

Computer Engineering Emphasis Outline

Fall Semester

Freshman

ENGR120	Intro to Engineering & Design	2
ENGR125	Engineering Graphics	3
Math191	Calculus I	4
HLED120/FT	Fit for Life/Fitness Activity	1
ENGL115	College Writing I	3
GEN Ed	History/Social Science	3
		16

Spring Semester

ENGR180	Material Science	4
MATH192	Calculus II	4
ENGR185	Engineering Statics	3
COMM104	Communication Skills	3
RELT100	God & Human Life	3
		17

Sophomore

ENGR225	Circuit Analysis	3
PHYS241	Physics for Scientists I	5
MATH240	Calculus III	4
CPTR151	Computer Science I	3
FTES	Physical Fitness Activity	1
		16

ENGR285	Engineering Dynamics	3
MATH286	Differential equations	3
CPTR152	Computer Science II	3
PHYS242/27	Physics for Scientists II	5
ENGR275	Electronics I	3
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Junior

MATH315	Linear Algebra	3
ENGL215	College Writing II	3
CPTR276	Data Structures	3
ENGR325	Electronic II	4
ENGR450	Engineering Economy	2
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ENGR310	Linear Systems Analysis	3
STAT340	Probability and Statistics	3
ENGR385	Microprocessor Systems	4
ENGR3yy	Critical Thinking	3
GEN ED	Religion (RELG, RELB, RELT)	3
		16

Senior

ENGR491	Review of Engineering Design	1
ENGR4xx	Digital Interfacing	4
CPTR	Upper Division Elective	3
GEN ED	Religion (RELB, RELG, RELT)	3
GEN ED	Arts/Humanities	3
		14

ENGR492	Senior Design Project	3
CPTR	Upper Division Elective	3
GEN ED	Religion (RELG, RELB, RELT)	3
Gen ED	Social Sciences	3
ENGR485	Community Service	2
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Offered every other year*

Suggested 4-year course outline per Bulletin 2019-2020

Total Credits for Graduation

125