Computer Science & Engineering

Catalog Year 2025-2026

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) (TOI 6)	PHYS 1501Q: Physics for Engineers I (4 credits)(TOI 6)
ENGR 1000: Orientation to Engineering (1 credit)	ENGL 1007: Writing and Composition (4 credits)
ENGR 1195: AI4All (2 credits)	TOI Course (3 credits)
14 credits	**18 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)(TOI 6)	MATH 2410Q: Elem. Differential Equations (3 credits)
	TOI Course (3 credits)
	TOI Course (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 Elective **or** 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)
TOI Course (3 credits)	Free Elective (3 credits)
TOI Course (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 Elective **or** Concentration Course (3 credits)	CSE Elective **or** Concentration Course (3 credits)
CSE Elective **or** Concentration Course (3 credits)	CSE Elective (3 credits)
Free Elective (3 credits)	Free Elective (3 credits)
Free Elective (3 credits)	Free Elective* (3 credits)
15 credits	**15 credits**

*as needed to reach total degree credits

Total Credits: 126