FIRST-YEAR STUDENT HANDBOOK
2019-2020
MICHIGAN ENGINEERING
UNIVERSITY OF MICHIGAN
WELCOME, FIRST-YEAR STUDENTS 2019

The Engineering Advising Center (EAC) welcomes you to the University of Michigan College of Engineering (CoE). This First-Year Student Handbook presents information on subjects of immediate concern to you as a new student in the College. Please read all of the Handbook carefully and keep it in a place where it will be readily available as a reference.
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#UMICHENGIN23

GET READY FOR ONE HAIL OF A RIDE!

Walking robots, hackathons, solar cars and 3D labs...to name a few. By now you know that amazing things happen on North Campus. Stay up-to-date on everything happening, and be part of the conversation.

MICHIGAN.ENGINEERING
UMENGINEERING
MICHIGANENGINEERING

Ask questions and share the cool, inspiring and unexpected stuff you see during your first semester! Please tag your pics, tweets and updates with #UmichEngin23—your official class hashtag.
Welcome to the University of Michigan's College of Engineering! You are starting this journey at a time in which the world needs you—and the engineer you will become—more than ever. We are faced with challenging problems that are global in scope, including the environment, energy, transportation, and health care. Solving problems in these areas requires the exceptional technical knowledge and skill that Michigan engineers bring.

To fulfill the promise of leadership, you must go well beyond the technical. You will need to develop an innovative and creative spirit and an entrepreneurial mindset, designing solutions that exhibit environmental and social responsibility. You will need to collaborate and communicate across many disciplines, working with people from diverse cultures across the globe.

To prepare for this, you will have the extraordinary opportunity to #PracticeYourPurpose through Michigan Engineering Immersed, a collection of carefully-designed experiential learning opportunities based on the belief that innovation is born out of exploration. Discover your passions not only through your studies, but also through the many co-curricular opportunities that enrich our community: take on an internship, pursue your entrepreneurial aspiration, engage in our multidisciplinary design program, or travel abroad. Immersed experiences provide a path for Michigan students to become the engineers who can step into the future with the confidence, collaborative spirit, and socially conscious minds needed to change the world. Watch for more information this fall as we launch Immersed.

Over 1,400 other engineering students, each unique and in some way exceptional, are starting their educational careers with you. They are a great resource, as are the other students, faculty, and staff already here. Your Michigan experience will challenge you, and you will go through emotional highs and lows. Your success in engineering is dependent on your relationships and interactions with those around you. Our engineering faculty and staff are here at Michigan because they love what they do. Be sure to take full advantage of these amazing people!

While at Michigan, you will come up against things that at first seem insurmountable. Much to your surprise—but not to ours—you will discover new ways to serve the common good through solutions that not only push the bounds of what is possible, but are a ton of fun as well!

Welcome to Michigan, and Go Blue!

Joanna M. Millunchick
Associate Dean for Undergraduate Education
Arthur F. Thurnau Professor of Materials Science and Engineering
FIRST-YEAR OVERVIEW

Summer

- Complete Pre-Orientation Checklist
- Attend Orientation
- Register for fall term
- Become familiar with CoE curriculum and CoE Bulletin
- Create Maize Pages account
- Make sure your AP/IB/A-Level scores have been sent
- Activate Engineering Careers by Simplicity account and create profile
- Read Common Reading Experience book

Fall Term

- Attend engIN
- Attend Career Fair #1 (meet with ECRC for Resume Review prior to this)
- Attend EAC Majors/Minors Fair
- Common Reading Experience discussions
- Visit IPE to discuss global opportunities
- Attend Design Expo
- Attend EAC Majors/Minors Fair
- Meet with academic advisor
- Join a student organization (attend Welcome Week activities and search Maize Pages for ideas)
- Attend Career Fair #2
- Begin exploring engineering majors and minors (EAC & Program Advisors)
- Attend Career Fair #2
- Meet with academic advisor
- Attend Career Fair #3
- Become familiar with academic resources and student services (i.e., attend Northfest, join study group, office hours, ELC)
- Attend Design Expo
- Attend Design Expo

Winter Term

- Attend IPE’s Study Abroad Fair
- Attend Career Fair #2
- Meet with academic advisor
- Confirm selection of a major
- Re-apply for financial aid and continue scholarship search
- Attend Design Expo
- Attend IPE’s Study Abroad Fair
- Participate in MLK Symposium
- Finalize housing for next year
- Plan for summer (classes, internship, study abroad, etc.)
- Explore potential research opportunities
- Register for spring/summer and fall terms
- Attend Design Expo
- Meet with ECRC
- Attend Design Expo
- Attend Design Expo

KEY

- ● Classes Begin
- ■ Classes End
- □ Landmark
- ○ Measurement

UPCOMING EVENTS

- SWE/TBP Career Fair - September 16-17
- IPE Study Abroad Fair - January
- EAC Majors Fair - October 29
- ECRC Career Fair - January 28-29
- FAFSA Deadline - April

Please refer to pages 26-30 for a list of academic and student resources to help guide you through your first year on campus.

