Consider taking MA2160 and EE1110 in first summer.

**SAMPLE PLAN**

<table>
<thead>
<tr>
<th>Pre-Caculus-students</th>
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<td>BS EE MA1032 2016-2017 catalog term 201608</td>
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### Co-hort courses
- **MA1032 (4)** Precalculus
- **MA1161 (5)** Calculus I
- **MA2160 (4)** Accelerated. Linear Alg Track A
- **EE1111 (1)** Intro to ECE (Track B)
- **EE1110 (1)** Essential Math (track A)
- **EE2160 (3)** Electric Circuits I
- **EE3160 (3)** Signals & Systems
- **EE3171 (4)** Microcontroller Appls and Lab
- **EE3261 (3)** Control Systems

### Fall only
- **EE2112 (4)** Electric Circuits II & Lab
- **EE3140 (3)** Electromagnetics
- **EE3174(4)** Digital Logic & Lab
- **PH1200 (1)** Physics II Lab

### Optional: Enterprise participation
- **ENT1960(1)**
- **ENT2960(1)**

### May take MA2320, delay MA3520 & EE2112
- MA2160
- MA3521
- EE2112

### Fall only
- Select Approved Elec (3)
- EE Elective (3)
- EE Elective (3)

### Upper level language course may replace UN1025
- CH1150/51 (4) &/or CH1153 (1) Univ Chem I
- HU3

### HASS
- **HASS Comm/Composition**
- **HASS EC, PSY, SS**
- **HU, FA**

### Total 133
- 18
- 15.5
- 16
- 17.5
- 16.5
- 17.5
- 17.5

**Recommended HASS:** EC3400

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**GRADUATION Checklist:**
1. Apply to graduate 1 or 2 semesters before your last one. Date:
2. FINAL degree audit review: Meet with the advisor at the end of the semester before your last, after scheduling last set of classes and reviewing your degree audit report:
   - Final Audit Date:
   - Advisor check:

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

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* Schedule a minimum of 14 credits if taking accelerated Linear Alg/Diff Eq

1) 2) 3) 4) 5) See reverse side for planning info and General Education worksheet.

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* Concurrent prerequisite (a prereq. that can be taken concurrently)

Study Abroad Info
- Tue 11am or Thur 2pm Admin bldg 200

Attend Feb. Career Fair: Semester 5 is a good time to co-op or study abroad.

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Sample credit hours:
- Sem. 1- Fall: 16
- Sem. 2- Spring: 17.5
- Sem. 3- Fall: 17.5
- Sem. 4- Spring: 18
- Sem. 5- Fall: 17.5
- Sem. 6- Spring: 17.5
- Sem. 7- Fall: 16.5
- Sem. 8- Spring: 17.5

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* MA1032, MA2160 & EE1110: take in same enterprise & consecutive semesters.
Choose correct courses each semester. Run and review your online Degree Audit each time you add, drop or switch courses and before each semester begins. Run, Run, wait, then click blue link.

Lists of electives and required courses are included in your online degree audit report. It is your responsibility to choose correct courses.

1) Choose one course from each list for General Education requirements: View lists online or in your degree audit report.

   Critical & Creative Thinking list: FA2330, FA2520, FA2720, FA2820, HU2130, HU2501, HU2503, HU2538, HU2700, HU2820, HU2910, SS2300, TA9004L

   Social responsibility & Ethical Reasoning list: EC2001, PSY2000, SS2100, SS2200, SS2400, SS2500, SS2501, SS2502, SS2503, SS2504, SS2505, SS2600, SS2610, SS2700, TA9008L

   HASS lists: at least 6 credits must be at Upper Level 3000-4999.

   HASS Composition/Communication: HU2810, HU2830, HU3015, HU3120, HU3151, HU3693, HU3694, HU3832, HU4628, HU9305L, HU9305U

   HASS Social and Behavioral Science (EC/PSY/SS) choice: ___________

   HASS Humanities and Fine Arts (HU/FA) choice: _____________ Upper level if needed.

   HASS any list: __________________ Upper level if needed.

2) Select Approved Elective course list: choose one course

   EE/EET3373, ENG2120, ENG3200, ENG4510, MEEM2110, MEEM2150, MEEM2201, MEEM2700, MY2100, MY4292, PH2300, PH2400, PH3300 (not required for biomedical or environmental applications concentrations)

3) Remaining Approved Electives: refer to your degree audit for list of valid courses. Ex: Engineering, Math, CS, Physics, Chem. Pass/fail courses do not count.

4) **EE Electives: 15 credits (3-12 cr. w/concentration) of EE lecture/lab coursework. Excludes research, pass/fail, project, co-op, or independent study credits. Look for semester offerings in the online Schedule of Classes. Look for prerequisite and other course information by clicking the CRN, or in the online Course Descriptions. EE elective courses are offered once per year, or in alternating years (ex. EE4240, EE5223, EE5250). Check online Course Descriptions and the Schedule of Classes for the most up-to-date course information.

5) ****Engineering Design Requirements: 4 – 6 credits

   Option 1: “Senior Design”, 4 credits, is the year-long company sponsored project team. EE4901(2) and EE4910(2) taken in fall-spring, or MEEM4901(2) and MEEM4911(2) taken in spring-fall or fall-spring. May use EPS-European Project Semester for Design Option 1, which includes EE3901 credit.

   Option 2: “Enterprise” – 6 credits, 4 semesters of project work beginning at the point in time when you have 4 semesters left on campus: ENT3950(1), ENT3960(1), ENT4950(2) and ENT4960(2). Reduces “Approved Electives” by 2 credits if applicable. ENT1960, ENT2950, and ENT2960 may not count in engineering design, but may be used in approved or free electives.

6) Free Elective: a good use of Free Elective: CH1153, MA1161 5th credit, Enterprise 2000-level project work, or excess transfer credits. Cannot use co-curricular activities.

**Concentration Electives:** See your Degree Audit Report in Banweb for list of valid electives with a concentration, or see the Degree Services .pdf audit for the BSEE with a concentration you are interested in: [http://www.mtu.edu/registrar/students/major-degree/audit/engineering/](http://www.mtu.edu/registrar/students/major-degree/audit/engineering/) A concentration is not required.