

COMPUTER ENGINEERING

Sample Graduation Plan - Effective Fall 2015

FIRST YEAR

Fall Semester

Course	Title	Cr
CHEM135	Gen Chemistry for Engineers	3
CMSC131	Object Oriented Programming I	4
ENEE101*	Introduction to ECE	3
MATH140	Calculus I	4
ENGL101	Introduction to Writing	3
Total Credits		17

Spring Semester

Course	Title	Cr
ENES100*	Introduction to Engineering Design	3
CMSC132	Object Oriented Programming II	4
PHYS161	General Physics I	3
MATH141	Calculus II	4
Gen Ed	Oral Communication	3
Total Credits		17

SECOND YEAR

Fall Semester

Course	Title	Cr
ENEE244	Digital Logic Design	3
MATH246	Differential Equations	3
PHYS260/1	General Physics II	4
ENEE222	Elements of Discrete Signal Analysis	4
CMSC250	Discrete Structures	4
Total Credits		18

Spring Semester

Course	Title	Cr
CpE Elec	Category A: Math/Science Elective	3
ENEE205	Electric Circuits	4
CMSC216	Introduction to Computer Systems	4
ENEE245	Digital Circuits & Systems Lab	2
Gen Ed**	General Education Requirement	3
Total Credits		16

THIRD YEAR

Fall Semester

Course	Title	Cr
ENEE303	Analog & Digital Electronics	3
ENEE322	Signals & Systems Theory	3
ENEE350	Computer Organization	3
CMSC330	Organization of Programming Languages	3
Gen Ed**	General Education Requirement	3
Total Credits		15

Spring Semester

Course	Title	Cr
ENEE307	Electric Circuits Design Lab	2
ENEE324	Engineering Probability	3
ENEE446	Digital Computer Design	3
CMSC351	Algorithms	3
Gen Ed**	General Education Requirement	3
Gen Ed**	General Education Requirement	3
Total Credits		17

FOURTH YEAR

Fall Semester

Course	Title	Cr
CpE Elec	Category F: General Technical Elective	3
CMSC4xx	Category B: Comp. Sci. Advanced Theory	3
ENEE4xx	Category C: ENEE Advanced Theory	3
ENEE4xx	Category E: Capstone Design Course	3
Gen Ed**	General Education Requirement	3
Total Credits		15

Spring Semester

Course	Title	Cr
CMSC/ENEE	Operating Systems (CMSC412 or ENEE447)	4
ENEE4xx	Category D: Advanced Laboratory	2
CpE Elec	Category A: Math/Science Elective	3
CpE Elec	Computer Engineering Elective	3
ENGL393	Technical Writing	3
Total Credits		15

* ENEE101 and ENES100 cannot be taken in the same semester. Students may take these courses consecutively within their first year in the order of choice.

**Sample plan assumes that the student will complete Distributive Studies requirement by combining I-Series and Diversity requirements – triple counting some requirements.