

1. **HASS General Education Distribution:** 6 credits must be 3000 level or higher, includes EC 3400 (i.e. 3 additional credits at 3000 level with EC 3400 satisfies the requirement). Approved list of courses and requirements is available in the ME Advising Center, or <http://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/hass/>
2. **Technical electives:** Approved list is available in the ME Advising Center or at <http://www.me.mtu.edu>
3. **Engineering Fundamentals:** ENG1001 (2 credits) plus ENG1100 (2 credits) is equivalent to ENG1101 (3 credits). ENG1002 or passing spatial visualization test is required for ENG1001 and ENG1101 as a concurrent pre-requisite. ENG1002 or passing the spatial visualization test is also a pre-requisite for ENG1102. MA1160/1161 is a concurrent pre-requisite for ENG1101 and MA1031 or MA1032 are concurrent pre-requisites for ENG1001.
4. **Math:** Students are placed into MA1160 (4 credits) or MA1161 (5 credits) based on ACT math or math placement exam score. Either course meets the Calculus I requirement. The Math Department teaches MA2321 accelerated in the first half of a given semester and MA3521 accelerated in the second half of the semester (i.e. register for the same section number of both MA2321 and MA3521 in the same semester). MA2320 and MA3520 are offered as semester long courses for those students choosing to take only one of these courses in a given semester. MA2320 or MA2321 or MA 2330 are approved pre-requisites for MA3520 or MA3521.
5. **Enterprise:**
 - a) Choose from the following one credit modules: ENT2950, ENT2960, ENT3954, ENT3955, ENT3956, ENT3958, ENT3961, ENT3962, ENT3963, ENT3964, ENT3966, ENT3967, ENT3969, ENT3970, ENT3971, ENT3972, ENT3973, ENT3974, ENT3975, ENT3976, ENT4951, ENT4954, ENT4955, ENT4961, and ENT4962.
 - b) The minimum degree requirement of 127 credits includes double-listing of ENT2961 and ENT2962 as General Education Distribution credits. Without double-listing, the minimum requirement is 130 credits. Alternately, HU3120 or CM3410 may be substituted for ENT2961/2962 and also used as HASS Supplemental list credit. Please see an advisor in the ME Advising Center to make this substitution.
 - c) In order to enroll in ENT 4950 to begin Enterprise senior design project work, the Verification of Senior Design Objectives form must be fully completed and approved by the Enterprise faculty advisor who must check the ABET criteria as appropriate before submission to the ME Advising Center. Students are to follow the template, Project Brief for MEEM Capstone, when completing this process. Academic advisors will review abstract and verify that pre-requisites for ENT 4950 have been satisfied (MEEM 3900, ENT 3960, and at least concurrent registration of MEEM 3000 and MEEM 3502). After senior design readiness has been verified, this form must be approved by the ME-EM department before registration in ENT 4950. This project submission will also define the second senior project semester, ENT4960, although faculty advisor approval may be required for ENT4960 registration. All four required Enterprise project semesters, ENT3950/3960/4950/4960, must be completed with the same Enterprise team.
6. **Co-curricular Activities:** Mainly physical education courses with some other additions. Three units (or six half units) are required for graduation. These hours will be included as earned hours and may be used to determine full-time enrollment status, but will not be included in the hours used to calculate cumulative GPA. See co-curricular list available in the ME Advising Center, or <http://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/co-curricular/>
7. **Pre-requisite** courses are noted by an arrow. The pre-requisite course must be successfully completed prior to taking the subsequent course. **Concurrent pre-requisites** are noted by a 'C' next to the arrow and can be taken at the same time.
8. **Co-requisite** courses are courses that must be taken together.
9. **Transfer courses** will not be included in credit hours used for calculation of cumulative, engineering, and departmental GPAs. Transfer credit is awarded for Michigan Tech equivalent course work only if a grade of "C" or better (2.00/4.00) or equivalent is earned at transfer institution.
10. **EnGPA - Engineering Grade Point Average** is comprised of the following Foundation courses (shown shaded on flow chart). An EnGPA ≥ 2.75 will automatically allow progression into MEEM2200, MEEM2700, MEEM2150, MEEM3900 and subsequent MEEM courses.

CH1150 + CH1151	4 credits
ENG1101 (or ENG1001 + ENG1100)	3/4 credits
ENG1102	3 credits
MA1160/61	4/5 credits
MA2160	4 credits
PH1100	1 credit
PH2100	3 credits
UN1001	3 credits

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This is not an official list of degree requirements. Adjustments may be required due to curriculum changes.