**Transportation Requirements**

Choose 1 course from the following

- CEE3202 STRUCTURAL ANALYSIS F, Sp 3 cr.
- CEE3503 ENVIRONMENTAL ENG. Sp 3 cr.
- CEE3620 WATER RESOURCES ENG F, Sp, Su 4 cr.

**TRANSPORTATION DESIGN COURSE** (Select 1)

- CEE4401 PAVEMENT DESIGN Fall 3 cr.
- CEE4407 TRANSPORTATION DESIGN Spring 4 cr.

**TRANSPORTATION ELECTIVES** (select 4)

- CEE4020 DIGITAL PROJECT DELIVERY Fall 3 cr.
- CEE4101 BITUMINOUS MATERIALS Fall 3 cr.
- CEE4333 ESTIMATING, PLAN., CONST. Spring 3 cr.
- CEE4344 CONSTRUCTION SCHEDULING Spring 3 cr.
- CEE4401 PAVEMENT DESIGN Fall 3 cr.
- CEE4402 TRAFFIC ENGINEERING Fall 3 cr.
- CEE4404 RAILROAD ENGINEERING Fall 3 cr.

*CEE4340 – 1 cr, fall/spring

**Senior Design (SD) Pre-reqs**

(complete 7 of the following)

- CEE3101, (CEE3202 or CEE3503 or CEE3620), CEE3331, CEE3332, CEE3401, CEE3810
- TRANSPORTATION DESIGN COURSE, & 2 TRANSPORTATION ELECTIVES

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**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

**Transportation Electives**

1. CEE3202 STRUCTURAL ANALYSIS
2. CEE3331 ENVIRONMENTAL ENG.
3. CEE3332 WATER RESOURCES ENG
4. CEE3401 TRANSPORTATION DESIGN COURSE
5. CEE3810 TRANSPORTATION ELECTIVES

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**Undergraduate Catalog**

https://www.mtu.edu/catalog/courses/

**General Education**

https://www.mtu.edu/registrar/faculty-staff/advisors/gen-ed/

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**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, BU, 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 and Environmental Engineering Academic Advisor.