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	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
CSEN 2304	Introd to Computer Science	3
ENGL 1301	Rhetoric and Composition	3
MATH 2413	Calculus I	4
GEEN 1201	Engineering as a Career [1]	2
	Semester Credit Hours	**16**
Semester 2		
CSEN 2306	Object-Oriented Programming	3
ENGL 1302	Rhetoric and Composition	3
HIST 1301	American History to 1877	3
MATH 2414	Calculus II	4
	Semester Credit Hours	**13**
Sophomore Year		
Semester 1		
CSEN 2310	Objt Oriented Software Enginrg	3
HIST 1302	American History since 1877	3
MATH 3320	Differential Equations	3
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
POLS 2301	Government and Politics of US	3
	Semester Credit Hours	**16**
Semester 2		
CSEN 2328	Data Structures & Algorithms	3
POLS 2302	Government and Politics of TX	3
Creative arts		3
Lang/Phil/Culture		3
Approved Elective [3]		3
Free Elective		1
	Semester Credit Hours	**16**
Junior Year		
Semester 1		
CSEN 3315	Computer Graphics	3
EEEN 2340	Digital Logic Design	3
STAT 1342	Elementary Statistics	3
Communications [2]		3
Social/Behavioral		3
	Semester Credit Hours	**15**
Semester 2		
CSEN 3314	Database Systems	3
CSEN 3316	Software Engineering I	3
EEEN 3449	Microprocessor Systems	4
MATH 3370	Discrete Mathematics	3

Approved Elective [3]		3
	Semester Credit Hours	**16**
Senior Year		
Semester 1		
CSEN 4201	Software Engineering Project	2
CSEN 4317	Software Engineering II	3
CSEN 4320	Computer Networks	3
EEEN 4344	Computer Architectr and Design	3
Approved Elective [3]		3
	Semester Credit Hours	**14**
Semester 2		
CSEN 4202	Software Engineering Proj (WI)	2
CSEN 4340	Computer Security	3
CSEN 4362	Operating Systems	3
CSEN 4366	Programming Languages	3
Approved Elective [3]		3
	Semester Credit Hours	**14**
	Total Credit Hours Required:	**120**

[1]   Pre-Engineering Students and Alternate Pre-Engineering students are required to take UNIV 1201 instead ofGEEN 1201.

[2]   COMS 2374 or ENGL 2374 is strongly recommended.

[3]   The approved electives must be selected with the consent of the student's adviser, and would normally be more advanced courses in computer science, information systems, mathematics, statistics or one of the sciences taken in the freshman and sophomore years. However, a meaningful sequence of courses in any discipline, such as engineering or agriculture, may be taken with the consent of the student's adviser, except that all such courses must be at the 2000-level or above.