

Software Engineering M.S. – Online Program 2018-2019

Software Engineering Core Requirements (15 hours)

SWEN 5130_Requirements Engineering
SWEN 5232_Software Construction
SWEN 5233_Software Architecture
SWEN 5235 Software Construction II
SWEN 5236 Engineering Software I
SWEN 5237 Engineering Software II
SWEN 5432_Software Engineering Life Cycle

Software Engineering Capstone Option (3 hours of capstone plus 12 hours of electives)

3-hour SWEN 6837 Software Engineering Capstone Project
3-hour SENG/SWEN technical elective 4000-6000 level
9-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 in SWEN offered online in various semesters are listed below. Other electives maybe offered online periodically as well.

SENG 5330 Risk Management
SWEN 5234 Software Processes
SWEN 5131 Software Metrics
SWEN 5230 Software Project Management
SWEN 5431 Testing, Validation and Verification
SWEN 5435 Personal Software Process
SWEN 5534_Reuse and Reengineering