

Computer Science (BS)

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)
Lab Science (4 credits) (TOI 6)	Lab Science (4 credits) (TOI 6)
ENGR 1000: Orientation to Engineering (1 credit)	ENGL 1007: Writing & Composition (4 credits)
ENGR 1195: AI4All (2 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)	MATH 2210Q: Applied Linear Algebra (3 credits)
Lab Science (4 credits) (TOI 6)	TOI Course (3 credits)
TOI Course (3 credits)	TOI Course (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 Elective or Concentration Course (3 credits)
CSE Elective or Concentration Course (3 credits)	CSE Elective or Concentration Course (3 credits)
Probability & Statistics Course (3 credits)	TOI Course (3 credits)
TOI Course (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 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)
Free Elective (3 credits)	Free Elective* (2+ credits)
15 credits	14+ credits

*as needed to reach total degree credits

Total Credits: 120

**College of Engineering
Common Curriculum Requirements Check List**

Qualifying MPE Score: _____

*22+ needed to register for MATH 1131Q and MATH 1132Q

Competencies:

☐ Language met

If not met:

- Elementary I _____ AND Elementary II _____
- OR Intermediate 1 _____

☐ ENGL 1007 or 1010 or 1011

☐ Writing (W course in major): _____

☐ *Writing (W course): _____

*Can complete second W course in one of the below TOIs

Topic of Inquiry 1: *Creativity: Design, Expression, Innovation*

☐ TOI 1 Course (3 credits): _____

Topic of Inquiry 2: *Cultural Dimensions of Human Experiences*

☐ TOI 2 Course (3 credits): _____

Topic of Inquiry 3: *Diversity, Equity, and Social Justice*

☐ TOI 3 Course (3 credits): _____

Topic of Inquiry 4: *Environmental Literacy*

☐ TOI 4 Course (3 credits): _____

Topic of Inquiry 5: *Individual Values and Social Institutions*

☐ TOI 5 Course (3 credits): _____

Topic of Inquiry 6: *Science & Empirical Inquiry - Laboratory*

☐ TOI 6 Course (4 credits) and Focus Area (9 minimum credits in single TOI) **fulfilled** through completion of CoE lab science requirements

Lab #1: _____, Lab #2: _____, Lab #3: _____

Total Subject Areas in TOIs

- Need at least 6 different subjects
 - Total subject areas completed: _____ out of 6 subjects

Important Notes:

Approved TOIs & Competencies can be found in University Undergrad Catalog:

<https://catalog.uconn.edu/undergraduate/common-curriculum-appendix/>