

5 Chemistry 101 or 103 General Chemistry (F,S)  
 3 Engineering 101 Intro to Engineering Design (F)  
 1 Engineering 181 Graphical Communication Lab (F)  
 4 Mathematics 171 Calculus I (F,S)  
 2 *Core Foundations* *CORE 100: Community and Commitments*

3 Engineering 205 Material Science (S)  
 4 Mathematics 172 Calculus II (F,S)  
 4 Physics 133 + 133L Introductory Physics, Mechanics and Gravity (S)  
 3 *Core Foundations* *Foundations of Christianity I*  
 3 *Core Comp and Skills* *Foundational Writing*

4 Engineering 20X  
 4 Mathematics 271 Multivariable Calculus (F,S)  
 4 Physics 235 + 235L Introductory Physics: Electricity and Magnetism (F)  
 2 Computer Sci 104 + 104L Applied Computing (F) (CS 106 or 108 may be substituted but both are 4 SH)  
 2 *Core Foundations* *Foundations of Christianity II*  
 0 Engineering 295 Internship Workshop  
 2 Interdisciplinary 184 Intro to Sustainability Challenges (F,S) (ES tag, required for Sustainability Designation)

4 Engineering 20X  
 4 Engineering 20X  
 4 Mathematics 231 Differential Equations with Linear Algebra (F,S)  
 2 *Core Knowledge and Understanding (see Core Options sheet)*  
 2 *Interdisciplinary 102* *Oral Rhetoric for Engineers*  
 2 *Statistics 241* *Engineering Statistics (S)*  
 0 Engineering 294 Engineering Seminar (does not require registration in advance)

4 Engineering 305 Mechanics of Materials (F)  
 4 Engineering 306 Environmental Engineering (F) - ES tag  
 4 Engineering 320 Hydraulic Engineering (F)  
 2 *Economics (2 SH min)* *ECON 191 (2) or 233 (4, ES tag) - ECON 221, 222, or 232 can be added or substituted*  
 2 *Core Knowledge and Understanding (see Core Options sheet)*  
 1 *Core Comp and Skills* *Health and Movement*

4 Engineering 308 Environmental Engineering Design (S)  
 4 Engineering 321 Hydraulic Engineering Design (S)  
 4 Engineering 326 Structural Analysis (S)  
 4 *Engineering Elective*  
 1 Engineering 384 Sustainability Analysis (S) (Required for students seeking Sustainability Designation)

Internship Experience (ENGR 385 Optional)

4 Engineering 327 Structural Design (S) (Required for students seeking Sustainability Designation)