SO / JR Checklist:

Prepare for year 2016-2017

- 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/](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.