Adapted from the GVSU Blueprint for Student Success.
ACADEMIC CALENDAR

Fall Term 2019

Registration  (for students not pre-registered)  Sept 1
Labor Day  (holiday)  Sept 2
Classes Begin  Sept 3
Drop/Add Dates  (without “W”) for Full Term in Wolverine Access  Sept 3-23
Online Registration Ends  Sept 23
Drop/Add Dates  (with “W” + Advisor’s + Instructor’s approval) for Full Term via LDAES*  Sept 24 - Nov 8
Fall Study Break  Oct 14-15
Pass/Fail Election Deadline  Nov 8
Drop/Add Dates  (with “W” + Instructor’s signature, Advisor’s + SSC approval) for Full Term  Nov 9 - beyond
Thanksgiving Recess  (5 pm)  Nov 27
Classes Resume  (8 am)  Dec 2
Classes End  Dec 11
Study Day  Dec 12
Examinations  Dec 13, 16-20
Commencement  Dec 15

Winter Term 2020

Registration  (for students not pre-registered)  Jan 7
Classes Begin  Jan 8
Drop/Add Dates  (without “W”) For Full Term via Wolverine Access  Jan 8-28
Martin Luther King, Jr. Birthday  (University Symposia, No Regular Classes)  Jan 20
Online Registration Ends  Jan 28
Drop/Add Dates  (with “W” + Advisor’s + Instructor’s approval) for Full Term via LDAES*  Jan 29 - Mar 20
Spring Break Begins  (noon)  Feb 29
Classes Resume  (8 am)  Mar 9
University Honors Convocation  Mar 15
Pass/Fail Election Deadline  Mar 20
Drop/Add Dates  (with “W” + Instructor’s signature, Advisor’s + SSC approval) for Full Term  Mar 21 - beyond
Classes End  Apr 21
Study Days  Apr 22
Examinations  Apr 23-24, Apr 27-30
Commencement Activities  April 30- May 3

Religious holidays for the 2019-2020 academic year can be found at provost.umich.edu/calendar/religious_holidays19-20.html. If you will miss class or assignments due to a religious holiday, notify your instructor in advance so that arrangements can be made.  *Late Drop/Add/Edit System in Wolverine Access.
### EAC OVERVIEW

**Office**  
230 Chrysler Center

**Phone**  
(734) 647-7106

**Email**  
eac.advising@umich.edu

**Website**  
advising.engin.umich.edu

**Office Hours**  
Open 8 am - 5 pm, Monday - Friday. Advising by appointment via EAC website.

**Walk-in Advising**  
First week of class, add/drop deadlines, registration week, and regularly throughout the term

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### EAC ADVISING MISSION

To empower new undergraduate students to take ownership of their academic and personal development, connect with resources and opportunities, and transition successfully into the Michigan Engineering community.

### EAC RESOURCES

- First-Year Student Handbook: [advising.engin.umich.edu/first-year-planning](advising.engin.umich.edu/first-year-planning)
- College of Engineering Bulletin: [engin.umich.edu/bulletin](engin.umich.edu/bulletin)
- EAC website: [advising.engin.umich.edu](advising.engin.umich.edu)

Advisors and advisees have important roles in the advising process. This Handbook outlines responsibilities for both parties. We recommend you stay in regular contact with your advisor to ensure you meet your goals by meeting at least once a term.

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### EAC STAFF

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</tbody>
</table>

*For more detailed registration information, please visit engin.umich.edu/college/academics/bulletin/rules/registration*
COLLEGE OF ENGINEERING HONOR CODE

In 1915, students in the College of Engineering created an Honor Code and formed a student-run Honor Council. The Honor Code is based on the principle that members of the College of Engineering community are honest and trustworthy people. The Honor Code exists to encourage ethics and integrity, and the principles of community, trust, and personal responsibility.

