ECE Advising : Handy Links

Run your Interactive Degree Audit Report (in Banweb)

Prepare for Registration (Schedule of Classes and other helps)

Approval / Waiver Forms (for registration approvals)

First-Year Permission to Drop/Add Courses form

General Education: Core and HASS, and Co-curricular lists

ECE undergraduate advising pages and Advising Blog

ECE’s ITC Learning Center (EERC 123)

MLC – Mathematics Learning Center

Degree Audits (for majors, majors w/ concentrations)

Minors (find minor requirements, audit forms)

Student Success Center

Co-op information

Huskies Study Abroad

Enterprise Program Information (join a project team)

Counseling and Wellness services (appointments and workshops)

Dean of Students Office

University Academic Policies
## Major Requirements: 101 Credits

### Core Requirements: 48 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 1111</td>
<td>3</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 2111</td>
<td>3</td>
<td>M, R, P, WVD, SUB*</td>
</tr>
<tr>
<td>EE 2112</td>
<td>4</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 2174</td>
<td>4</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 3120</td>
<td>3</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 3131</td>
<td>4</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 3140</td>
<td>3</td>
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</tr>
<tr>
<td>EE 3160</td>
<td>3</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 3171</td>
<td>4</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 3180</td>
<td>3</td>
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</tr>
<tr>
<td>EE 3261</td>
<td>3</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 3901</td>
<td>2</td>
<td>M, R, P</td>
</tr>
<tr>
<td>EE 4250</td>
<td>3</td>
<td>M, R, P</td>
</tr>
<tr>
<td>ENG 1101 or</td>
<td>3/4</td>
<td>M, R, P</td>
</tr>
<tr>
<td>ENG 1001 and</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 1100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 1102</td>
<td>3</td>
<td>M, R, P</td>
</tr>
</tbody>
</table>

### Math and Science: 28 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 1150</td>
<td>3</td>
</tr>
<tr>
<td>CH 1151</td>
<td>1</td>
</tr>
<tr>
<td>MA 1160 or MA</td>
<td>4/5</td>
</tr>
<tr>
<td>MA 2160</td>
<td>4</td>
</tr>
<tr>
<td>MA 2321</td>
<td>2</td>
</tr>
<tr>
<td>MA 3160</td>
<td>4</td>
</tr>
<tr>
<td>MA 3521</td>
<td>2</td>
</tr>
<tr>
<td>PH 1100</td>
<td>1</td>
</tr>
<tr>
<td>PH 1200</td>
<td>1</td>
</tr>
<tr>
<td>PH 2100</td>
<td>3</td>
</tr>
<tr>
<td>PH 2200</td>
<td>3</td>
</tr>
</tbody>
</table>

### EE Technical Electives: 15 Credits

Any EE course except CS1000, EE3010, EE3173, EE4000, EE4805, EE4901, EE4910 and those listed in major requirements. No more than 6 credits of EE2000-EE2999. Department approval required for EEnXXe.

**SELECT Approved Elective - choose one course**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BE2400, BL2010, CS1114, CEE3501, CEE3502 EE3373, ENG2120, ENG3200, ENG4510, MEEM2110, MEEM2150, MEEM2201, MEEM2700, MEEM3210, MEEM3220, MY2100, MY4292, PH2300, PH2400, PH3300</td>
<td>3</td>
</tr>
</tbody>
</table>

### Approved Electives: Choose at least 3 credits from the list below

List of Approved Electives:

- BL1100-BL1999, BL2000-BL2999, BL3000-BL3999, BL4000-BL4999,
- CH1152-CH1999, CH2000-CH2999, CH3000-CH3999, CH4000-CH4999,
- CM1000-CM1999, CM2000-CM2999, CM3000-CM3999, CM4000-CM4999,
- EE1112-EE1999, EE2000-EE2999, EE3000-EE3999, EE4000-EE4999,
- ENG2000-ENG2999, ENG3000-ENG3999, ENG4000-ENG4999,
- MA2600, MA2910-MA2999, MA3000-MA3999, MA4000-MA4999,
- PH1090, PH1091, PH1600, PH1610, PH2300-PH2999, PH3000-PH3999,
- PH4000-PH4999, BE1000-BE1999, BE2000-BE2999, BE3000, BE3999,
- BE4000-BE4999, CEE1000-CEE1999, CEE2000-CEE2999, CEE3000-CEE3999,
- CEE4000-CEE4999, CS1001-CS1999, CS2000-CS2999, CS3000-CS3999,
- CS4000-CS4999, ENT1000-ENT1999, ENT2000-ENT2999,
- ENT3000-ENT3999, ENT4000-ENT4999, GE1000-GE1999, GE2000-GF2999,
- GE3000-GE3999, GE4000-GE4999, MEEM2000-MEEM2999, MEEM3000-MEEM3999, MEEM4000-MEEM4999, MEE1000-MEE1999, MEE2000-MEE2999, MEE3000-MEE3999, MEE4000-MEE4999, UN4000, UN3002-UN3005.

