**ENGINEERING SCIENCE ELECTIVE**
(select 1)
- BE2700  BIOMEDICAL SIGNALS & SYSTEMS
- CM2210  MATERIAL AND ENERGY BALANCES
- CM2200  INTRO TO MINERALS & MATERIALS
- EE3010  CIRCUITS AND INSTRUMENTATION
- MSE2100  INTRO TO MATERIALS SCI & ENGRG
- MEEM2201  INTRODUCTORY THERMODYNAMICS
- MEEM2700  DYNAMICS

**SENIOR DESIGN (SD) PRE-REQS**
(complete 7 of the following)
- CEE3101, CEE3202, CEE3331, CEE3332, CEE3401, CEE3503, CEE3620, CEE3810, CEE4213 or CEE4223

**GENERAL EDUCATION REQUIREMENTS**

**A. CORE COURSES (12 CREDITS)**
1. UN1015 (COMPOSITION)
2. UN1025 (GLOBAL ISSUES) or 3000+ level Modern Language Course
3. CRITICAL AND CREATIVE THINKING
   - ART1000, HU2130, HU2324, HU2501, HU2503, HU2538, HU2700, HU2701, HU2820, HU2910, MUS1000, SND1000, SS2300, THEA1000
4. SOCIAL RESP. & ETHICAL REASONING
   - EC2001, PSY2000, SS2100, SS2200, SS2400, SS2500, SS2501, SS2502, SS2503, SS2504, SS2505, SS2600, SS2610, SS2700

**B. HASS COURSES (12 CREDITS)**
(General Ed Website, left)
1. COMM/COMP: ____________________________
2. HUMANITIES & FINE ARTS: ________________
3. SOCIAL & BEHAVIORAL SCIENCES: ___________
4. ANY HASS OR HASS RESTRICTED COURSE: ____________
   - 6 credits must be upper division 3000-4000 level courses
   - No more than 3 credits from the HASS Restricted list can be used to satisfy HASS requirements.
   - Each course can satisfy only one requirement.

**C. CO-CURRICULAR ACTIVITIES (3 UNITS)**
(General Ed Website, left)
1. __________  4. __________
2. __________  5. __________
3. __________  6. __________

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**UNDERGRADUATE CATALOG (COURSE DESCRIPTIONS):**
https://www.mtu.edu/catalog/courses/

**GENERAL EDUCATION (CO-CURRICULAR & HASS LIST):**
https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/

**PROFESSIONAL ELECTIVES**

UNDERGRADUATE CATALOG: [https://www.mtu.edu/catalog/courses/](https://www.mtu.edu/catalog/courses/)
- Any **1000** or higher level course in Computer Science, Fine Arts or Forestry. (CS, ART, FW, MUS, SND, THEA)
- Any **2000** or higher level course in Biological Sciences, Chemistry, Construction Management, Geology, Physics or Geospatial Engineering. (BL, CH, CMG, GE, PH, SU)
- Any **2000** or higher level course in Business or Economics (ACC, BUS, EC, FIN, MGT, MIS, MKT, OSM).
- Any **3000** or higher level course in Mathematics, Humanities, Psychology, Social Sciences or University Wide (MA, HU, PSY, SS, UN).
- Any **3000** or higher level course in Civil and Environmental Engineering (CEE) or any other Engineering Dept.

NOTE: OTHER COURSES MAY BE USED TO SATISFY THE PROFESSIONAL ELECTIVES REQUIREMENT IF APPROVED BY THE DEPARTMENT OF CIVIL, ENVIRONMENTAL, AND GEOSPATIAL ENGINEERING ACADEMIC ADVISOR.