Exams are usually given without a proctor because your instructors trust that you will act honorably and professionally. It is your responsibility to understand and abide by community norms against cheating or inappropriate collaboration, as well as to adhere to any policies on collaboration that are unique to each course you take. Read your course syllabi carefully, and be sure to ask your instructors if you have questions about specific policies. Students who do not adhere to their course policies on collaboration will be brought before the Honor Council and accused of violating the Honor Code.

When an Honor Code violation accusation is made, the case is reviewed by the Engineering Honor Council, which is a group of students who provide fair peer hearings under the Honor Code. The Honor Council will investigate the accusation, collect all available evidence, hear any defense from the accused, and offer a recommendation to the Faculty Committee on Discipline. The Honor Council will also discuss with those found responsible why their behavior is unacceptable within our community and for a future engineer.

Please see https://elc.engin.umich.edu/about/ or e-mail the Honor Council with questions at honorcouncil-admin@umich.edu

THE HONOR CODE IS BASED ON THESE TENETS:

- Engineers must possess personal integrity, both as students and as professionals. They must ensure safety, health, fairness, and the proper use of available resources in their work.
- Members of the College of Engineering community are honorable and trustworthy persons.
- The students, faculty members, and administrators of the College of Engineering trust each other to uphold the principles of the Honor Code. They are jointly responsible for precautions against violations of its policies.
- It is dishonorable for students to receive credit for work that is not the result of their own efforts.

COLLEGE OF ENGINEERING BULLETIN

The College of Engineering Bulletin is your go-to guide for academically related questions and can assist you in navigating your academic career while in the College of Engineering at the University of Michigan. All references to the Bulletin in this Handbook are to the online 2019-2020 College of Engineering Bulletin engin.umich.edu/bulletin.

Some of the information found in the Bulletin may be of particular interest to you as you transition into the College of Engineering:

- Academic Calendar
- Honor Code
- Sample Schedules
- Undergraduate Degree Requirements & Approved Minors
- Academic Rules (e.g., P/F and add/drop deadlines, declaring your major, Scholastic Standing, term withdrawals, transfer credit)
- Engineering Department Information (e.g., courses, contacts, sample schedule)

Note: Students follow the rules of the College of Engineering Bulletin in effect for the academic term in which they begin their studies. Please make sure to only use the 2019-2020 Bulletin throughout your time in the College of Engineering at the University of Michigan.
TIPS FOR FIRST-YEAR STUDENTS FROM THE EAC PEER ADVISORS

EAC PEER ADVISORS
Peer advisors are upperclass students in a variety of engineering departments who have been trained to help first-year students choose courses, register for classes, and understand the policies and procedures of the College. More importantly, as students, peer advisors have a personal insight into life at the University of Michigan.

Life in the Classroom
- Go to class. You are paying for it, so get your money’s worth!
- Take notes during class.
- Come prepared. Do the reading and bring printed slides of the lecture.
- Ask questions if you are confused. If you still don’t understand, make a note to get help during your instructor’s office hours.
- Befriend someone in the class so you can ask them for help.

Life Outside of the Classroom
- Use a planner, digital calendar, or develop an organizational system that works for you.
- Set aside several hours each day outside of the classroom for homework/study.
- Make time for yourself (make sure you are eating, sleeping, exercising, doing laundry, and showering!)
- Get involved in a student organization.

Studying
- What worked for you in high school may not work here.
- For every hour that you are in class, plan to study a minimum of 2-3 hours outside class. (Example: 15 credit hours equals at least 30-45 hours of study time)
- Utilize Campus Resources: Office hours, Math Lab, Physics Help Room, Science Learning Center, and Engineering Learning Center.
- Do not procrastinate. Know exam dates and start studying early!
- Break studying into small parts; make sure you study each day.
- Find a distraction-free environment to study in (no TV, phone, or tablets)
- Stay motivated by studying with a friend.
- Attend Supplemental Instruction sessions hosted by the Engineering Learning Center (for Engineering 101, Math, and Physics).

Four Keys to Success
As you think about how to approach the semester, please note the four points below. These points reflect the expectations of your professors, GSIs, and advisors; and are critical to academic success.

