## Electrical Engineering at Michigan Tech

### BS EE 2015-2016 Catalog Term 201508

####SAMPLE PLAN

**Look up pre-requisite, co-requisite, semester offerings, course requirements and restrictions in the course catalog and Schedule of Classes.**

**Grading System:**
- F (Incomplete)
- S (Satisfactory)
- C (Credit)
- P (Pass)
- U (Unsatisfactory)

**Semester Schedule:**
- **Sem. 1:** Fall (calculus-ready students)
- **Sem. 2:** Spring
- **Sem. 3:** Fall
- **Sem. 4:** Spring
- **Sem. 5:** Fall
- **Sem. 6:** Spring
- **Sem. 7:** Fall
- **Sem. 8:** Spring

**Co-hort Courses:**
- **MA1160/61 (4)** Calculus I
- **PH1100 (1)** Physics I Lab
- **ENG1101(3)** Engr Analysis
- **CH1150/51 (4)** & for CH1153 (1) Univ Chem I
- **15/16**
- **16.5**

**Optional: Enterprise participation**

**EE3131**

- **EE1110 (1)** Essential Math (track A)
- **EE1111 (1)** Intro to ECE (Track B)
- **CS1111 (3)** Intro C/C++ Programming
- **PH1200 (1)** Physics II Lab
- **PH2200 (3)** Univ. Physics 2
- **MA2161/60**
- **ENG1102 (3)** Model & Design
- **CH1153**

**EE3901**

- **PH2100 (3)** Physics I
- **CS1111 (3)**
- **CH1150/51**
- **UN1015 (3)** Composition
- **ENG1102 (3)**
- **PH2200 (3)**
- **CS1111 (3)**
- **PH2200 (3)**
- **EE2174(4)** Digital Logic & Lab
- **EE2111 (3)** Electric Circuits I
- **EE2112 (4)** Multi-Variable Calculus
- **EE2112 (4)**
- **MA2321/20 MA3521/20**
- **EE3120 (3)**
- **EE3140 (3)**
- **EE3160 (3)**
- **EE3180 (3)**
- **EE3250 (3)**
- **EE3261 (3)**
- **EE3380 (3)**
- **EE3480 (3)**
- **EE3580 (3)**
- **EE3680 (3)**
- **EE3780 (3)**
- **EE3880 (3)**
- **EE3980 (3)**
- **EE4910 (2)**
- **EE4920 (2)**
- **EE4930 (2)**
- **EE4940 (2)**
- **EE4950 (2)**

**EE Electives: Must have pre-reqs complete. Look up pre-reqs and semester offerings. See note below.**

**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: _____________

**Total 128**

**Plus 3 units co-curricular activities**

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**Undergraduate advisor:**
- EERC 131. Call 487-2550 to schedule appt. eceadvice@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.
Run and review your online Degree Audit each time you add, drop or switch courses and before each semester begins.
Bannweb – Student Records – Degree Audit (Do not select from pull-downs, just 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 Goal 4 and Goal 8 and 2nd Composition/Communication course: (fill in chart below)
   - **Goal 4** (critical/creative thinking): FA2330, FA2520, FA2720, FA2820, HU2130, HU2503, HU2504, HU2538, HU2700, HU2820, HU2910, SS2300
   - **Goal 8** (social resp./ethical): EC2001, PSY2000, SS2100, SS2200, SS2400, SS2500, SS2501, SS2502, SS2503, SS2504, SS2505, SS2600, SS2610, SS2700
   - 2nd Composition/Communication: HU2810, HU2830, HU3015, HU3832, HU4628, HU4693, HU4694

2) SELECT Approved Elective course list: choose one course
   - EET3373, ENG2120, ENG3200, ENG4510, MEEM2110, MEEM1250, MEEM2200, MEEM2700, MEEM3210, MEEM3220, MY2100, MY3292, 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 pre-requisite 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 (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.

   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.

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**General Education** worksheet: UN1015 UN1025/_________ Goal 4:_________ Goal 8:_________

2nd Comm/Composition choice: __________
HASS EC/PSY/SS choice: __________
HASS HU/FA choice: __________
HASS any or HASS restricted: __________

6 or more credits must be upper-level; 3000 and higher.

Run your online degree audit.
ENSURE you choose correct courses.
This is YOUR responsibility.

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Academic year: 2015-2016 May 7, 2015