

## Michigan Technological University Bachelor of Science Degree Audit

### Major Program: Information Technology: Network Administration

Program Code: CIT1, Academic Year 2026-2027

Minimum credits required for the degree: 120

#### Required Courses: 51-52 credits

- SAT 1000 (1)
- CS 1131 (5) or CS1121 *and* CS1122 (6)
- EET 1411 (3)
- EET 2411 (3)
- SAT 1610 (3)
- SAT 1700 (3)
- SAT 2343 (3)
- SAT 2511 (3)
- SAT 2711 (3)
- SAT 3210 (3)
- SAT 3310 (3)
- SAT 3611 (3)
- SAT 3812 (3)
- SAT 4411 (3)
- SAT 4816 (3)
- OSM 4300 (3) or MIS 3200 (3)
- Choose one for 3 credits: HU2830, HU2840, HU3105, HU3120, HU3694, HU3845, HU4625, SS3535, SS4550

#### Math and Science Requirements: 11-12 credits

- MA 1160 (4) or MA 1161 (5)
- MA 2320 (2)
- MA 2720 (4)
- SAT 3830 (1)

#### Capstone Design: 6 credits

Choose one of the following project options:

##### Option 1: Senior Design

- SAT 4480 (3)
- SAT 4880 (3)

##### Option 2: Enterprise/Co-op – choose 6 credits

- ENT 3950 (1)
- ENT 3960 (1)
- ENT 4950 (2)
- ENT 4960 (2)
- UN 3002 (1-2)
- UN 3003 (1-2)

#### Concentration Requirements: 18 credits

- CS/EE 4723 (3)
- EET 3373 (3)
- SAT 3343 (3)
- SAT 3820 (3)
- SAT 4343 (3)
- SAT 4344 (3)

#### Technical Electives: 6 credits

- CS 2800
- DATA 1200
- DATA 2201
- MIS 4000
- CS 3XXX
- CS 4XXX
- EE 3XXX
- EE 4XXX
- EET 3XXX
- EET 4XXX
- SAT 3XXX
- SAT 4XXX

## 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](#)