- Attend every class and complete every assignment. Class is a critical component of your academic success. You not only cover course material but you gain a sense for what the professor believes to be important. There are 168 hours in a week; plenty of time to meet your obligations if you create a plan and follow through.
- Spend 2-3 hours out of class on course-related work for every hour in class. Your learning is your responsibility. To have command of course content you must approach the material from a variety of angles. Map out a chapter before reading. Outline lecture content the morning before attending that lecture. Review lecture notes and rewrite important concepts in your own words.
- Time Management. Create a plan for your typical week during the semester. Include classes, meals, exercise, sleep, study time, and any other time commitments you have on a weekly basis. This plan will eliminate decision making on the fly. How many times have you planned to study but then gone to the gym? How many times have you done the opposite? Create a plan and stick to it!
- Assignment/Obligation Management. Not all of your commitments happen weekly. It’s important that you have a system for tracking your assignments or obligations (e.g., a planner or calendar). Include all of your homework assignments, exams, and due dates, along with appointments and other obligations.
The College of Engineering has 17 undergraduate degree programs. All 17 programs require a common set of core courses. In most cases, your first-year course selections will consist of courses from the common core.

## Sample Schedule

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<th>Subjects Required by All Programs</th>
<th>Total Credit Hours</th>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
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<tr>
<td>Math: See below</td>
<td>16</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Engr 100 and Engr 101</td>
<td>8</td>
<td>4</td>
<td>4</td>
<td></td>
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<tr>
<td>Chem 130, 125/126 or Chem 210, 211</td>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
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<tr>
<td>Physics 140, 141</td>
<td>5</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Physics 240, 241</td>
<td>5</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intellectual Breadth or General Elective</td>
<td>16</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
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### Core Credit Hours

- **Introduction to Engineering**
  - Engineering 100
  - 4 credit hours

- **Introduction to Computers and Programming**
  - Engineering 101 or 151
  - 4 credit hours

- **Chemistry**
  - 130/125/126 or 210/211
  - 5 credit hours

- **Math**
  - 115, 116, 215 and 216 or Honors Math equivalent courses:
    - Applied Honors Calculus Sequence: 156, 285, 286
    - Theoretical Honors Calculus Sequence: 185, 186, 285, 286
  - (CS requires Math 214 and either Math 215 or Math 216)
  - (DS requires Math 214 instead of Math 216)
  - (IOE requires Math 214 instead of Math 216)
  - 16 credit hours

- **Physics**
  - 140/141 and 240/241 or
  - Honors Physics 160/161 and 260/261
  - 10 credit hours

- **Intellectual Breadth**
  - Of these, 3 credits must be Humanities, and you must also complete three credits at the 300 level or above in either Humanities or liberal arts courses (LACs). See pages 10-11.
  - 16 credit hours

### Important Notes:

- If you have taken AP, IB, or A-Level exams, or have transfer credit from another institution for Math, Chemistry, Physics, or Engineering 101, you may have met the College of Engineering requirements for these areas. See your academic advisor for more information about whether your test scores or transfer credits satisfy the above requirements.

- A course load of 13-16 credits is recommended for your first term. Your advisor will help you choose courses best suited for you. 12 credits is considered full time.

### Note:

If you earn less than a grade of “C” in any math, science or engineering class, your ability to declare an engineering major will be at-risk. You should therefore consider retaking any math, science or engineering class in which you earn a “C-” or lower, and should consult with both your EAC advisor and the program advisor in any program in which you hope to declare your major.
INTELLECTUAL BREADTH

Intellectual Breadth
The College of Engineering requires all students to complete 16 credits of Intellectual Breadth courses, which are subject to these rules:
- Humanities: At least 3 credits of Humanities classes marked HU in the LSA Course Guide. Credit by exam cannot be used to meet this requirement.
- Professional and Creative Development Courses (PCDC): No more than 4 credits of PCDC (defined below).
- Liberal Arts Courses (LACs): The remainder of the 16 credits are drawn from the LACs outlined on page 12.
  - At least 3 credits in the Humanities or LACs must be at the 300 level or higher.

PROFESSIONAL AND CREATIVE DEVELOPMENT COURSES (PCDC)
Professional and creative development courses offer a student the opportunity to build on non-engineering and non-technical courses to develop their creativity and professional capabilities as engineers. PCDC courses include any course from the following subjects in the indicated units, provided they are not marked BS or NS in the LSA Course Guide:
- Taubman College of Architecture and Urban Planning: Architecture (ARCH), Urban Design (UD), Urban Planning (UP), Urban and Regional Planning (URP)
- Stamps School of Art & Design (ARTDES, UARTS)
- Ross School of Business: Accounting (ACC), Business Administration (BA), Business Economics and Public Policy (BE), Entrepreneurial Studies (ES), Law History & Communication (LHC), Marketing (MKT), Management and Organization (MO), Strategy (STRATEGY)
- School of Music, Theatre & Dance: Music Composition (COMP), Musicology (MUSICOL), Music Theory (THEORY), Theater & Drama (THTREMUS)
- School of Natural Resources and Environment (NRE)
- Ford School of Public Policy (PUBPOL)
- School of Public Health: Health Behavior & Health Education (HBEHED), Health Management & Policy (HMP)
- College of Engineering: Center for Entrepreneurship (ENTR)

