

Computer Engineering, B.S.

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		
EEEN 2340	Digital Logic Design	3
ENGL 1302	Rhetoric and 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
POLS 2301	Government and Politics of US	3
Communications ²		3
Semester Credit Hours		17
Semester 2		
CSEN 2328	Data Structures & Algorithms	3
EEEN 2323	Network Analysis I	3
MATH 3370	Discrete Mathematics	3
POLS 2302	Government and Politics of TX	3
Lang/Phil/Culture		3
Semester Credit Hours		15
Junior Year		
Semester 1		
EEEN 3321	Network Analysis II	3
EEEN 3325	Electronics I	3
EEEN 3334	Random Signals	3
EEEN 4344	Computer Architectr and Design	3
MATH 3415	Calculus III	4
Semester Credit Hours		16
Semester 2		
CSEN 4362	Operating Systems	3
EEEN 3212	Circuits and Electronics Lab	2
EEEN 4355	Digital Systems Engineering	3
Social/Behavioral ³		3
Creative arts		3
Semester Credit Hours		14

Senior Year**Semester 1**

CSEN 4201 or EEEN 4252	Software Engineering Project or Advanced Laboratory	2
CSEN 4320	Computer Networks	3
HIST 1301	American History to 1877	3
Approved Elective ⁶		3
CSEN Elective ⁵		3
Semester Credit Hours		14

Semester 2

CSEN 4202 or EEEN 4224	Software Engineering Proj (WI) or Elec & Compu Eng Proj Lab (WI)	2
HIST 1302	American History since 1877	3
EEEN 4358	Embedded Systems	3
EECS Elective ⁴		3
EECS Elective ⁴		3
Semester Credit Hours		14
Total Credit Hours Required:		120

All general education elective courses must be chosen from the approved elective list, after discussion with the academic advisor.

- ¹ Pre-Engineering Students and Alternate Pre-Engineering students are required to take UNIV 1201 instead of GEEN 1201.
- ² COMS 2374 or ENGL 2374 is strongly recommended.
- ³ ECON 2301 or ECON 2302 is strongly recommended.
- ⁴ 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.
- ⁵ 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.
- ⁶ 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.