Computer Science (BS)
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)
Lab Science (4 credits)	Lab Science (4 credits)
Gen Ed (3 credits)	ENGL 1007: Writing & Composition (4 credits)
14 credits	**15 credits**

Semester Three	Semester Four
CSE 2500: Intro to Discrete Systems (3 credits)	CSE 3100: Systems Programming (3 credits)
CSE 3140: Cybersecurity Lab (2 credits)	CSE 3500: Algorithms and Complexity (3 credits)
MATH 2110Q: Multivariable Calculus (4 credits)	PHIL 1104: Philosophy & Social Ethics (CA 1) (3 credits)
Lab Science (4 credits)	Free Elective (3 credits)
Gen Ed (3 credits)	Gen Ed (3 credits)
16 credits	**15 credits**

Semester Five	Semester Six
CSE 3150: C++ Essen. **or** CSE 3160: Funct. Prog. Fund. (3 credits)	CSE 3000: Contemporary Issues in CSE (1 credit)
CSE 3666: Intro to Computer Architecture (3 credits)	CSE Concentration Course (3 credits)
CSE Concentration Course (3 credits)	CSE Elective (3 credits)
Probability & Statistics Course (3 credits)	Gen Ed (3 credits)
MATH 2210Q: Applied Linear Algebra (3 credits)	Free Elective (3 credits)
	Free Elective (3 credits)
15 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)
Gen Ed/Free Elective (3 credits)	Free Elective (3 credits)
Free Elective (3 credits)	Free Elective (3 credits)
Free Elective (3 credits)	Free Elective* (2+ credits)
15 credits	**14+ credits**

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

Total Credits: 120