### Engineering Design: 6 credits

- ENT3950, ENT3960, ENT4950 and ENT4960 or
- ENT3960, ENT4950, ENT4960 and ENT module from following:
  - ENT2961, ENT2962, ENT3959, ENT3963, ENT3966, ENT3967,
  - ENT3971, ENT3982, ENT3983, ENT4951

### Credit Subtotal

- 1

---

**Senior Design Path: 7 Credits**

Select 4 credits of approved design from the following:

- (EE 4901 and EE 4910) or (MEEM 4901 and MEEM 4911)

### Approved Electives: Choose at least 3 credits from the list below

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT3950</td>
<td>1</td>
</tr>
<tr>
<td>ENT3960</td>
<td>1</td>
</tr>
<tr>
<td>ENT4950</td>
<td>2</td>
</tr>
<tr>
<td>ENT4960</td>
<td>2</td>
</tr>
</tbody>
</table>

### Enterprise Design Path: 7 Credits

**Engineering Design: 6 credits**

- ENT3950, ENT3960, ENT4950 and ENT4960 or
- ENT3960, ENT4950, ENT4960 and ENT module from following:
  - ENT2961, ENT2962, ENT3959, ENT3963, ENT3966, ENT3967,
  - ENT3971, ENT3982, ENT3983, ENT4951

### Credit Subtotal

- 1

---

**List of Approved Electives**

- BL1100-BL1999, BL2000-BL2999, BL3000-BL3999, BL4000-BL4999,
- CH1152-CH1999, CH2000-CH2999, CH3000-CH3999, CH4000-CH4999,
- CM1000-CM1999, CM2000-CM2999, CM3000-CM3999, CM4000-CM4999,
- EE1112-EE1999, EE2000-EE2999, EE3000-EE3999, EE4000-EE4999,
- ENG2000-ENG2999, ENG3000-ENG3999, ENG4000-ENG4999,
- MA2600, MA2910-MA2999, MA3000-MA3999, MA4000-MA4999,
- PH1090, PH1091, PH1600, PH1610, PH2300-PH2999, PH3000-PH3999,
- PH4000-PH4999, BE1000-BE1999, BE2000-BE2999, BE3000, BE3999,
- BE4000-BE4999, CEE1000-CEE1999, CEE2000-CEE2999, CEE3000-CEE3999,
- CEE4000-CEE4999, CS1001-CS1999, CS2000-CS2999, CS3000-CS3999,
- CS4000-CS4999, ENT1000-ENT1999, ENT2000-ENT2999,
- ENT3000-ENT3999, ENT4000-ENT4999, GE1000-GE1999, GE2000-GF2999,
- GE3000-GE3999, GE4000-GE4999, MEEM2000-MEEM2999, MEEM3000-MEEM3999, MEEM4000-MEEM4999, MEE1000-MEE1999, MEE2000-MEE2999, MEE3000-MEE3999, MEE4000-MEE4999, UN4000, UN3002-UN3005.

### The following courses are not allowed:

- BE2700, BE4770, BL1580, BL1590, BL1710, BL1800, BL3970, BL3990, CM3410, CS4431, EE3116, ENG2060, ENG3060, ENG3530, ENG3990, ENG4070, ENG4300, ENG4900, ENG4905, ENG4910, ENG4990, ENT3958, ENT3964, MA3720, MA3750, MA3811, MA3990, MA4810, MA4820, MA4900, MA4905, MA4945
## General Education Requirements: 24 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M, R, P, WVD, SUB*</td>
<td></td>
</tr>
</tbody>
</table>

Courses used to complete General Education may not be used to complete other degree requirements.

