

4 Chemistry 101 + 101L General Chemistry I (F,S)  
 4 Engineering 101 + 101L Intro to Engineering Design (F)  
 4 Mathematics 171 Calculus I (F,S)  
 2 *Core Foundations* *CORE 100: Community and Commitments*  
 2 *Interdisciplinary 102* *Oral Rhetoric for Engineers* (or IDIS 184)

4 Engineering 205 Principles of Materials Science (S)  
 4 Mathematics 172 Calculus II (F,S)  
 4 Physics 133 + 133L Introductory Physics: Mechanics and Gravity (S)  
 4 *Core Comp and Skills* *Foundational Writing (ENGL 101)*  
 1 *Core Comp and Skills* *Health and Movement (Personal Fitness)*

4 Engineering 20X  
 4 Mathematics 271 Multivariable Calculus (F,S)  
 4 Physics 235 + 235L Introductory Physics: Electricity and Magnetism (F)  
 2 Comp Sci 104 + 104L Applied Computing (F) (CS 106 or 108 may be substituted but each is 4 SH)  
 4 *Core Foundations* *Foundations of Christianity I*  
 0 Engineering 295 Internship Workshop (F, S)

4 Engineering 20X  
 4 Engineering 20X  
 4 Mathematics 231 Differential Equations with Linear Algebra (F,S)  
 2 *Statistics 241* *Engineering Statistics (S)*  
 2 *Core Foundations* *Foundations of Christianity II*  
 0 Engineering 294 Engineering Seminar (does not require registration in advance)

4 Engineering 305 Mechanics of Materials (F)  
 4 Engineering 306 Environmental Engineering (F)  
 4 Engineering 319 Introduction to Thermal/Fluid Sciences (F)  
     or Engineering 303 Chemical Engineering Principles and Thermodynamics (F)  
 2 Interdisciplinary 184 Sustainability Challenges  
 4 *Economics 233* *The Economics of Energy and Sustainability (F) (ES tag)*

4 Engineering 308 Environmental Engineering Design (S)  
 4 Engineering 328 Intermediate Thermal/Fluid Sciences & Design (S)  
     or Engineering 312 Chemical Engineering Thermodynamics (S)  
 4 *Engineering Elective* *One of ENGR 315 (F), ENGR 318 (S), ENGR 321 (S), or ENGR 342 (S)*  
     or Engineering 330 Fluid Dynamics and Heat Transfer (S)  
 4 *Core Knowledge and Understanding (see Core Options sheet) - D&D or GR&C tag*  
 1 *Core Comp and Skills* *Health and Movement (Leisure, Sport, and Skills)*

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