

Computer Engineering, B.S.

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		
EEEN 2340	Digital Logic Design	3
Rhetoric & Composition		3
MATH 2414	Calculus II	4
PHYS 2325 & PHYS 2125	University Physics I and University Physics I Lab	4
Semester Credit Hours		14
Sophomore Year		
Semester 1		
EEEN 3449	Microprocessor Systems	4
MATH 3320	Differential Equations	3
PHYS 2326 & PHYS 2126	University Physics II and University Physics II Lab	4
Government/Political Science		3
Communication		3
Semester Credit Hours		17
Semester 2		
CSEN 2328	Data Structures & Algorithms	3
EEEN 2323	Network Analysis I	3
MATH 3370	Discrete Mathematics	3
Government/Political Science		3
Lang/Phil/Culture		3
Semester Credit Hours		15
Junior Year		
Semester 1		
EEEN 3212	Circuits and Electronics Lab	2
EEEN 3321	Network Analysis II	3
EEEN 3325	Electronics I	3
EEEN 3334	Random Signals	3
EEEN 4344	Computr Architectr and Design	3
Semester Credit Hours		14
Semester 2		
CSEN 4362	Operating Systems	3
EEEN 4355	Digital Systems Engineering	3
MATH 3415	Calculus III	4
CSEN Elective ¹		3
Creative Arts		3
Semester Credit Hours		16

Senior Year**Semester 1**

CSEN 4201 or EEEN 4252	Software Eng Project or Advanced Laboratory	2
CSEN 4320	Computer Networks	3
American History		3
Approved Elective ²		3
Social/Behavioral ³		3
Semester Credit Hours		14

Semester 2

CSEN 4202 or EEEN 4224	Software Eng Project (WI) or Elec & Comp Eng Proj Lab (WI)	2
American History		3
EEEN 4358	Embedded Systems	3
EECS Elective ⁴		3
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Semester Credit Hours		14
Total Credit Hours Required:		120

¹ Approved upper level CSEN elective must be chosen to satisfy a professional objective and must be chosen with the consent of the academic advisor or the department chair.

² CEEN 3317 or Approved CSEN or EEEN elective must be chosen to satisfy a professional objective and must be chosen with the consent of the academic advisor or the department chair.

³ ECON 2301 or ECON 2302 is strongly recommended.

⁴ Approved CSEN or EEEN elective must be chose to satisfy a professional objective and must be chosen with the consent of the academic advisor or the department chair.