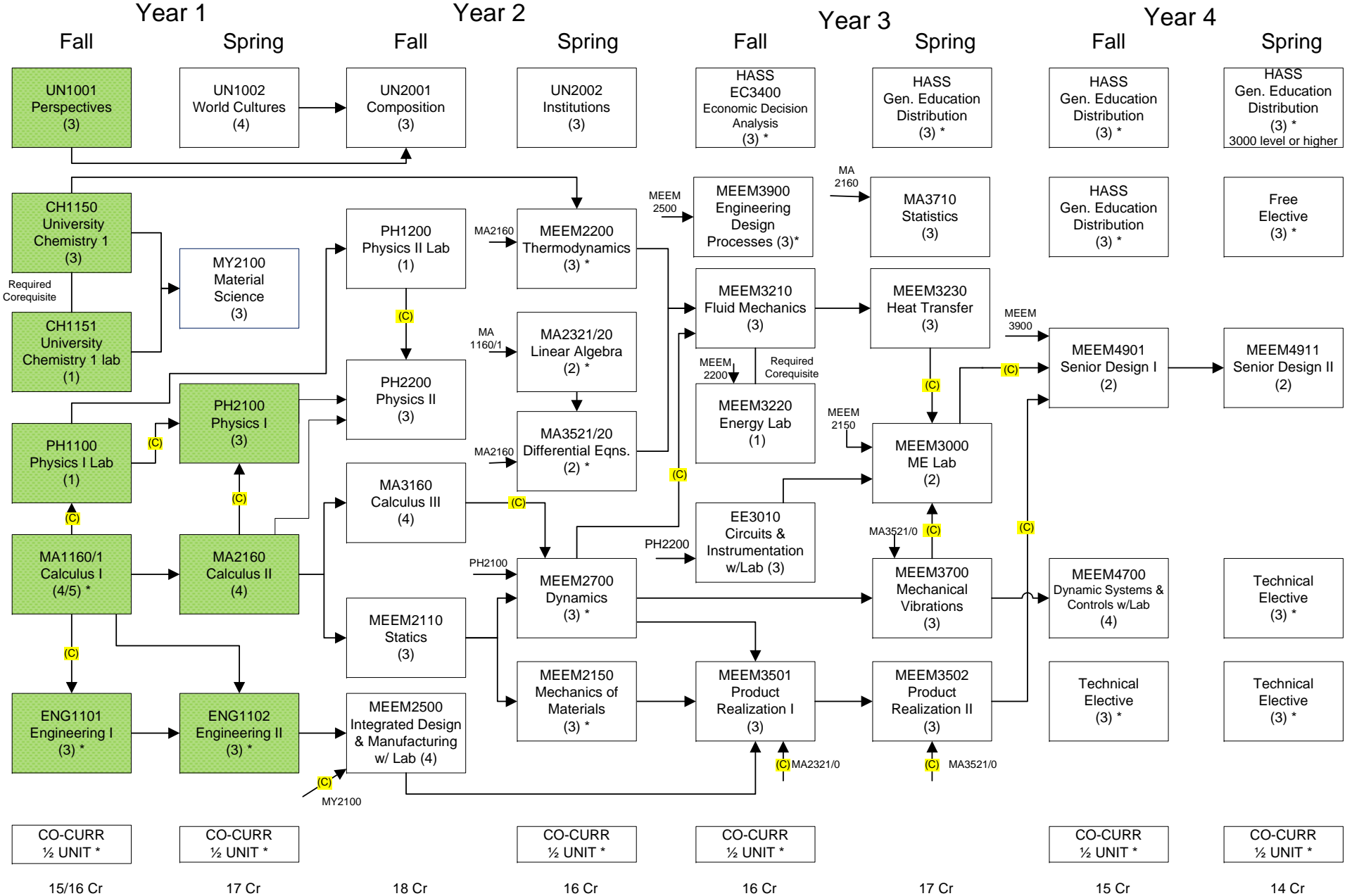




Bachelor of Science-Mechanical Engineering

Academic Year 2009-2010



 Foundation Course *
 → Prerequisite (Course must be completed prior to enrollment)
 (C) Concurrent Prerequisite (A prerequisite course that may be taken concurrently)
 → Required Corequisite (Courses must be taken together)
 () Course Credits
 * See notes on back

128 Total Credits
November 2010

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. **Free electives:** Any Michigan Tech course(s) or approved transfer course(s) that are 1000-level or above, and are not duplicated or equivalent courses.
6. **Cooperative Education:** UN3002 (Cooperative Education) is used as free electives in the BSME curriculum.
7. **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/>
8. **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.
9. **Co-requisite** courses are courses that must be taken together.
10. **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.
11. **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

November 2011

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