BS in Software Engineering
UNDERGRADUATE CURRICULUM

MS in Cybersecurity
GRADUATE CURRICULUM

Year One
GCIS-123
SWEN-101
MATH-181
Social Per.
Global Per.
YOPS-010

GCIS-124
SWEN-250
MATH-182
MATH-190
UWRT-150

Year Two
SWEN-261
SWEN-344
PHYS-211
COMM-253
Art Per.
SWEN-99

SWEN-262
SWEN-256
STAT-205
Lab Science
Ethics Per.

Co-Op Summer

Year Three
SWEN-340
SWEN-444
MATH-241
Immersion 1
SE Process

Co-Op Spring

Year Four
SWEN-331
SWEN-440
CSCI-261
Math/Science
Immersion 2

Co-Op Spring

This is a companion to the BS-SE Flowchart with key differences highlighted

CABM Checkpoint

Combined and Acclerated Masters (CABM) is the same dual-degree program as BS/MS

Key
Course sequence is the same as BS SE Flowchart

Graduate CSEC courses

Year Five
SWEN-561
SE Design
Elective
Immersion 3
Open Elective
Open Elective

SWEN-562
Math/Science
Open Elective
Open Elective

BS-SE Eng. Elective
double counts as
CSEC Grad Elective

BS-SE Prof. Elective
double counts as
CSEC Grad Elective

CSEC-742 typically only offered in Spring

Year Six
CSEC Research
Elective

CSEC Research
Elective

CSEC Graduate
Elective

Crypto & Auth
CSEC-604

MS Thesis
CSEC-790
(6 credits

CSEC Graduate
Elective

Computer Sys.
Security
CSEC-742

CSEC-604 is typically only offered in Fall

BS/MS Students must take Thesis

This is a **recommended** course sequence, but individual schedules **will vary**. **Not all pre-requisites** are shown here. Please verify pre-requisites in your planning. Please seek the guidance of your academic advisor as necessary.

When you reach 127 credits, you matriculate as a graduate student. For financial questions, contact the Office of Financial Aid and Scholarships.

For students starting Fall 2025, i.e. 2251
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