

F INDICATES COURSE IS OFFERED FALL SEMESTER  
 S INDICATES COURSE IS OFFERED SPRING SEMESTER  
 Su INDICATES COURSE IS OFFERED SUMMER SEMESTER  
 (L) INDICATES A COURSE WHICH INCLUDES A LAB  
 MUST BE SCHEDULED IN ADDITION TO THE LECTURE  
 (C) INDICATES THE COURSE CAN EITHER BE TAKEN AT THE SAME TIME (CO-REQ) OR  
 TAKEN PRIOR TO THE COURSE (PRE-REQ)

# CIVIL ENGINEERING FLOWCHART

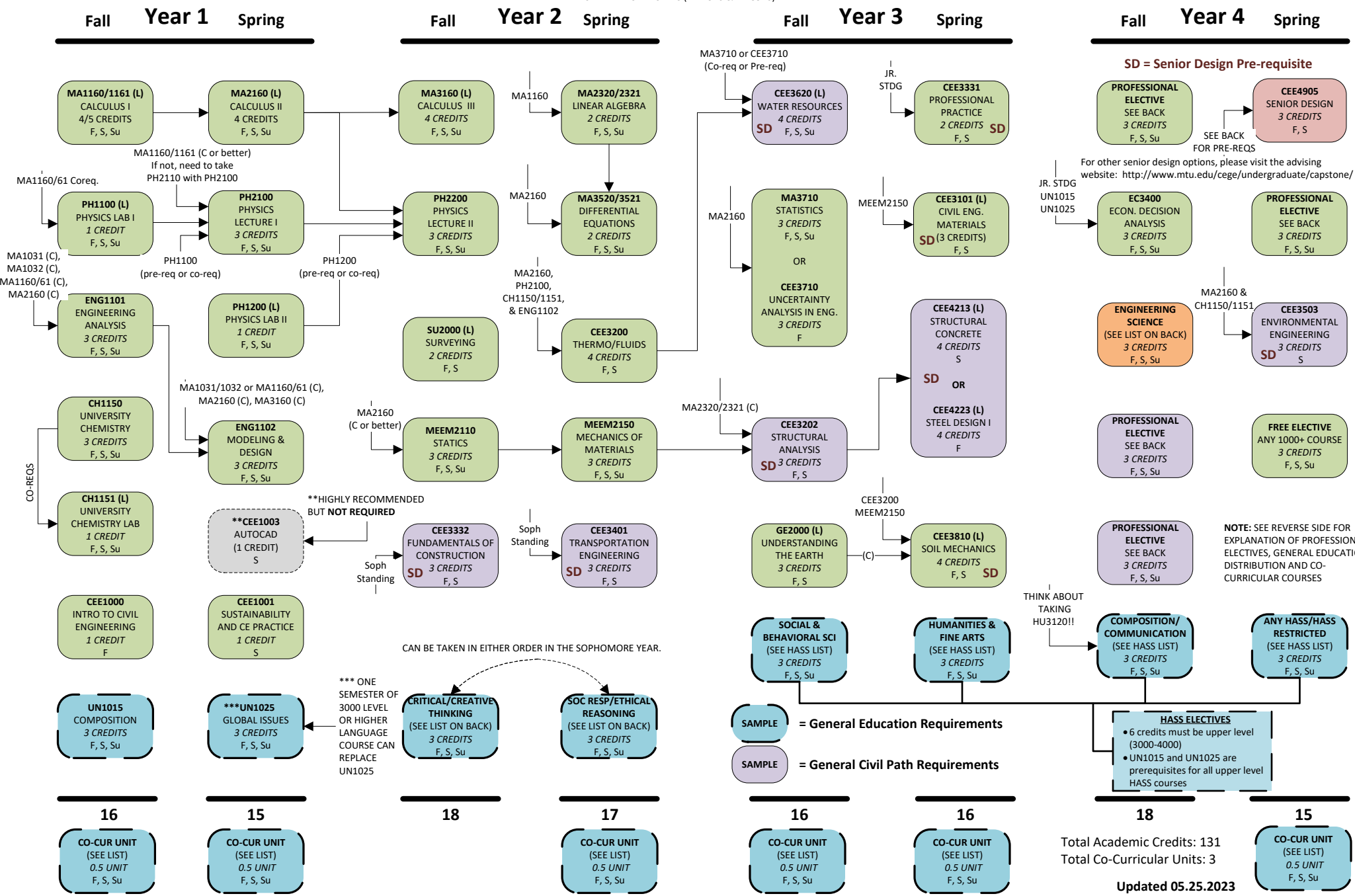
## General Path

### Academic Year 2023-24



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

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



## 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

## 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. _____ |

## 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/>

- 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.