

Computer Science Minor

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About

The Department of Computing Sciences seeks to provide outstanding education, to advance scholarship, and to engage in activities that benefit society as a whole, in accordance to the University mission. The Department aims to equip students with a solid foundation in computer science, and to prepare them for lifelong independent learning and innovative thinking in a constantly changing discipline. Its faculty members strive to maintain professional currency, and to involve students and colleagues in their research investigations. These endeavors support the University mission to transmit, pursue, and discover knowledge in an atmosphere of collegiality in the university community. Supported by a liberal arts education, the Department seeks to develop the total person, sensitive to social and ethical concerns affected by the computing discipline, and committed to addressing the needs of a diverse and interconnected modern society.

Program Computing Sciences

Degree Type Minor

MINOR: Computer Science (20 credits)

The computer science minor consists of 6 courses from the requirements for the computer science major. The minor provides a strong foundation in computer science suitable for application to any other major field of endeavor.

Program Notes:

- Courses that fulfill minor requirements may be used to fulfill other requirements (i.e., primary major, core curriculum, minors, concentrations, or free electives).

| Course | Title | Credits |
|----------|--------------------------------------|---------|
| | CSC Minor Intro Sequence | 8 |
| | CSC 1300 or MAT 2600 | 3 |
| CSC 2053 | Platform Based Computing | 3 |
| CSC 4480 | Principles of Database Systems | 3 |
| | Computer Science Electives for Minor | 3-4 |

CSC Minor Intro Sequence

Elective Credits 8

Students select from either Option A or Option B below.

Option A

| Course | Title | Credits |
|----------|----------------------------|---------|
| CSC 1051 | Algorithms & Data Struc I | 4 |
| CSC 1052 | Algorithms & Data Struc II | 4 |

Option B

| Course | Title | Credits |
|----------|--------------------------------|---------|
| ECE 1260 | EGR Prog and Applic | 3 |
| ECE 1261 | EGR Prog and Applic Lab | 1 |
| ECE 2160 | C++ Algorithms & Data Struct | 3 |
| ECE 2161 | C++ Algorithms&Data Struct Lab | 1 |

CSC 1300 or MAT 2600

Elective Credits 3

Select 1 class from these options.

| Course | Title | Credits |
|----------|--------------------------------|---------|
| CSC 1300 | Discrete Structures | 3 |
| MAT 2600 | Mathematical Reasoning & Proof | 3 |

Computer Science Electives for Minor

Elective Credits 3-4

Select 1 class which has the Computer Science minor elective attribute [CMNE]. Student can request permission from the CSC department chair to use other courses related to computing as an elective.