

## Michigan Technological University Associate of Science Degree Audit

### Major Program: Engineering

Program Code: EAEN, Academic Year 2024-25

Total 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 1001 (2) and ENG 1100 (2)
- 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)

#### General Education Core: 12 credits

*Courses used to complete General Education Core may not be used to complete other degree requirements.*

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

#### 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.

#### 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 2111 (3) or EE 3010 (3) or EET 1411 (4)
- GE 2300 (3)
- GE 3050 (3)
- MEEM 2110 (3) or ENG 2120 (4) or MET 2110 (3)
- MEEM 2201 (3) or CEE 3200 (4)
- MET 2400 (3)
- MSE 2100 (3) or BE 2800 (3)
- MSE 2110 (3)
- SU 2000 (3)
- SU 2050 (3)

#### Selective Electives: 13 to 19 credits

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

- ACC 2000 (3), BUS 2200 (3), SAT 2711 (3)
- Any 1000+ level BE, BL, CEE, CH, CM, CS, EE, ENG, GE, MA, MEEM, MET, MSE, PH, SU
- Except GE2100, MA2710, PH1110, PH1210, any XXXX course