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

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### Fall Year 1

- **MA1160/1161** CALCULUS I (4/5 CREDITS)  
  - F, S, Su  

- **PH1100** PHYSICS I LAB I (1 CREDIT)  
  - F, S, Su  

- **CH1150** UNIVERSITY CHEMISTRY I (3 CREDITS)  
  - F, S, Su  

- **EE1501** INTRO. TO ENV. ENGINEERING (1 CREDIT)  
  - F  

**TOTAL FALL YEAR 1: 16 CREDITS**

### Spring Year 1

- **MA2160** CALCULUS II (4 CREDITS)  
  - F, S, Su  

- **PH2100 PHYSICS I LECTURE I** (3 CREDITS)  
  - F, S, Su  

- **CH1160** UNIVERSITY CHEMISTRY II (3 CREDITS)  
  - F, S, Su  

- **MA2320** LINEAR ALGEBRA (2 CREDITS)  
  - F, S, Su  

**TOTAL SPRING YEAR 1: 24 CREDITS**

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### Fall Year 2

- **MA3160** CALCULUS III (4 CREDITS)  
  - F, S, Su  

- **PH2100 PHYSICS I LECTURE II** (3 CREDITS)  
  - F, S, Su  

- **CH1161** UNIVERSITY CHEMISTRY II LAB (1 CREDIT)  
  - F, S, Su  

- **EE2120 STATICS/STRENGTH OF MATERIALS** (4 CREDITS)  
  - F, S, Su  

**TOTAL FALL YEAR 2: 17 CREDITS**

### Spring Year 2

- **MA2160** CALCULUS III (4 CREDITS)  
  - F, S, Su  

- **CH1150/1151** UNIV. CHEMISTRY I (3 CREDITS)  
  - F, S, Su  

- **EE3501 ENV. ENGRG. FUNDAMENTALS** (3 CREDITS)  
  - F, S  

**TOTAL SPRING YEAR 2: 14 CREDITS**

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### Fall Year 3

- **MA3250** DIFFERENTIAL EQ (2 CREDITS)  
  - F, S, Su  

- **CH1150/1151** UNIV. CHEMISTRY I (3 CREDITS)  
  - F, S, Su  

**TOTAL FALL YEAR 3: 16 CREDITS**

### Spring Year 3

- **CE3360** WATER RESOURCES - ENG. PRACTICE (4 CREDITS)  
  - F, S, Su  

- **CH1150/1151** UNIV. CHEMISTRY I (3 CREDITS)  
  - F, S, Su  

**TOTAL SPRING YEAR 3: 17 CREDITS**

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### Fall Year 4

- **CE4502** WASTEWATER TREATMENT (3 CREDITS)  
  - F, S  

- **CH1150/1151** UNIV. CHEMISTRY I (3 CREDITS)  
  - F, S, Su  

**TOTAL FALL YEAR 4: 16 CREDITS**

### Spring Year 4

- **CE4504** AIR QUALITY (3 CREDITS)  
  - F, S  

**TOTAL SPRING YEAR 4: 14 CREDITS**

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**TOTAL ACAD. CREDITS: 131**  
**TOTAL CO-CURRICULAR UNITS: 3**

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**MICHIGAN TECH**  
**ENVIRONMENTAL ENGINEERING FLOWCHART**  
**ACADEMIC YEAR 2017-18**

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

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**Updated: 5/17/17**
### GENERAL EDUCATION REQUIREMENTS

**A. CORE COURSES (12 CREDITS)**
1. **UN1015 (COMPOSITION)**
2. **UN1025 (GLOBAL ISSUES)**
3. **CRITICAL AND CREATIVE THINKING (Goal 4)** *
4. **SOCIAL RESPONSIBILITY AND ETHICAL REASONING (Goal 8)** **

*GOAL 4 LIST**
- *FW3540* Intro to GIS for Natural Resource Mgmt
- CEE4511 Solid and Hazardous Waste Engineering
- CV7300 Global Biogeochemistry
- PH1200/2200 Physics
- SS3520 U.S. Environmental History
- SS630 Environmental Policy and Politics
- SU2000 Surveying & GIS Fundamentals

**GOAL 8 LIST**
- SS9000 Seminar in Earth, Planetary & Space

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**B. HASS COURSES (12 CREDITS) (General Ed Website, left)**

1. **COMMUNICATION/COMP (HASS LIST)**
2. **HU OR FA COURSE (HASS LIST)**
3. **SS OR EC OR PSY COURSE (HASS LIST)**
4. **ANY HASS OR HASS RESTRICTED COURSE (HASS LIST)**

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**UNDERGRADUATE CATALOG:** [http://www.mtu.edu/catalog/undergraduate/](http://www.mtu.edu/catalog/undergraduate/)

**GENERAL EDUCATION:** [http://www.mtu.edu/provost/academic-policies/general-education/](http://www.mtu.edu/provost/academic-policies/general-education/)

**CO-CURRICULAR LIST:** [http://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/](http://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/)

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**PROFESSIONAL ELECTIVES**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Title</th>
<th>Credits</th>
<th>Semester</th>
<th>Pre-reqs</th>
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<td>ACC2000</td>
<td>Accounting Principles I</td>
<td>3</td>
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<td>CEE3332</td>
<td>Fundamentals of Construction Engineering</td>
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<td>Sophomore Standing</td>
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<td>CEE4504 or CEE4501, SR</td>
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<td>Summer (Online)</td>
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<td>CEE4505</td>
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<td>Intro to Programming I</td>
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**NOTE:** OTHER COURSES MAY BE USED TO SATISFY THE PROFESSIONAL ELECTIVES REQUIREMENT IF APPROVED BY THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING ACADEMIC ADVISOR.

*FW3540 WILL BE OPEN TO FORESTRY MAJORS ONLY UNTIL THE INITIAL REGISTRATION PERIOD IS OVER

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**SENIOR DESIGN PREREQUISITES:**

**REQUIRED**
- CEE3501 OR CEE3503, CEE3502, AND CEE3620

**PLUS 4 OF THE FOLLOWING:**
- CEE3810/FW3330, CEE4502, CEE4504, CEE4506, GE3850