Computer Science & Engineering

Catalog Year 2024-2025

Note: This is a recommended sequence and shifts are likely to occur due to prerequisite completion and course availability.

Semester One	Semester Two
CSE 1010: Intro to Computing for Engineers (3 credits)	CSE 2050: Data Structures & O.O. Design (3 credits)
MATH 1131Q: Calculus I (4 credits)	MATH 1132Q: Calculus II (4 credits)
CHEM 1127Q: General Chemistry I (4 credits)	PHYS 1501Q: Physics for Engineers I (4 credits)
ENGL 1007: Writing and Composition (4 credits)	Gen Ed (3 credits)
	Gen Ed (3 credits)
15 credits	**17 credits**

Semester Three	Semester Four
CSE 2301: Prin. & Prac. Of Digital Logic Des. (4 credits)	CSE 3100: Systems Programming (3 credits)
CSE 2500: Intro to Discrete Systems (3 credits)	CSE 3140: Cybersecurity Lab (2 credits)
MATH 2110Q: Multivariable Calculus (4 credits)	CSE 3500: Algorithms and Complexity (3 credits)
PHYS 1502Q: Physics for Engineers II (4 credits)	MATH 2410Q: Elem. Differential Equations (3 credits)
	PHIL 1104: Philosophy & Social Ethics (CA 1) (3 credits)
	Gen Ed (3 credits)
15 credits	**17 credits**

Semester Five	Semester Six
CSE 3000: Contemporary Issues in CSE (1 credit)	CSE 3504: Prob. Perf. Analy. Of Comp. Sys. (3 credits)
CSE 3150: C++ Essen. **or** CSE 3160: Funct. Prog. Fund. (3 credits)	CSE Concentration Course (3 credits)
CSE 3666: Intro to Computer Architecture (3 credits)	ECE 2001: Electrical Circuits (4 credits)
Probability and Statistics Course (3 credits)	MATH 2210Q: Applied Linear Algebra (3 credits)
Gen Ed (3 credits)	Free Elective (3 credits)
Free Elective (3 credits)	
16 credits	**16 credits**

Semester Seven	Semester Eight
CSE 4939W: CSE Design Project I (3 credits)	CSE 4940: CSE Design Project II (3 credits)
CSE Concentration Course (3 credits)	CSE Concentration Course (3 credits)
CSE Concentration Course (3 credits)	CSE Elective (3 credits)
Free Elective (3 credits)	Gen Ed/Free Elective (3 credits)
Free Elective (3 credits)	Free Elective* (3 credits)
15 credits	**15 credits**

*as needed to reach total degree credits
See reverse for important general education and major specific information.

Total Credits: 126