

Computer Science, B.S.

Accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org/>

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
CHEM 1311 & CHEM 1111	General Chemistry I and General Chemistry I Lab	4
CSEN 2304	Introduction to Computer Science	3
Rhetoric & Composition		3
MATH 2413	Calculus I	4
GEEN 1201	Engineering as a Career	2
Semester Credit Hours		16
Semester 2		
CSEN 2306	Object-Oriented Programming	3
Rhetoric & Composition		3
American History		3
MATH 2414	Calculus II	4
Semester Credit Hours		13
Sophomore Year		
Semester 1		
MATH 3370	Discrete Mathematics	3
American History		3
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
Government/Political Science		3
Lang/Phil/Culture		3
Semester Credit Hours		16
Semester 2		
CSEN 2328	Data Structures & Algorithms	3
MATH 3320	Differential Equations	3
Government/Political Science		3
Creative Arts		3
EEEN 2340	Digital Logic Design	3
Free Elective		1
Semester Credit Hours		16
Junior Year		
Semester 1		
CSEN 3315	Computer Graphics	3
EEEN 3449	Microprocessor Systems	4
MATH 1342	Elementary Statistical Methods	3
Communication		3
Social/Behavioral		3
Semester Credit Hours		16
Semester 2		
CSEN 3314	Database Systems	3
CSEN 3316	Software Engineering I	3
CSEN 4362	Operating Systems	3
EEEN 4344	Computr Architectr and Design	3

Approved Elective ¹		3
Semester Credit Hours		15
Senior Year		
Semester 1		
CSEN 4201	Software Eng Project	2
CSEN 4317	Software Engineering II	3
CSEN 4320	Computer Networks	3
Approved Elective ¹		3
Approved Elective ¹		3
Semester Credit Hours		14
Semester 2		
CSEN 4202	Software Eng Project (WI)	2
CSEN 4340	Computer Security	3
CSEN 4366	Programming Languages	3
Approved Elective ¹		3
Approved Elective ¹		3
Semester Credit Hours		14
Total Credit Hours Required:		120

¹ List of Approved Electives:

Code	Title	Semester Credit Hours
CSEN 3330	Android Mobile App Dev	
CSEN 3331	iOS Mobile App Dev	
CSEN 4335	Selected Topics	
CSEN 4336	Special Problems	
CSEN 4360	Cloud Computing	
CSEN 4367	Data Mining	
CSEN 4370	Cyber Intelligence	
CSEN 4372	Cyber Security	
CSEN 4375	Machine Learning	
CSEN 4380	Artificial Intelligence	
CSEN 4385	Digital Forensics	