### Core: 12 Credits

- **UN 1015**: 3 credits
- **UN 1025 or upper level modern language**: 3 credits
- **Critical and Creative Thinking**: 3 credits
- **Social Responsibility and Ethical Reasoning**: 3 credits

### HASS: 12 Credits

- Students must complete 12 credits of HASS course work
- Six of the 12 credits must be at the 3000- or 4000- level*
- At least three credits each in the following: Communication/Comp, Humanities and Fine Arts, and Social & Behavioral Sciences.
- No more than three credits may come from the Restricted List

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication/Composition</td>
<td>3</td>
</tr>
<tr>
<td>Humanities and Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>3</td>
</tr>
<tr>
<td>Course from any list above or Restricted List</td>
<td>0-3</td>
</tr>
</tbody>
</table>

*an upper division language course in place of UN1025 does not meet this requirement.

## Free Electives: 3 Credits

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Course Status Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M, R, P, WVD, SUB*</td>
</tr>
</tbody>
</table>

### Advisor Use Only

<table>
<thead>
<tr>
<th>Total Credits Required</th>
<th>128</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Credits Completed</td>
<td></td>
</tr>
<tr>
<td>Total Credits Needed</td>
<td></td>
</tr>
</tbody>
</table>

*M-Passed with valid grade, transfer, or Advance Placement credit; Registered in course; Plan to take in future, WVD-Waived course or credit (does not reduce total degree credits required), SUB-Petitioned as substitute course.

---

**Student Signature**  
**Date**  
**Departmental Approval**  
**Date**

EEEUG AY2020/21 2
Michigan Tech Advising Syllabus

Mission: Advisors and students working together to develop an individualized academic plan for accomplishing student goals

Definition of Advising
Academic Advising is a relationship and a process that results in benefits for student, advisor, and university as a whole. The advisor and student collaborate to develop, follow, and complete an academic plan. A productive advising relationship will help students envision, foster, and realize their goals here at Michigan Tech and for a lifetime.

Student Learning Outcomes
- Knowledge of university student learning goals and degree requirements
- A thorough understanding of your academic plan
- Ability to find and use advising resources
- Increased and improved self-awareness and decision-making skills

Student Responsibilities (What you should do)
- Take responsibility for academic planning
- Understand learning goals and degree requirements
- Follow academic procedures and policies
- Communicate with your advisor: read all advising correspondence
- Attend advising meetings prepared
- Apply advising recommendations in order to achieve your academic plan
- Seek assistance from instructors, learning centers, and other university services
- Contact your advisor promptly when you have questions or concerns
  - When faced with a difficult question or challenging situation, your academic advisor is always a good place to begin
- Problem-solve to revise and achieve your academic plan

Activities (How advisors and students realize outcomes and goals)
- Identify a degree program that aligns with your academic interests and abilities
- Create an educational plan that fulfills the academic plan
- Select appropriate classes to satisfy your evolving goals
- Learn the benefits of internships, co-ops, and study abroad
- Explore academic options: Enterprise program, undergraduate research, Pavlis Honors College, dual majors, secondary degrees, minors, and graduate study
- Locate and use resources and services
- Interpret university requirements, policies, regulations, and procedures
- Develop decision-making skills, self-awareness, and self-direction
- Clarify and evaluate progress toward academic and life goals

Advisors advocate for students, protect and ensure their privacy and their rights as advisees in compliance with University policies
- [www.mtu.edu/deanofstudents/students/disability/policy/](http://www.mtu.edu/deanofstudents/students/disability/policy/)
- [www.mtu.edu/registrar/faculty-staff/ferpa/](http://www.mtu.edu/registrar/faculty-staff/ferpa/)
- [www.mtu.edu/registrar/students/advising/](http://www.mtu.edu/registrar/students/advising/)

September 2018
## Student Academic Advising Checklist

### Orientation

**Week preparing for your first semester**
- Login to MyMichiganTech and review your transcript
  - Are AP credit and transfer credits correct?
- Meet academic advisor
- Complete class registration and print class schedule
- Explore Campus Resources and visit these websites
  - Your department and advisor
  - Undergraduate Catalog - [www.mtu.edu/catalog/](http://www.mtu.edu/catalog/)
  - Dean of Students - [www.mtu.edu/deanofstudents/](http://www.mtu.edu/deanofstudents/)
  - Registrar - [www.mtu.edu/registrar/](http://www.mtu.edu/registrar/)
  - Advising - [www.mtu.edu/registrar/students/advising/](http://www.mtu.edu/registrar/students/advising/)
  - Library - [www.mtu.edu/library/](http://www.mtu.edu/library/) - take a library tour
  - Wellness and Counseling - [www.mtu.edu/counseling/](http://www.mtu.edu/counseling/)

