

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	<i>Core Foundations</i>	<i>CORE 100: Community and Commitments</i>
2	<i>Interdisciplinary 102</i>	<i>Oral Rhetoric for Engineers</i> (or CS 104)

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	<i>Core Comp and Skills</i>	<i>Foundational Writing (ENGL 101)</i>
1	<i>Core Comp and Skills</i>	<i>Health and Movement (Personal Fitness)</i>

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 both are 4 SH)
2	<i>Core Knowledge and Understanding (see Core Options sheet) - tagged</i>	
0	Engineering 295	Internship Workshop
2	Interdisciplinary 184	Intro to Sustainability Challenges (F) (ES Tag, required for Sustainability Designation)

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

4	Engineering 305	Mechanics of Materials (F)
4	Engineering 319	Intro. To Thermal/Fluid Sciences (F)
4	Elective: <b>Basic Science</b> or <b>Advanced Math</b> (2 SH minimum)	
2	<i>Core Foundations</i>	<i>Foundations of Christianity II</i>
2	<i>Economics (2 SH min)</i>	<i>ECON 191 (2) or 233 (4, ES tag) - ECON 221, 222, or 232 can be added or substituted</i>

4	Engineering 322	Machine Design with Finite Element Analysis (S)
4	Engineering 328	Intermediate Thermal/Fluid Sciences & Design (S)
4	Engineering 334 + 334L	Dynamics of Machinery and Instrumentation (S)
4	<i>Core Knowledge and Understanding (see Core Options sheet) - tagged</i>	
1	<i>Core Comp and Skills</i>	<i>Health and Movement (Leisure, Sport, and Skills)</i>

Internship Experience (ENGR 385 Optional)

4	Engineering 333	Thermal Systems Designs (F)
2	Engineering 339	Senior Project (F)
4	Engineering Elective	ENGR 314, 315, or 342
4	Elective: <b>Basic Science</b> , <b>Advanced Math</b> , <b>Engineering</b> , or <b>Technical</b>	
2	Business 357	Business Aspects for Engineers (F)
1	Interdisciplinary 384	Sustainability Experience (F,S) (Required for students seeking Sustainability Designation)

4	Engineering 324 + 324L	
---	------------------------	--