Follow this plan to avoid time conflicts between required classes.

Optional: Enterprise (ENT) participation:

1) ENT1960(1)  
2) ENT2950(1)  
3) ENT2960(1)  
4) ENT3950(1)  
5) ENT3960(2)  

Sem. 1 - Fall  
1) MA1160/61 (4/5) Calculus I  
2) MA2160 (4) Calculus II  
3) CH1150 (3) Univ Chem I  
4) CH1151 (1) Univ Chem I Lab  
5) CS1111 (3) Intro C/C++ Programming  

Sem. 2 - Spring  
1) MA1160  
2) MA2160  
3) ENG1101 (3) Engr Analysis  
4) ENG1102 (3) MODEL & DESGN  
5) **PH2100 (3) Physics I  

Sem. 3 - Fall  
1) MA2321 (2) Accelerated. Linear Alg  
2) MA3160 (4) Multi-Variable Calculus  
3) PH2100 (3) Physics I Lab  
4) EE2111 (3) Electric Circuits I  
5) CS1111 (3) Intro C/C++ Programming  

Sem. 4 - Spring  
1) *MA3521 (2) Acceler. Linear Alg  
2) MA2160  
3) MA3160 (2) Multi-Variable Calculus  
4) PH2200 (3) Univ. Physics 2  
5) EE2174 (4) Digital Logic & Lab  

Sem. 5 - Fall  
1) EE1316 (3) Signals & Systems  
2) EE3120 (3) Electromagnetics  
3) EE3140 (3) Elect. Energy System of SO EE Elective  
4) EE3171 (4) Microcontroller Applications  

Sem. 6 - Spring  
1) EE3180 (3) Intro. Probability & Random Sig. Anal.  
2) EE3901 (2) Design Fund.  
3) EE4901 (2) EE Design 1  
4) EE4910 (2) EE Design 2  

5) Enterprise design option:  
   - ENT3950(1)  
   - ENT3960(2)  

5) Senior design option:  
   - EE4901 (2) EE Design 1  
   - EE4910 (2) EE Design 2  

*EE3120 may be postponed for a Sophomore EE Elective course:  
   - EE2190 - Photonics  
   - EE2180 - Robotics  
   - EE2230/31 – PCB Fabrication

**PH2100 (2) Physics I Workshop  

Choose at least 6 credits of 3000-4999 HASS.

Choose from SELECT list in your degree audit

Approved Electives (3)

Free Electives (3)

Total 128

Concurrent prerequisite  
(a prereq. that can be taken concurrently)

Study Abroad info:  
https://www.mtu.edu/student-affairs/study-away-and-abroad-experiences/program/

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Calculus ready students

ENT4950 & ENT4960: take in same enterprise & consecutive semesters.

Math

Electrical Engineering at Michigan Tech

Bachelor of Science – Electrical Engineering 2023-2024

The EE degree plan without a concentration

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2) MA2160 (4) Calculus II  
3) CH1150 (3) Univ Chem I  
4) CH1151 (1) Univ Chem I Lab  
5) CS1111 (3) Intro C/C++ Programming  

Sem. 2 - Spring  
1) MA1160  
2) MA2160  
3) ENG1101 (3) Eng Analysis  
4) ENG1102 (3) MODEL & DESGN  
5) **PH2100 (3) Physics I  

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3) PH2100 (3) Physics II Lab  
4) EE2111 (3) Electric Circuits I  
5) CS1111 (3) Intro C/C++ Programming  

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