engineering | 3 | GENG 288: Integrated Approach to EE | 4 |
| PHYS 271/271L: Intro to Elec. and Magnet. & Lab | 4 | MENG 210: Statics | 3 |
| Core Curriculum | 3 | Core Curriculum | 3 |
| Core Curriculum | 3 | MATH 250: Calculus III or MATH 262: Discrete Math | 4 |
| Total Semester Units | | Total Semester Units | |
| | 16 | | 17 |
| Third Year | | | |
| Fall | | Spring | |
| GENG 311: Engineering Materials Science | 3 | GENG 360: Experimental Engineering | 3 |
| Engineering Elective (Lower or Upper Division) | 3 | GENG 380: Sustainability and Engineering | 3 |
| ISYE 330: Engineering Probability and Statistics | 3 | IPS Elective II | 3 |
| Core Curriculum | 3 | IPS Elective III | 3 |
| IPS Elective I | 3 | Core Curriculum | 3 |
| Total Semester Units | | Total Semester Units | |
| | 15 | | 15 |
| Fourth Year | | | |
| Fall | | Spring | |
| GENG 491: Engineering Senior Design I | 4 | GENG 492: Engineering Senior Design II | 3 |
| Engineering Elective (Upper Division) | 4 | Approved Engineering Class (Upper Division) I | 3 |
| IPS Elective IV | 3 | Approved Engineering Class (Upper Division) II | 3 |
| GENG 350: Engineering and Social Justice | 3 | IPS Elective V | 3 |
| Core Curriculum | 3 | Core Curriculum | 3 |
| Total Semester Units | | Total Semester Units | |
| | 17 | | 15 |
| Final Semester | | | |
| Fall | | | |
| Core Curriculum | 3 | | |
| IPS Elective VI | 3 | | |
| Math/Sci Elective (based on concentration) | 3 | | |
| Free Elective | 3-9 | | |
| Total Semester Units | | Total GENG Degree Units | |
| | 12-18 | | 147 |