

COMPUTER ENGINEERING								2019-2020							
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	MATH 1220 or 1700 Calculus I	4	MATH 1230 or 1710 Calculus II	4	MATH 2720 Multi-Variable Calculus	3	MATH 1450 Discrete Math Structures	4	ECE 2210 Electronics I (L)	3	ECE 3710 Linear Systems	2	ECE 4810 Electrical Design I	3	ECE 4820 Electrical Design II
	MATH 1180 ≥ C or placement		MATH 1220 or 1700 ≥ C		MATH 1230 or 1710 ≥ C		MATH 1220 or 1700 ≥ C Intro. programming course		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	CHEM 1100/1110 Chemistry I (L)	4+ 1	PHYS 2050/2060 University Physics I (L)	4+ 1	PHYS 2070/2080 University Physics II (L)	4	MATH 3740 Differential Equations	3	ECE 3100 Network Analysis	3	ECE 3800 Signal & System Analysis	3	ENGINEERING SCIENCE ELECTIVE**	3	COMPUTER SCIENCE ELECTIVE**
	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	ECE 2500 Digital Logic (L)	4	CS 1110 Computer Science I (L)	4	CS 1120 Computer Science II (L)	4	ECE 2100 Circuit Analysis (L)	3	CS 3310 Data & File Structures	4	ECE 4510 Microcontroller Applications (Sp)	3	ECE/CS ELECTIVE**	3	ECE/CS ELECTIVE**
	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	IEE 1020 Technical Communication	3	GEN ED I* Fine Arts	4	ECE 2510 Intro to Microprocessors I (L)	3	ECE 3570 Computer Architecture (Sp)	4	ECE 4525 Digital Design (F) (L)	3	IEE 3160 Report Preparation	3	ECE/CS ELECTIVE**	3	ECE/CS ELECTIVE**
	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	GEN ED VIII* Health and Well-Being					3	GEN ED II* Humanities	3	IEE 3100 Engineering Economy	3	GEN ED III* U.S. Cultures & Issues	3	GEN ED IV* Other Cultures and Civilizations	3	GEN ED V* Social & Behavioral Sciences
									MATH 1230 Junior Standing						
	16 hours		16 hours		17 hours		17 hours		17 hours		16 hours		14 hours		15 hours
															128 total hours

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