### Year 1

**transitioning and adjusting to college life**
- Attend first year advising meeting with your major advisor
  - What to do if you are unsure about your major, meet with
    - General sciences/arts undeclared advisor: [www.mtu.edu/sciences-arts/undergraduate/gsa/](http://www.mtu.edu/sciences-arts/undergraduate/gsa/)
    - General/undeclared engineering advisor: [www.mtu.edu/ef/degree/advising/](http://www.mtu.edu/ef/degree/advising/)
- Review major requirements
  - Run interactive audit each semester after registration - [www.mymichigantech.mtu.edu](http://www.mymichigantech.mtu.edu)
- Review Academic Policies and Academic Integrity - [www.mtu.edu/deanofstudents/](http://www.mtu.edu/deanofstudents/)
- Review University Student Learning Goals and your major’s learning goals - [www.mtu.edu/learning-goals](http://www.mtu.edu/learning-goals)
- Visit Career Services - [www.mtu.edu/career/](http://www.mtu.edu/career/)
  - Go to Career Cruising ‘Explore my Interests’ - [www.mtu.edu/career/students/advising/career-cruising/](http://www.mtu.edu/career/students/advising/career-cruising/)
- Create a resume and attend career fairs
- Begin to explore Pavlis Honors College, internship, co-op, research, study abroad, minors
- Learn about campus activities and student organizations - [www.involvement.mtu.edu/organizations](http://www.involvement.mtu.edu/organizations)

### Year 2

**academic exploration and personal development**
- Meet with advisor, bring your academic plan
- Run interactive audit each semester after registration - [www.mymichigantech.mtu.edu](http://www.mymichigantech.mtu.edu)
- Explore interests, strengths, and careers
  - Within your department & network with faculty in your major
  - Career Services - [www.mtu.edu/career](http://www.mtu.edu/career)
- Update your resume and attend career fairs
- Explore/Participate Pavlis Honors College, internship, co-op, research, study abroad, minors
- Consider joining an Enterprise - [www.mtu.edu/enterprise/](http://www.mtu.edu/enterprise/)

### Year 3

**academic enhancement and career goal setting**
- Run interactive audit each semester after registration - [www.mymichigantech.mtu.edu](http://www.mymichigantech.mtu.edu)
- Meet with advisor to prepare for graduation
- Network with faculty in your major
- Attend Career Services and Graduate School workshops for career planning
  - Consider Accelerated Masters - [www.mtu.edu/accelerated/](http://www.mtu.edu/accelerated/)
  - Consider Senior Rule Classes - [www.mtu.edu/registrar/students/registration/policies/senior-rule/](http://www.mtu.edu/registrar/students/registration/policies/senior-rule/)
- Develop career goals
- Explore/Participate Pavlis Honors College, internship, co-op, research, study abroad, minors
- Consider Accelerated Masters - [www.mtu.edu/accelerated/](http://www.mtu.edu/accelerated/)
- Consider Senior Rule Classes - [www.mtu.edu/registrar/students/registration/policies/senior-rule/](http://www.mtu.edu/registrar/students/registration/policies/senior-rule/)
- Update resume and attend career fairs

### Final

**transitioning out of college into career or graduate school**
- Apply for graduation by 10th week of the semester prior to graduation
  - Must have earned 90 credits or more - [www.mtu.edu/registrar/students/graduation/degree/](http://www.mtu.edu/registrar/students/graduation/degree/)
- Meet with advisor for final degree audit one semester before graduation
  - Run interactive audit each semester after registration - [www.mymichigantech.mtu.edu](http://www.mymichigantech.mtu.edu)
- Network with faculty in your major
- Finalize career/graduate school plans
  - Complete the First Destination survey - [https://mtu.joinhandshake.com/login](https://mtu.joinhandshake.com/login)
  - Complete Loan Exit Counseling for Financial Aid, if needed - 906-487-2662
- Graduation
  - Check for your name on the Graduation Candidate List - [www.mtu.edu/commencement/](http://www.mtu.edu/commencement/)
  - Order cap and gown, honor cords - Optional - [www.mtu.edu/commencement/](http://www.mtu.edu/commencement/)
  - Participate in commencement ceremony - Optional

***When faced with a difficult question or challenging situation, your academic advisor is always a good place to begin***