

## BS-COMPUTER ENGINEERING

2018-2019

Year 1	Semester 1 Fall	Semester 2 Spring	Summer	Total
	CSCI 1320 Programming with C 3	CSCI 1370 Software Development with Java 3	CORE Language, Philosophy & Culture 3	
	HIST 1301 or POLS 2305 US History I or Federal Government 3	HIST 1302 or POLS 2306 US History II or Texas Government 3	CORE Social Behavioral Science 3	
	MATH 2413 Calculus I 4	COMM 1315 Public Speaking 4		
	WRIT 1301 Composition I 3	MATH 2414 Calculus II 3		
	PSYC 1100 Learning Frameworks 1	WRIT 1302 Composition II 3		
	Semester Hours 14	16	6	36
Year 2	Semester 1 Fall	Semester 2 Spring	Summer	Total
	CSCI 2315 Data Structures 3	CENG 3312 & CENG 3112 Digital Circuits & Lab 4	MATH 2320 Differential Equations 3	
	HIST 1301 or POLS 2305 US History I or Federal Government 3	CHEM 1311 & CHEM 1111 General Chemistry I & Lab I 4		
	MATH 2305 Discrete Mathematics 3	HIST 1302 or POLS 2306 US History II or Texas Government 3		
	MATH 2315 Calculus III 3	PHYS 2326 & PHYS 2126 University Physics II & Lab II 4		
	PHYS 2325 & PHYS 2125 University Physics I & Lab I 4			
	Semester Hours 16	15	3	34

Year 3	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	CENG 3264 Engineering Design & Project Management	2	CENG 3316/3116 Electronics and Lab	4		
	CENG 3313 & CENG 3113 Linear Circuits & Lab	4	CENG 3331 + CENG 3131 Introduction to Telecommunications & Networks & Lab	3		
	CENG 3351 & CENG 3151 Computer Architecture & Lab	4	CENG 3371 Microcontroller Programming	3		
	MATH 2318 Linear Algebra	3	CENG 4354 Digital System Design	3		
	WRIT 3315 Technical Writing	3	STAT 3334 Probability & Statistics for Scientists & Engineers	3		
	Semester Hours	16		17	0	33
Year 4	Semester 1 Fall	Semester 2 Spring	Summer	Total		
	CENG 4265 Senior Project	2	CENG 4266 Senior Project II	2		
	CENG 4313 & CENG 4113 Microprocessor Interfacing & Lab	4	CORE Creative Arts	3		
	CENG 4331 Analysis & Design of Linear Systems	3	SENG 4310 Introduction to Systems Engineering	3		
	SWEN 4342 Software Engineering	3	3000-4000 Approved Computer Engineering/Computer Science elective *	3		
	3000-4000 Approved Computer Engineering/Computer Science elective *	3	3000-4000 Approved Computer Engineering/Computer Science elective *	3		
	Semester Hours	15		14	0	29
	Total Plan Hours					132

\* Choose from CENG 3315/3115, CENG 4311, CENG 4321 or CSCI 4312 or other faculty approved elective

- State of Texas Core Curriculum Course. Please refer to the 2016-2017 UHCL Undergraduate Catalog ([www.uhcl.edu/catalog](http://www.uhcl.edu/catalog)) for approved options.
- This document is only intended as a guide. Please see an academic advisor for assistance with academic planning.