NOTE: A 300 level or higher PCDC course does not count toward the 300-level requirement for the Intellectual Breadth.
DEFINITION OF LIBERAL ARTS COURSES

Liberal Arts Courses (LACs) are intended to give students the broader education in qualitative critical thinking and human society that can give context to their engineering practice and to their contributions as citizens. This excludes mathematics and science courses. A complete definition can be found in the CoE bulletin, but the following courses are considered to be LACs:

- Any course offered by any UM-AA unit marked HU or SS in the LSA Course Guide is considered a LAC.
- For a course not marked HU or SS but offered under one of the LSA subjects listed below, it is considered a LAC if it is not marked BS, NS, QR/1, or QR/2 in the LSA Course Guide.
- In addition, if a course is not marked HU or SS in the LSA Course Guide, but is marked Experiential or Independent, then explicit permission of a CoE program advisor is needed to use it as a LAC.
- Study Abroad Courses (STDABRD) might be counted as LACs, but only by explicit permission of a CoE program advisor. This is not meant to discourage study abroad, but reflects the broad nature of the STDABRD designation, which otherwise defies classification.

The LSA Course Guide can be accessed at: lsa.umich.edu/cg

- Afroamerican & African Studies (AAS)
- American Culture (AMCULT)
- Anthropological Archaeology (ANTHRARC)
- Arab American Studies (ARABAM)
- Arabic Language (ARABIC)
- Armenian Studies (ARMENIAN)
- Asian Languages (ASIANLAN)
- Asian Studies (ASIAN)
- Bosnian, Croatian, & Serbian (BCS)
- Classical Archaeology (CLARCH)
- Classical Civilization (CLCIV)
- Classical Linguistics (CLLING)
- College Honors (HONORS)
- Communication Studies (COMM)
- Comparative Literature (COMPLIT)
- Complex Systems (CMPLXSYS)
- Comprehensive Studies Program (CSP)
- Cultural Anthropology (ANTHRCUL)
- Czech (CZECH)
- Dutch (DUTCH)
- Economics (ECON)
- English Language and Literature (ENGLISH)
- Environment (ENVIRON)
- French (FRENCH)
- Geography (GEOG)
- German (GERMAN)
- Greek (GREEK)
- History (HISTORY)
- History of Art (HISTART)
- International Studies (INTLSTD)
- Islamic Studies (ISLAM)
- Italian (ITALIAN)
- Judaic Studies (JUDAIC)
- Latin (LATIN)
- Latin American & Caribbean Studies (LACS)
- Linguistics (LING)
- Lloyd Hall Scholars (LHSP)
- Medieval & Early Modern Studies (MEMS)
- Middle Eastern & North African Studies (MENAS)
- Modern Greek (MODGREEK)
- Museum Studies (MUSEUMS)
- Near Eastern Studies (NEAREST)
- Organizational Studies (ORGSTUDY)
- Persian Language (PERSIAN)
- Philosophy (PHIL)
- Polish (POLISH)
- Political Science (POLSCI)
- Portuguese (PORTUG)
- Psychology (PSYCH)
- Religion (RELIGION)
- Romance Languages & Literatures (ROMLANG)
- Romance Linguistics (ROMLING)
- Russian (RUSSIAN)
- Russian & East European Studies (REEES)
- Scandinavian (SCAND)
- Screen Arts & Culture (SAC)
- Slavic (SLAVIC)
- Sociology (SOC)
- South Asian Studies (SAS)
- Southeast Asian Studies (SAS)
- Spanish (SPANISH)
- Turkish Language (TURKISH)
- Ukrainian (UKRAINE)
- Women's Studies (WOMENSTD)

NOTE: Chemical Engineering, Civil Engineering, Environmental Engineering, Mechanical Engineering, and Materials Science and Engineering each require one course in economics. This economics requirement can overlap with the LAC requirement.
The U-M Foreign Language Placement Examinations are given during orientation in French, German, Latin, Hebrew, Chinese, Japanese, and Russian. Students interested in taking other language examinations or who miss the placement exams during orientation should contact the individual language department during the Fall Term to find out when placement exams are offered. The College of Engineering values the study of language and international experiences, therefore we urge you to take any placement exam for which you are qualified so that you may continue language study.

