1. **General Education Requirements**: 24 total credits. Required courses are UN1015-Composition (3 credits), UN1025-Global Issues (3 credits), a Critical & Creative Thinking course (3 credits), a Social Responsibility & Ethical Reasoning course (3 credits), and 12 HASS (Humanities, Arts, & Social Sciences) credits. The 12 total credits of HASS must include a minimum of 3 credits each in Communication/Composition, Humanities/Fine Arts and Social & Behavioral Science. Approved course lists are available in the ME Advising Center and are linked on the ME Advising web page. 6 credits must be 3000 level or higher (does not include EC3400). EC3400 is not a HASS course for ME students, but is still required for the BSME. No more than 3 credits may be used from the HASS Restricted List. All 3000 level or higher HASS courses require UN1015 and UN1025 as non-concurrent prerequisites.

2. **UN1025 Global Issues Language Option**: 3 credits of 3000-level or higher modern language may be substituted directly for UN1025. A list of approved courses is located on the Modern Language web page.

Any students with previous language experience in Spanish, French, or German may take the Modern Language Online Placement Test. Instructions are linked on the ME Advising web page.

3. **Technical electives**: At least 6 credits of tech electives must be MEEM 4000+ course numbers (exceptions below) for students starting Fall 2019 or later. Otherwise, any 4000+ level courses in the College of Engineering except MET courses are acceptable for ME technical electives. 

**MET courses are not acceptable for ME technical elective credits.** These prefixes - BE, CM, CEE, EE, ENG, GE, MME, MSE - may be used by BSME students for technical elective credits (if allowed to enroll in the course by the offering department) with the following exceptions: BE4000, BE4900, BE4901, BE4910, BE4930, BE5000, BE5900, CEE4510, CEE4900, CEE4905, CEE4910, CEE4915, CEE4916, CEE4920, CEE4930, CEE4990, CEE5190, CEE5250, CEE5390, CEE5490, CEE5560, CEE5561, CEE5562, CEE5563, CEE5590, CEE5920, CEE5930, CEE5990, CEE5991, CEE5992, CEE5994, CEE5997, CEE5998, CEE5999, CM4000, CM4020, CM4040, CM4060, CM4855, CM4860, CM4861, CM4910, CM4990, CM5900, CM5950, CM5990, EE4000, EE4080, EE4805, EE4870, EE4901, EE4910, EE4911, EE4920, EE4980, EE5900, EE5990, EE5991, EE5992, EE5994, ENG4060, ENG4070, ENG4905, ENG4910, ENG4990, ENG5060, ENG5100, ENG5200, ENG5300, ENG5400, ENG5990, ENG5998, GE4000, GE4090, GE4910, GE4916, GE4930, GE4931, GE4933, GE4934, GE4961, GE4962, GE4970, GE5187, GE5390, GE5394, GE5940, GE5950, GE5970, GE5994, GE5995, GE5998, GE5999, ME454900, ME454901, ME454999, ME5M5010, ME5M5990, ME5M5994, ME5M5995, ME5M5999, ME5M6000, ME5M6130, ME5M6141, ME5M6142, ME5M6641, ME5M6970, ME5M6990, ME5M69990, ME5M69999, ME5M7000, ME5M7990, and ME5M9990 or any other research/special topics/seminar/senior design/etc. credits (courses without a specific course description and/or syllabus). Undergraduate students cannot typically enroll in 6000-level courses. Special topics courses (4990, 5990, etc.) may be approved on an individual section/semester basis if a student/faculty member submits or creates a course syllabus for evaluation. OSM 4300 is also acceptable.

4. **Engineering Fundamentals**: ENG1002 or passing the online spatial visualization test is required for ENG1101 as a concurrent pre-requisite. ENG1002 or passing the spatial visualization test is also a pre-requisite (non-concurrent) for ENG1102. MA1160/1161/1121 is a concurrent pre-requisite for ENG1101. MA1160/1161/1121 is a non-concurrent pre-requisite for ENG1102. ENG1102 project content varies by section number.

5. **Math**: Students are placed into an initial math course based on ACT/SAT math score, the online ALEKS assessment, or a math placement test. For students earning a 'C' or 'D' from the following courses: ENG1102 project content. ENG1102 or passing the online spatial visualization test is also a pre-requisite (non-concurrent) for ENG1102. MA1160/1161/1121 is a concurrent pre-requisite for ENG1101. MA1160/1161/1121 is a non-concurrent pre-requisite for ENG1102. ENG1102 project content varies by section number.

6. **Free electives**: Any credits that are 1000-level or above, not on the co-curricular activities list, and not non-repeatable duplicated or equivalent courses.

7. **Co-curricular Activities**: Mainly physical education courses with some additions. Three units (or six half units) are required for graduation. These units will be included as earned hours and may be used to determine full-time enrollment status. These units are in addition to the 128 total credits required for the BSME. Co-curricular list available in the ME Advising Center and is linked on the ME Advising web page. These units are graded pass/fail and are not included in credit hours used for calculation of any grade point averages (cumulative, engineering, or departmental).

8. **Prerequisite courses** are noted by a plain arrow. The prerequisite course must be successfully completed prior to taking the subsequent course. **Concurrent prerequisites** are noted by a (C) within the arrow and may be taken at the same time, although it is not necessary to take these courses together if the pre-requisite course is completed first. **Co-requisite courses** are courses that must be taken together.

a. **The prerequisites for ENT4950 are**: EE 3010 (C), ENT 3950 (same team), MA 3710 (C), MEEM 3400, MEEM 3600 (C), MEEM 3201, MEEM 3750, MEEM 3901, MEEM 3911 - For the Fall 2021, Spring 2022, and Summer 2022 semesters, students will be allowed to take MEEM 3201 and/or MEEM 3750 concurrently with ENT 4950. Both courses must be passed to move on to ENT 4960. Starting in Fall 2022, all students must have already passed MEEM 3201 and MEEM 3750 to begin ENT 4950.

b. **The prerequisites for ENT4960 are**: EE 3010, ENT 4950 (same team), MA 3710, MEEM 3201, MEEM 3600, MEEM 3750

12. **Transfer, Advanced Placement, or study abroad courses** are not included in credit hours used for GPA calculations. 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 a transfer institution. Study abroad credit will be awarded based on passing a course according to equivalent international standards. Advanced Placement credit is awarded according to published AP Exam score standards (also IB and CLEP).

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

ME Advising web page: http://www.mtu.edu/mechanical/undergraduate/advising/

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