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Engineering Program

Year 1

Fall Semester

Course	Credits
EGR 101 - Introduction to Engineering	1
PHY 131 - General Physics 1*	4
PHY 151L - Physics Lab 1*	1
MTH 141 - Calculus I*	4
ENG 111 - College Composition	3
FYE 100 - First Year Experience*	3
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	16

Spring Semester

Course	Credits
EGR 102-Intro. to Eng. Design & Analysis	2
MTH 142 - Calculus II*	4
PHY 132- General Physics 2*	4
PHY 152L - Physics Lab 2*	1
EGR 103 - Engineering Graphics	1
HPE*	1
ENG 131- Exposition & Argument*	<u> 3 </u>
	16

Year 2

Fall Semester

EGR 200 - Statics & Dynamics	4
CSC 212 - Programming for Sci & Eng	3
MTH 243 - Calculus III	4
CHM 111 - General Chemistry 1*	4
EGR 202 - Creativity & Design Thinking	<u> 2 </u>
	17

Spring Semester

EGR 201 - Mechanics of Materials	4
MTH 245 - Differential Equations	4
EGR 203 - Thermo. & Fluid Mech. I	4
CHM 112 - General Chemistry 2	4
CHM 115 - General Chemistry Lab	<u> 1 </u>
	17

Year 3

Fall Semester

EGR 304 - Experimental Engineering*	3
BUS 340 - Biomimicry*	3
MTH 235 - Probability & Statistics	3
EGR 301 - Engineering Materials & Manufacturing	4
EGR 300- Electronics, Circuits, & Devices	<u> 3 </u>
	16

Spring Semester

EGR 305 Global Eng. Experience*	3
EGR 306 Product Design & Entrepr.	3
Technical Elective - Engineering	3
Humanities - Fine Arts*	3
EGR 303 - Sensors & Controls	3
HPE	<u> 1 </u>
	16

Notes

*The asterisk represents all courses that count towards or meet the core requirements

Year 4

Fall Semester

EGR 464 - Capstone Design I	2
ECN 288 – Engineering Economics*	3
Social Science *	3
Technical Elective - Engineering	3
Humanities -Fine Arts*	3
EGR 463 - Engineering Seminar	<u>1</u>
	15

Spring Semester

EGR 465- Capstone Design II	3
Free Elective	3
Humanities - Cultural Literacy*	3
Humanities - General Humanities*	3
Diversity Studies*	3
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	15

Notes

*The asterisk represents all courses that count towards or meet the core requirements