BS CpE  
catalog year: 2016-2017

MA2320 & MA3520, full semester courses, may replace MA2321 & MA3521. Diff Eq is p-req to EE2112. Delays EE2112.

### Year 1

**Fall**
- MA1160 (4) or MA1161 (5) CALC I
- ENG1101(3) Eng Anal
- PH1100 (1) Physics Lab I
- CS1121(3) Intro to Programming I
- UN1015 (3) Composition
- 14.5 credits

**Spring**
- MA2160 (4) CALC II
- MA2321(2) Accel Linear Alg
- CS1122(3) Intro to Programming II
- CS1142 (3) Programming at His Interface
- PH2100 (3) Univ Physics I
- UN1025 (3) Global Issues
- 15.5 credits

### Year 2

**Fall**
- MA1160/1601
- MA2321(2) Discrete Structures
- CS2311 (3) Circuits II & Lab
- CS2321(3) Data Structures
- UA CR (5) or 1 cr tech elective
- 17.5 credits

**Spring**
- MA2160
- PH2100 (1) Physics Lab 2
- **PH2200(3)**
- CS2321(3) Structures
- MA2160
- CS1142
- CS2321
- 17.5 credits

### Year 3

**Fall**
- EE3113 (4) Engg. Statistics
- MA3710(3) Engg. Statistics
- CS3421(3) Comp. Org.
- EE3131(4) Electronics & Lab
- EE4173/CS4461 (3) Computer Networks
- **EE4901, ENT4910**
- 14.5 credits

**Spring**
- EE4173(4) H/S Integration
- CS4321(3) Introduction to Algorithms
- HASS Elect (3)
- HASS Elect (3)
- 15.5 credits

### Year 4

**Fall**
- EE4490(2) ECE Design I
- EE4491(2) ECE Design II
- ENT4950 & ENT4960 must be consecutive & same enterprise. ENT3950, ENT3960 may apply toward Technical Electives.
- ENT4950 & ENT4960 must be consecutive & same enterprise. ENT3950, ENT3960 may apply toward Technical Electives.
- 17 credits

**Spring**
- ENT4950(1) Enterprise route
- ENT4960(1) Enterprise route
- **ENT4950, ENT4960**
- 17 credits

### Total
- 128 credits

---

1) If considering BSEE or another Engineering major, consider taking U.Chem or Prep Chem in 1st sem. CH1150/51 = Math/Sci Elective 2nd discipline.
2) Technical Electives: Choose 12 or Technical Electives from approved list of CoP Technical Electives with Senior Design or 10 cr, with Enterprise for Design option.
3) Elective: Choose either CS3331 or EE3160. The other may be used for technical elective credits if desired.
4) STEM 2nd discipline course: Choose one course: CH1151/1151 or BL1040 or GE2000.
---

May take MEE4901 and MEE4911 for Spring-Fall Design project in lieu of EE4901 and EE4910.

A good time to co-op

A Decide: Enterprise or Senior Design or EPS

Look up pre-reqs and semester offerings of Technical Elective courses.

Undergraduate advisor: EERC 131. Call 487-2550 to schedule appt. tjhassel@mtu.edu

---

[Diagram of course flow and plan]