

SO / JR Checklist:

Prepare for year 2016-2017

Students using
Catalog Year
2014 – 2015
or earlier

- Take EE3250 after completing EE3180. Adjust your Academic Plan and flowchart.
- Following the flowchart will have the least chance of time conflicts.
- Know your choices of “EE Electives”? Approved Electives? SELECT Approved Elective?
- What are focus areas and concentrations? (both are optional)
- Senior Design, Enterprise or EPS? _____ (one is required)
- Pursue a minor? No / Yes _____
- Certificate? No / Yes _____ If yes, sign up before end of April 2016. Phasing out certificates.
- Pursue the Electric Power Engineering Certificate? If yes, Sign up by end of April 2016. See Judy.
- Co-op? or summer internship? Highly recommended. Co-op Office is Admin 220
 - Create resume, upload to Career Services Handshake database
 - Attend career fairs and company info sessions
- Study abroad? Visit Admin 200 on a Tues 11am or Thurs 2pm.
- Notify transfer@mtu.edu if you are taking a course elsewhere in summer that is a prerequisite for a class you need in fall. (may delay registration of fall course until Transfer Office processes your notice)
- Identify plans to improve your GPA's if needed/desired.
- Know your Degree Audit – run degree audit before and after scheduling classes.
- Ensure your general education course choices are applicable to degree requirements. (run degree audit report)
- When will I graduate? _____ Create or update your Academic Plan.
- Learn about and consider the Accelerated Master's degree. _____

Need an advising appointment? Call (906) 487-2550 or go to EERC 121 (ECE Office).

BSEE CONCENTRATIONS

If you are considering a [concentration](#):

- Enterprise**
 - Take ENT2961 Fall and ENT2962 in Spring.
 - Choose Enterprise project work for your Engineering Design Option. Take ENT3950 in Sem.
- Photonics**
 - Complete PH2200, EE2112, MA3160 and (MA3520 or MA3521) in 2nd year
 - Take EE3090 in fall

NEW Concentrations: requires change in catalog year and following the new General Education Requirements:

- Biomedical Applications** **New for 2015-2016**
 - Take BL2010 and BE2400 in Fall 2016; Take BL2020 in Spring 2017.
 - Can delay one year
- Environmental Applications** **New for 2015-2016**
 - Take ENVE3501 in Fall and ENVE3502 in Spring
- Electric Power Engineering** – **New for 2016-2017**
 - Change catalog year to 2016-2017 (do this in Fall 2016 or later)
 - Take EE3120 in semester 4, 5 or 6.

USE A CURRICULUM ADD/DROP [FORM](#) TO OFFICIALLY ADD A CONCENTRATION – MEET WITH JUDY

ENTERPRISE ENROLLMENT

ECE Department Enterprises:

- BMSE – Blue Marble Security **L02** Dr. Glen Archer EERC 629
- HEV - Hybrid Electric Vehicle **L04** Bob Page MEEM 604 and John Lukowski EERC 233
- RSE – Robotic Systems **L15** Dr. Glen Archer EERC 629
- WCE – Wireless Communication **L03** Kit Cischke EERC 520

Other Departments: Aerospace Dr. Brad King MEEM 1014) [NO signature needed to register](#)
 Advanced Metalworks Russell Stein M&M 202
 Formula SAE Dr. James DeClerck MEEM 927
 Supermileage Vehicle Rick Berkey M&M 722
 Innovative Global Solutions Dr. Warrington M&M 722
 Open Source Hardware Dr. Joshua Pearce M&M 504
 SENSE – Naval Systems Dr. Andrew Barnard MEEM 930
 Many more...<http://www.mtu.edu/enterprise/teams/all/>

[Review](#) the [Enterprise Enrollment Guide](#) (at the ECE Advising Page)

The ENT course number depends on # semesters you have remaining at Tech.

Guide: Join *ENT3950* when you have 4 semesters left on campus

Join *ENT2960* when you have 5 semesters left

If you have 3 semesters left, there is a special option. Meet with Judy for details and begin in ENT3960.

View the 'Schedule Of Classes' to get section number, CRN, and enterprise advisor (instructor name on SOC)

Engineering Design Options: (listed in your degree audit)

[Choose one option](#) to meet your engineering design requirements.

Option 1 "Senior Design" Path: 4 credits

(EE4901(2) and EE4910(2)) or EPS – European Project Semester
 or (MEEM4901(2) and MEEM4910(2))

Option 2 "Enterprise" Path: 6 credits

ENT3950(1), ENT3960(1), ENT4950(2), and ENT4960(2)

Four semesters of enterprise project work in the enterprise of your choice – Junior and senior levels. (or last 4 semesters at Tech). ENT19xx and ENT29xx project work cannot count toward Engineering Design Requirements. "Approved Electives" area is reduced by two credits with the Enterprise option for ENT3950 and ENT3960.

EE4901, ENT4950 and MEEM4901 Prerequisites:

EE3901 and EE3131; EE3171 or EE3173 must completed prior to EE4910, ENT4960 or MEEM4911.