If you gained your language skill through formal study in high school and it is not your native language, you are eligible for academic credit based on your U-M Foreign Language Placement results. Students may not receive foreign-language credit by examination above the second-year level.

Language credit by U-M Examination or by Advanced Placement, A-Level, and IB examination will be granted up to a maximum of eight credit hours, distributed as follows:

- Liberal Arts Course (LAC) credit by exam will be given for second year or higher foreign language placements only. Credit by exam WILL NOT satisfy the 3 credits of Humanities in the Intellectual Breadth requirement.
- Credit by exam for 100-level courses will count as General Electives.

For more information on any of the Asian language placement exams, please contact:

Department of Asian Languages and Cultures
202 S. Thayer Street, Suite 6111
Ann Arbor, MI 48104-1608
(734) 764-8286
lsa.umich.edu/asian/language-and-academic-programs/placement-and-proficiency-tests.html

Q&A

Q Is a foreign language course required for a degree in Engineering?
A No. Engineering students are not required to study a foreign language, but knowledge of a second language is encouraged. Foreign language credits do apply towards your LAC or General Electives credit.

Q Can HU/SS courses required for my LSA minor also count toward the Intellectual Breadth requirement?
A Yes. As long as the courses are marked HU or SS or are offered under one of the LSA subjects listed on page 12, and are not marked BS, NS, QR/1, or QR/2. In the LSA Course Guide, you may double-count them for your LSA minor and the CoE Intellectual Breadth requirement. Consult your advisor to make sure you fulfill the requirements of each. See page 21 for a list of approved LSA minors.

Q Can I count any of my AP credits as Intellectual Breadth?
A Yes. Credit by exam (e.g., Advanced Placement, A-Level, and International Baccalaureate) can be used to satisfy any of the Intellectual Breadth requirements except for the 3 credit Humanities requirement. Please note that depending on the course it may be used as a General Elective credit instead of an Intellectual Breadth credit (e.g., statistics, biology, environmental science).
Q&A

Q Can I take courses in the summer after my first year at U-M?
A Yes. Summer can be a good time to catch up or get ahead with your coursework. For more information about summer course procedures, refer to the EAC website: advising.engin.umich.edu - under “Quick Links” click on “CoE Course Equivalency Database.” Follow the steps to make sure courses are approved for transfer.

Q Does the College of Engineering accept transfer credit for online courses?
A Yes. It is possible to receive credit for online coursework. Online course credit is limited to a maximum of 12 credit hours per student. A CoE student seeking to take an online course must submit a Transfer Credit Approval Form prior to enrolling in the course to the CoE’s Credit Evaluation Office. Please note that online CHEM, ECON, EECS, MATH, MECHENG, PHYSICS, and SPANISH courses do not transfer.

Q Is it possible to take courses at a community college?
A Yes. The College of Engineering does accept credit from community colleges. However, be sure to speak with your advisor about your plans. Certain courses (i.e., some courses in Math and Physics) should be taken at a four-year institution to ensure you are prepared for engineering coursework.
AP, IB & A-LEVEL CREDIT
Accepted by the College of Engineering

