

# COMPUTER ENGINEERING

## Sample Graduation Plan

<b>FIRST YEAR</b>		<b>Semester</b>	
		<b>I</b>	<b>II</b>
CHEM 135	General Chemistry	3	
PHYS 161	General Physics		3
MATH 140, 141	Calculus I, II	4	4
CMSC 132*	Object Oriented Programming II		4
ENES 100	Introduction to Engineering Design	3	
ENGL 101	Introduction to Writing	3	
CORE†	General Education Courses		3
Total Credits		13	14
<b>SOPHOMORE YEAR</b>			
MATH 246	Differential Equations		3
CMSC 212	Intro. to Low-Level Programming Concepts	4	
CMSC 250	Discrete Structure	4	
CMSC 330	Organization of Programming Languages		3
PHYS 260/261	General Physics	4	
ENEE 241	Numerical Techniques		3
ENEE 204	Basic Circuit Theory		3
ENEE 206	Fundamental Electrical & Digital Circuits Lab		2
ENEE 244	Digital Logic Design	3	
ENEE 200☼	Social & Ethical Dimensions of ECE Technology		3
Total Credits		15	17
<b>JUNIOR YEAR</b>			
CMSC 351	Algorithms	3	
CMSC 412	Operating Systems		4
ENEE 303	Analog and Digital Electronics	3	
ENEE 307	Electronics Circuits Design Lab	2	
ENEE 322	Signal and System Theory	3	
ENEE 324	Engineering Probability		3
ENEE 350	Computer Organization	3	
ENEE 446	Computer Design		3
CORE†	General Education	3	3
Total Credits		17	13
<b>SENIOR YEAR</b>			
Technical Electives	Upper-Level Computer Engineering Tech Electives	12	10
ENGL393	Junior English		3
CORE†	General Education	3	3
Total Credits		15	16

† The minimum number of credits required to earn a degree is 120 credits.

\* Students may need complete CMSC131 or pass the exemption exam before taking CMSC132.

‡ NOTE: Schedule assumes one CORE class satisfies the CORE Cultural Diversity requirement.

☼ Schedule assumes ENEE200 used as a CORE IE to satisfy distributive studies requirements.