

## Michigan Technological University Associate of Science Degree Audit

### Major Program: Engineering

Program Code: EAEN, Academic Year 2025-2026

Minimum credits required for the degree: 65

#### Required Math Courses: 8 to 9 credits

- MA 1160 (4) or MA 1161 (5)
- MA 2160 (4)

#### Required Science Courses: 8 credits

- CH 1150 (3)
- CH 1151 (1)
- PH 1100 (1) or PH 1141 (1) or PH 1111 (1)
- PH 2100 (3) or PH 1140 (3)

#### Required Engineering Courses: 6 to 7 credits

- ENG 1101 (3)
  - or ENG 1101T (3) and  
(UN 1013 or UN 2013 (1))
- ENG 1102 (3)

#### Math and Science Electives: select 6 to 8 credits

- BL 1100 (3) or BL 1400 (3)
- BE 2400 (3)
- CH 1160 (3)
- CH 1161 (1)
- GE 2000 (3)
- MA 2320 (2) or MA 2321 (2) or MA 2330 (3)
- MA 3160 (4)
- MA 3520 (2) or MA 3521 (2)
- MA 2720 (4) or MA 3710 (3) or CEE 3710 (3)  
or BE 2110 (3)
- PH 1200 (1)
- PH 1240 (3) or PH 2200 (3)

#### Engineering Electives: select 6 to 8 credits

- BE 2100 (1) or CEE 1000 (1) or CEE 1501 (1) or  
CM 1000 (1) or ENG 1505 (1) or ENG 1885 (1) or  
GE 1100 (1) or SU 1000 (1)
- BE 2700 (3)
- CEE 3501 (3) or CEE 3503 (3)
- CM 2110 (3)
- CM 3230 (4)
- CS 1111 (3) or CS 1121 (3) or CS 1131 (5)
- EE 3010 (3) or EET 1411 (4)
- GE 2300 (3)
- GE 3050 (3)
- ME 2110 (3) or ENG 2120 (4) or MET 2110 (3)
- ME 2201 (3) or CEE 3200 (4) or ME 2201 (3)
- MET 2400 (3)
- MSE 2100 (3) or BE 2800 (3)
- MSE 2110 (3)
- SU 2000 (3)
- SU 2050 (3)

#### Selective Electives: up to 17 credits to reach the total required credits

Select remaining credits from the following course list (not already used):

- ACC 2000 (3), BL 1100 (3), BL 1200 (3),  
BL 1400 (3), BL 2010 (3), BL 2011 (1),  
BL 2020 (3), BL 2021 (1), BUS 2200 (3),  
CH 1000 (3), CH 1153 (1), CH 1160 (3),  
CH 1161 (1), CH 1163 (1), CH 2410 (3),  
CH 2411 (1), CH 2420 (3), CH 2421 (1),  
SAT 2711 (3)
- Any 1000+ level AE, BE, CEE, CM, CS, EE, ENG,  
GE, MA, ME, MET, MSE, PH, SU
- Except GE2100, MA2710, PH1110, PH1210,  
any XXXX course

## Essential Education requirements

- Students must complete three main components of Essential Education (First-Year Experience, Distribution, and Activities for Well-being and Success) with the credit distributions as shown below. A minimum of 24 credits is required to complete these requirements.
- Up to three Essential Education courses and the Michigan Tech Seminar may be shared (double-counted) with degree 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.
- 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 (6 credits)

Choose a minimum of 3 credits from two of the following lists:

- Communication Intensive
- Arts and Culture
- STEM
- SHAPE

### Activities for Well-being and Success (2 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
- [Apply for Graduation](#)