**Michigan Technological University Bachelor of Science Degree Audit**
**Major Program: Cybersecurity, Concentration: Software Security**
Program Code: CCY1, Academic Year 2024-2025
Total credits required for the degree: 120

## Core Requirements: 31 to 32 credits
- CS 1131 (5) or CS1121 *and* CS1122 (6)
- CS 2311 (3)
- CS 4001 (3)
- CS 4723 (3) or EE 4723 (3)
- SAT 1700 (3)
- SAT 2711 (3)
- SAT 3812 (3)
- SAT 4283 (3)
- SAT 4816 (3)
- MA 2320 (2)

## Math Requirements: 8 to 9 credits
- MA 1160 (4) or MA 1161 (5)
- MA 2720 (4)

## Lab Science Requirements: 7 credits minimum
Students must complete two science courses in two different disciplines (BL, CH, KIP, FW, GE, PH, SS) from the general education science course list; at least one of these must include or be taken with the accompanying laboratory. Find eligible courses on the General Education webpage.

## Technical Electives: 3 credits
Select one of the following: HU3120, SS3640, MIS4200, OSM4300, ENT3950 *and* ENT3960, CS3000 to CS5999, EE3000 to EE5999, SAT3000 to SAT5999

## Concentration Requirements: 36 credits
- CS 1142 (3)
- CS 2321 (3)
- CS 3141 (3)
- CS 3331 (3)
- CS 3421 (3)
- CS 3425 (3)
- CS 3411 (3)
- CS 3712 (3)
- CS 4321 (3)
- CS 4461 (3)
- CS 4471 (3)
- CS 4740 (3)

## Culminating Experience: 4 credits
Choose from any of the following options. All activities need preapproval from the department advisor and include significant cybersecurity experience>

Senior Design I & II
- CS 4741 (2)
- CS 4741 (2)

Enterprise/Co-op
- ENT 4900 (2)
- ENT 4910 (2)
- UN 3002 (2)
- UN 3003 (2)

## Free Electives: 5 to 7 credits
Any coursework is allowable, excluding co-curricular and coursework below the 1000- level.

## General Education Core, Humanities, Fine Arts, and Social Science (HASS) Requirements: 24 credits

Courses used to complete Core and HASS requirements may not be used to complete other degree requirements. Students must complete 12 credits of Core coursework and 12 credits of Humanities, Fine Arts, and Social Science (HASS) coursework.  Repeatable courses may not be repeated for general education credit. Core and HASS courses can be found on the [General Education](#) page.

### Core: 12 credits

- UN 1015 (3)
- UN 1025 or an upper level modern language (3)
- Critical and Creative Thinking (3)
- Social Responsibility and Ethical Reasoning (3)

### HASS: 12 credits, six of the 12 credits must be at the 3000- or 4000- level

- Communication/Composition (minimum 3 credits)
- Humanities and Fine Arts (minimum 3 credits)
- Social and Behavioral Sciences (minimum 3 credits)
- Any course from the General Education Core, HASS, or Restricted HASS [course list](#) (0 to 3 credits)

## Co-curricular Activities: 3 credits

Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree. Only courses on the co-curricular course list are eligible. Half (0.5) credit courses may be repeated to a maximum of one time for co-curricular credit. Find eligible courses on the [General Education](#) page.