<table>
<thead>
<tr>
<th>Subjects</th>
<th>AP Exams</th>
<th>Score</th>
<th>Actual (A) or Estimate (E)</th>
<th>Required for credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP Calc AB</td>
<td></td>
<td></td>
<td>5 = Math 115</td>
</tr>
<tr>
<td></td>
<td>AP Calc BC</td>
<td></td>
<td></td>
<td>4 = Math 115; 5 = Math 115 &amp; 116</td>
</tr>
<tr>
<td></td>
<td>IB Math HL</td>
<td></td>
<td></td>
<td>6 = Math 115; 7 = Math 115 &amp; 116</td>
</tr>
<tr>
<td>Chemistry &amp; Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP Chemistry</td>
<td></td>
<td></td>
<td>4+ = Chem 130, 125 &amp; 126</td>
</tr>
<tr>
<td></td>
<td>IB Chemistry HL</td>
<td></td>
<td></td>
<td>4 = Chem 130, 125, &amp; 126; 5 = Chem 130, 125, 126, &amp; 3 general elective credits</td>
</tr>
<tr>
<td></td>
<td>AP Physics B</td>
<td></td>
<td></td>
<td>no credit granted</td>
</tr>
<tr>
<td></td>
<td>AP Physics C (M)</td>
<td></td>
<td></td>
<td>5 = Phys 140 &amp; 141</td>
</tr>
<tr>
<td></td>
<td>AP Physics C (E)</td>
<td></td>
<td></td>
<td>5 = Phys 240 &amp; 241</td>
</tr>
<tr>
<td></td>
<td>IB Physics</td>
<td></td>
<td></td>
<td>4+ = Phys 140, 141, 240, &amp; 241</td>
</tr>
<tr>
<td>General Electives &amp; Intellectual Breadth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP Biology</td>
<td></td>
<td></td>
<td>3 = 4cr; 4+ = 5cr</td>
</tr>
<tr>
<td></td>
<td>AP Comp Sci A</td>
<td></td>
<td></td>
<td>5+ = 4cr</td>
</tr>
<tr>
<td></td>
<td>AP Comp Sci Principles</td>
<td></td>
<td></td>
<td>4+ = 4cr</td>
</tr>
<tr>
<td></td>
<td>AP Econ (Micro)*</td>
<td></td>
<td></td>
<td>4+ = 2cr</td>
</tr>
<tr>
<td></td>
<td>AP Econ (Macro)*</td>
<td></td>
<td></td>
<td>4+ = 2cr</td>
</tr>
<tr>
<td></td>
<td>AP Engl (La&amp;Co)*</td>
<td></td>
<td></td>
<td>4+ = 3cr</td>
</tr>
<tr>
<td></td>
<td>AP Engl (Lit&amp;Co)*</td>
<td></td>
<td></td>
<td>4+ = 3cr</td>
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<tr>
<td></td>
<td>AP Environ Sci</td>
<td></td>
<td></td>
<td>4+ = 4cr</td>
</tr>
<tr>
<td></td>
<td>AP Geography*</td>
<td></td>
<td></td>
<td>4+ = 3cr</td>
</tr>
<tr>
<td></td>
<td>AP History of Art*</td>
<td></td>
<td></td>
<td>4+ = 3cr</td>
</tr>
<tr>
<td></td>
<td>AP Hist (Amer)*</td>
<td></td>
<td></td>
<td>4+ = 4cr</td>
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<tr>
<td></td>
<td>AP Hist (Euro)*</td>
<td></td>
<td></td>
<td>4+ = 4cr</td>
</tr>
<tr>
<td></td>
<td>AP Hist (World)*</td>
<td></td>
<td></td>
<td>4+ = 4cr</td>
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<tr>
<td></td>
<td>AP Pol Sci* (US G)</td>
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<td></td>
<td>3+ = 4cr</td>
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<td></td>
<td>AP Pol Sci* (Cmp)</td>
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<td>3+ = 4cr</td>
</tr>
<tr>
<td></td>
<td>AP Psych*</td>
<td></td>
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<td>4+ = 4cr</td>
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<td></td>
<td>AP Stats</td>
<td></td>
<td></td>
<td>4+ = 3cr</td>
</tr>
<tr>
<td></td>
<td>IB HL Bio</td>
<td></td>
<td></td>
<td>4 = 4cr; 5+ = 5cr</td>
</tr>
<tr>
<td></td>
<td>IB HL Comp Sci</td>
<td></td>
<td></td>
<td>4 = 4cr (EECS 101); 5+ = 6cr (EECS 101 + 2 EECS Dept)</td>
</tr>
<tr>
<td></td>
<td>IB HL Econ*</td>
<td></td>
<td></td>
<td>5+ = 8cr</td>
</tr>
<tr>
<td></td>
<td>IB HL Engl*</td>
<td></td>
<td></td>
<td>5 = 3cr; 6+ = 6cr</td>
</tr>
<tr>
<td></td>
<td>IB HL Hist (any)*</td>
<td></td>
<td></td>
<td>5+ = 4cr</td>
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<tr>
<td></td>
<td>IB HL Phil*</td>
<td></td>
<td></td>
<td>5+ = 4cr</td>
</tr>
<tr>
<td></td>
<td>IB HL Psych*</td>
<td></td>
<td></td>
<td>5+ = 8cr</td>
</tr>
<tr>
<td>Other AP/IB (e.g., languages)</td>
<td></td>
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</tr>
</tbody>
</table>

- AP language is accepted, but varies by subject. Please check with your advisor.
- Starred courses count toward Intellectual Breadth

For International Baccalaureate credit information, please refer to: admissions.umich.edu/apply/freshmen-applicants/ap-ib-credit

A-level credit is evaluated individually by the Office of Admissions. For more information, refer to: admissions.umich.edu/international-advanced-standing-credit-guidelines

The scores or grades you received for these examinations might not be posted to your U-M record during Orientation. It is your responsibility to inform the EAC if your AP, IB, or A-level credit evaluation is incorrect or missing.

