CIVIL ENGINEERING FLOWCHART
General Path
Academic Year 2021-22

NOTE: LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS CAN BE TAKEN DURING THE SAME SEMESTER (MA2321 & MA3521) OR SEPARATE SEMESTERS (MA2320 & MA3520)

**HIGHLY RECOMMENDED BUT NOT REQUIRED

**ONE SEMESTER OF 3000 LEVEL OR HIGHER LANGUAGE COURSE CAN REPLACE UN1025

"COURSE CAN EITHER BE TAKEN AT THE SAME TIME (CD-REQ) OR TAKEN PRIOR TO THE COURSE (PR-REQ)

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

**CO-CURricular Units

= General Education Requirements

= General Civil Path Requirements

Sample Co-Curricular Units:

- **CO-CUR UNIT (SEE LIST) 0.5 CREDIT
- **CO-CUR UNIT (SEE LIST) 0.5 CREDIT
- **CO-CUR UNIT (SEE LIST) 0.5 CREDIT

Total Co-Curricular Units: 3

Updated 05/18/2021
Senior Design (SD) Pre-reqs
(complete 7 of the following)
CEE3101, CEE3202, CEE3331, CEE3332, CEE3401, CEE3503, CEE3620, CEE3810, CEE4213 or CEE4223

Engineering Science Elective
(select 1)
BE2700  BIOMEDICAL SIGNALS & SYSTEMS
CM2110  MATERIAL AND ENERGY BALANCES
CM2200  INTRO TO MINERALS & MATERIALS
EE3010  CIRCUITS AND INSTRUMENTATION
MSE2100  INTRO TO MATERIALS SCI & ENGRG
MEEM2201  INTRODUCTORY THERMODYNAMICS
MEEM2700  DYNAMICS

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/

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, 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. __________

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