BS CpE  
catalog year: 2018-2019

**SAMPLE PLAN**

Calculus-ready students

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Co-hort courses</td>
<td>Co-hort courses</td>
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</table>

- MA1160 (4) or MA1161 (5)  
- CALC I

- MA2160 (4)  
- CALC II

- ENG1101(3)  
- Engnr Analysis

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**Year 2**

Fall

- Optional: Enterprise participation. Try if desired.

- EN1980(1)

- MA1160(4)

- CS1213(3)  
- Intro to Programming I

- MA2160  
- Calculus II

- MA2321(2)  
- Accel.Linear Alg

- EET111(1)  
- EEE 1.0 (Track-S)

- MA3521(2)  
- Accel Diff Eq

- EE2111 (3)  
- Electrical Circuits I

- EE2112 (4)  
- Circuits II & Lab

- MA3520/21  
- MA3521  
- MA1160/61

- CS2321(3)  
- Data Structures

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Spring

- Optional: Enterprise participation. Try if desired.

- EN2980(1)

- MA1160(4)

- CS2223(3)  
- Intro to Programming II

- CS2142(3)  
- Programming at H/S Interface

- MA2160  
- PH2100

- MA3710(3)  
- Engg. Statistics

- PH100  
- Phys 1 Workshop

- PH2100 (2)  
- Phys 1 Lab

- ***PH2200(3)  
- Univ. Physics 2

- UN1015 (3)  
- Composition

- UN1025 (3)  
- Global Issues

- UN1025C(1)  
- Co-Curr. Unit (.5)

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**Year 3**

Fall

- EN1980(1)

- MA1160(4)

- CS1213(3)  
- Intro to Programming I

- MA2160  
- Calculus II

- MA2321(2)  
- Accel.Linear Alg

- EET111(1)  
- EEE 1.0 (Track-S)

- MA3521(2)  
- Accel Diff Eq

- EE2111 (3)  
- Electrical Circuits I

- EE2112 (4)  
- Circuits II & Lab

- MA3520/21  
- MA3521  
- MA1160/61

- CS2321(3)  
- Data Structures

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Spring

- Optional: Enterprise participation. Try if desired.

- EN2980(1)

- MA1160(4)

- CS2223(3)  
- Intro to Programming II

- CS2142(3)  
- Programming at H/S Interface

- MA2160  
- PH2100

- MA3710(3)  
- Engg. Statistics

- PH100  
- Phys 1 Workshop

- PH2100 (2)  
- Phys 1 Lab

- ***PH2200(3)  
- Univ. Physics 2

- UN1015 (3)  
- Composition

- UN1025 (3)  
- Global Issues

- UN1025C(1)  
- Co-Curr. Unit (.5)

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**Year 4**

Fall

- EN1980(1)

- MA1160(4)

- CS1213(3)  
- Intro to Programming I

- MA2160  
- Calculus II

- MA2321(2)  
- Accel.Linear Alg

- EET111(1)  
- EEE 1.0 (Track-S)

- MA3521(2)  
- Accel Diff Eq

- EE2111 (3)  
- Electrical Circuits I

- EE2112 (4)  
- Circuits II & Lab

- MA3520/21  
- MA3521  
- MA1160/61

- CS2321(3)  
- Data Structures

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Spring

- Optional: Enterprise participation. Try if desired.

- EN2980(1)

- MA1160(4)

- CS2223(3)  
- Intro to Programming II

- CS2142(3)  
- Programming at H/S Interface

- MA2160  
- PH2100

- MA3710(3)  
- Engg. Statistics

- PH100  
- Phys 1 Workshop

- PH2100 (2)  
- Phys 1 Lab

- ***PH2200(3)  
- Univ. Physics 2

- UN1015 (3)  
- Composition

- UN1025 (3)  
- Global Issues

- UN1025C(1)  
- Co-Curr. Unit (.5)

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**Total 128**

- plus 3 units co-curricular activities

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1) If considering BSEE or another Engineering major.

- Consider taking U.Chem or Intro Chem in 1st yr. CH1150/51 = Math/Sci Elective

2) Technical Electives: Choose 12 cr Technical Electives from approved list of CpE Technical Electives

- w/ Senior Design or 10 cr. with Enterprise for Design option.

3) Sem 5: 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(recommended) or BL1040 or GE2000.

- Eligible Math/Sci electives: MA2600, MA2910, MA3000 or higher: BL1010 or higher; CH1150 or higher; PH2300 or higher

- HASS electives: 6 credits must be upper division 3000-4000 level - UN1015 and UN1025 are prerequisites for all upper division HASS courses.

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