

# Minor in Software Engineering



Updated: 6/4/2025

Catalog Year: 2025-2026

Total Credits Required: 16

## Required Courses (7 credit hours)

\* Denotes prerequisite which can be taken at the same time as requirement

| Prerequisites                                  |   |   |  |
|--|---|---|--|
| CSE 1322 Programming & Problem Solving II      | ('B' or better in CSE 1321 & CSE 1321L) & CSE 1322L* & (MATH 1113/1190/2202)* | 3 |  |
| CSE 1322L Programming & Problem Solving II Lab | ('B' or better in CSE 1321 & CSE 1321L) & CSE 1322* & (MATH 1113/1190/2202)*  | 1 |  |
| SWE 3313 Introduction to Software Engineering  | CSE 1322/L  | 3 |  |

## Upper-Division Elective Courses (9 credit hours)

| Prerequisites                                   |  |   |  |
|---|--|---|--|
| SWE 3623 Software Systems Requirements          | (SWE 3313 & (CSE 2300 or MATH 2345)) or CPE 3000 | 3 |  |
| SWE 3633 Software Architecture and Design       | SWE 3313 or CPE 3000                             | 3 |  |
| SWE 3643 Software Testing & Quality Assurance   | SWE 3313 or CPE 3000                             | 3 |  |
| SWE 4324 User-Centered Design                   | SWE 3313   | 3 |  |
| SWE 4783 User Interaction Engineering           | SWE 3313 or SWE 4324                             | 3 |  |
| SWE 4490 Special Topics in Software Engineering | Varies   | 3 |  |
| Any other SWE 3000- or 4000-level course        |  |   |  |