**Computer Science Minor** (18 credits)

- [CIS 180] Introduction to CIS (3)
- [CIS 181] Computer Programming I (3)
- [CIS 284] Computer Programming II (3)
- [CIS 385] Data Structures and Algorithms (3)

Six credits from the following:

- [CIS 287] Introduction to Game Design (3)
- [CIS 315] Intro to Mobile Application & Game Design (3)*
- [CIS 332] Database Concepts (3)
- [CIS 335] Software Engineering (3)*
- [CIS 384] Elements of Computing Systems (3)
- [CIS 415] Data Communications and Networking (3)
- [CIS 416] Operating Systems and Computer Architecture (3)*
- [CIS 418] Artificial Intelligence (3)
- [CIS 432] Database Applications (3)*
- [CIS 482] Organization of Programming Languages (3)
- [CIS 487] Interactive 3D Graphics (3)

*These courses require prerequisite(s), which may increase the total credits required for the minor.

*Requirements for students who declare the minor in 2017-18.*