Michigan Technological University Bachelor of Science Degree Audit
Major Program: Cybersecurity, Concentration: Software Security
Program Code: CCY1, Academic Year 2025-2026
Minimum credits required for the degree: 120

Core Requirements: 32 to 33 credits

- CS 1000 (1)
- 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)

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)

Essential Education requirements
- Students must complete three main components of Essential Education (First-Year Experience, Distribution or Minor Pathway, and Activities for Well-being and Success) with the credit distributions as shown below. A minimum of 37 credits is required to complete these requirements.
- Up to five Essential Education requirements and the Michigan Tech Seminar may be shared (double-counted) with major requirements. Work with your advisor to determine which major requirements may satisfy Essential Education requirements.
- Some courses are on more than one list, but each course can satisfy only one Essential Education requirement.
- Students may choose between an Essential Education minor or the Distribution Pathway. The list of Essential Education minors can be found [here](#).
- Lists of courses for each requirement can be found on the [Essential Education](#) page.

First-Year Experience (16 credits)
- Michigan Tech Seminar (1)
- Math (3)
- Natural and Physical Science (3)
- STEM (3)
- Composition (3)
- Foundations of the Human World (3)

Distribution Pathway (18 credits)
- Communication Intensive (3)
- Intercultural Competency (3)
- Arts and Culture (3)
- STEM (3)
- SHAPE (3)
- Essential Education Experience (3)

Activities for Well-being and Success (3 credits)

Free Electives
- Any coursework is allowable, excluding coursework below the 1000-level.
- The number of free elective credits required is dependent on how many additional credits are required beyond Major requirements and Essential Education requirements to reach the total credits required for the degree as indicated on the audit.

Additional Graduation Requirements
- Satisfy the 2.0 departmental and cumulative Grade Point Average
- Earn 30 upper-level credits at Michigan Tech
- [Apply for Graduation](#)