

<b>COMPUTER ENGINEERING</b>										2018-2019					
Cr. Hrs.	SEM 1	Cr. Hrs.	SEM 2	Cr. Hrs.	SEM 3	Cr. Hrs.	SEM 4	Cr. Hrs.	SEM 5	Cr. Hrs.	SEM 6	Cr. Hrs.	SEM 7	Cr. Hrs.	SEM 8
4	<b>MATH 1220 or 1700 Calculus I</b>	4	<b>MATH 1230 or 1710 Calculus II</b>	4	<b>MATH 2720 Multi-Variable Calculus</b>	3	<b>MATH 1450 Discrete Math Structures</b>	4	<b>ECE 2210 Electronics I (L)</b>	3	<b>ECE 3710 Linear Systems</b>	2	<b>ECE 4810 Electrical Design I</b>	3	<b>ECE 4820 Electrical Design II</b>
	MATH 1180 ≥ C or placement		MATH 1220 or 1700 ≥ C		MATH 1230 or 1710 ≥ C		MATH 1220 or 1700 ≥ C <b>Intro. programming course</b>		ECE 2100 ≥ C PHYS 2070 ≥ C PHYS 2080 ≥ C		ECE 3100 ≥ C		IEE 3160 ≥ C ECE 2510 ≥ C ECE 4525 ≥ C and ECE 4510 ≥ C or con.		ECE 4810 ≥ C
3+1	<b>CHEM 1100/1110 Chemistry I (L)</b>	4+1	<b>PHYS 2050/2060 University Physics I (L)</b>	4+1	<b>PHYS 2070/2080 University Physics II (L)</b>	4	<b>MATH 3740 Differential Equations</b>	3	<b>ECE 3100 Network Analysis</b>	3	<b>ECE 3800 Signal &amp; System Analysis</b>	3	<b>ENGINEERING SCIENCE ELECTIVE**</b>	3	<b>COMPUTER SCIENCE ELECTIVE**</b>
	MATH 1110 ≥ C or placement		MATH 1220 or 1700 ≥ C MATH 1710 or 1230 ≥ C or con.		PHYS 2050 ≥ C MATH 1230 or 1710 ≥ C MATH 2720 ≥ C or con.		MATH 2720 ≥ C		ECE 2100 ≥ C MATH 3740 ≥ C		ECE 3100 ≥ C				
3	<b>ECE 2500 Digital Logic (L)</b>	4	<b>CS 1110 Computer Science I (L)</b>	4	<b>CS 1120 Computer Science II (L)</b>	4	<b>ECE 2100 Circuit Analysis (L)</b>	3	<b>CS 3310 Data &amp; File Structures</b>	4	<b>ECE 4510 Microcontroller Applications (Sp)</b>	3	<b>ECE/CS ELECTIVE**</b>	3	<b>ECE/CS ELECTIVE**</b>
	MATH 1110 ≥ C		MATH 1180 or taking concurrently		CS 1110 ≥ C MATH 1220 or 1700 ≥ C		MATH 1230 or 1710 ≥ C PHYS 2070 ≥ C or con.		CS 1120 ≥ C MATH 1450 ≥ C		ECE 2210 ≥ C ECE 2510 ≥ C				
3	<b>IEE 1020 Technical Communication</b>	3	<b>GEN ED I* Fine Arts</b>	4	<b>ECE 2510 Intro to Microprocessors I (L)</b>	3	<b>ECE 3570 Computer Architecture (Sp)</b>	4	<b>ECE 4525 Digital Design (F) (L)</b>	3	<b>IEE 3160 Report Preparation</b>	3	<b>ECE/CS ELECTIVE**</b>	3	<b>ECE/CS ELECTIVE**</b>
	ENGL 1000 ≥ C or placement				ECE 2500 ≥ C CS 1110 ≥ C		CS 2230 ≥ C or ECE 2510 ≥ C		ECE 2500 ≥ C		IEE 1020 Junior Standing				
2	<b>GEN ED VIII* Health and Well-Being</b>					3	<b>GEN ED II* Humanities</b>	3	<b>IEE 3100 Engineering Economy</b>	3	<b>GEN ED III* U.S. Cultures &amp; Issues</b>	3	<b>GEN ED IV* Other Cultures and Civilizations</b>	3	<b>GEN ED V* Social &amp; Behavioral Sciences</b>
									MATH 1230 Junior Standing						
	16 hours		16 hours		17 hours		17 hours		17 hours		16 hours		14 hours		15 hours
															<i>128 total hours</i>

NOTE: Prerequisite courses are shown in smaller print.

\* See your academic advisor for general education requirements.

\*\* Please see your advisor for a list of approved electives.

46 Cr. Pre-Engineering Req.

53 Cr. CE Req.

11 Cr. Gen Ed Req.

12 Cr. ECE Elective Req.

3 Cr. Eng. Sci. Elective Req.

3 Cr. CS Elective Req.

A 'C' or better is required for admission to upper level CEAS courses