

Software Engineering M.S. – Online Program 2016-2017

Software Engineering Core Requirements (15 hours)

[SWEN 5130](#) Requirements Engineering

[SWEN 5232](#) Software Construction

[SWEN 5233](#) Software Architecture

[SWEN 5234](#) Software Processes

[SWEN 5432](#) Software Engineering Life Cycle

Software Engineering Capstone Option (21 hours)

No thesis option is available for students in the online program

3-hour SWEN 6837 Software Engineering Capstone Project

6-hour SENG/SWEN technical elective 5100-6000 level

3-hour SENG/SWEN technical elective 4000-6000 level

3-hour SWEN technical elective 4000-6000 level

6-hour SWEN technical elective 5100-6000 level

Capstone enrollment is limited to students who are in their graduating semester (last 9 hours of study including capstone) and have completed all required foundation courses identified on their CPS and any prerequisites prior to enrollment in capstone.

Courses taken as electives in SWEN require permission of the faculty adviser before enrolling.

SWEN Online Electives

Electives below are offered online. Not all electives are offered every semester, but several electives are offered each semester and in the summer in general. Others besides those listed below may also be offered.

[SENG 5330](#) Risk Management

[SWEN 5132](#) Software Design Patterns

[SWEN 5134](#) Gaming Software Development with Service Oriented Architecture

[SWEN 5230](#) Software Project Management

[SWEN 5431](#) Testing, Validation and Verification

[SWEN 5435](#) Personal Software Process

[SWEN 5534](#) Reuse and Reengineering