If you have not yet had your AP, IB, or A-level scores sent to U-M, please contact the AP, IB, or A-level program and request that scores be sent to the University of Michigan Office of Admissions:

Office of Undergraduate Admissions
University of Michigan
1220 Student Activities Building
515 E. Jefferson
Ann Arbor, MI 48109-1316
(734) 764-7433

NOTE: If you do not receive the scores you planned on, inform your EAC advisor. You may need to revise your schedule. If an advisor recommends you begin in higher-level courses due to your projected test scores, this does not imply that you have received credit for the courses. Credits are only awarded by U-M after scores and grades are received and reviewed.
AP, IB & A-LEVEL CREDIT
Accepted by the College of Engineering (Continued)

AP MATH CREDIT - DOUBLE COUNTING POLICIES

The following rules apply to CoE undergraduate students:

- Credit CANNOT be received for both AP MATH 120 and MATH 115.

Students should be aware that receiving transfer, test and/or course credit can have an impact on tuition fees as tuition increases once a student reaches Upper Class Standing (55 credit hours or more.) Students are responsible for reviewing their transcript when credits are posted. Credits can be removed no later than the end of the semester in which the student reaches Upper Level tuition. Students cannot request that courses taken at U-M Ann Arbor at another college/school, such as LSA, be removed from their engineering transcript upon transferring. Note that credit is always posted for the term in which it was earned, not the term in which it was posted; the posting of credit can therefore have a retroactive impact on tuition owed. Current students should carefully consider this issue before asking for credit to be posted on their transcript. It is highly recommended that students consult with their academic advisor prior to requesting the removal of transfer test and/or course credit. To request credit removal, students should email engincredit@umich.edu directly including in the request their UMID, specifying which transfer credit should be removed, and including a statement acknowledging that once credit is removed from their transcript it will not be reposted.

• Credit can be received for both AP MATH 120 & MATH 185, or both AP MATH 120 & MATH 295 as no double counting rules apply in these situations.

• Credit can be received for both AP MATH 121 and MATH 116; however, AP MATH 121 will be reduced from four credit hours to two credit hours.

• Credit may be received for both AP MATH 121 and MATH 156; however, AP MATH 121 will be reduced from four credit hours to two credit hours.

• Credit may be received for both AP MATH 121 & MATH 176, or both AP MATH 121 & MATH 186, or both AP MATH 121 & MATH 296 as no double counting rules apply in these situations.

NOTE: If a student decides to enroll in or receives credit for MATH 115, then AP MATH 120 credit will be removed as students should not receive credit for both. Advisors can email engincredit@umich.edu to request removal if credit is not automatically updated. AP MATH 120 credit may be reissued in the situation that the student decides to drop or withdraw from MATH 115.

NOTE: If you do not receive the scores you planned on, inform your EAC advisor. You may need to revise your schedule. If an advisor recommends you begin in higher-level courses due to your projected test scores, this does not imply that you have received credit for the courses. Credits are only awarded by U-M after scores and grades are received and reviewed.
COURSE REGISTRATION INFORMATION

REGISTRATION
Each term the Registrar’s Office will notify you via email to check for your enrollment appointment on wolverineaccess.umich.edu. Go to “Student Center” and view your date under “Enrollment Dates.”

Your enrollment appointment is the date and time you can register online for your next term courses. Prior to registration, you will need to meet with an EAC Advisor to plan your course schedule. Fall advising appointments to discuss Winter Term courses begin in October. After your advising session, backpack your class choices and prepare alternate schedules in the event that a class is full on your registration date.

WAITLISTS
If the course or section you want to take is closed because the enrollment limit has been reached, there are still options to try to get in to the class:

- Waitlist the class on Wolverine Access if the option is available. The system will give you the number of your position on the waitlist. You may waitlist for only one section of a particular course.
- Some departments maintain their own lists, and you will have to call and ask them to add your name. (e.g., Physics Lab)
- If you are waitlisted, attend the first day of class and speak to the professor about getting an override.
- A place on the waitlist does not guarantee you a seat in the class.
- If you are granted an override, an automated email will be sent to your umich account.

PERMISSIONS (ELECTRONIC OVERRIDE)
The registration system will block your registration into a course to enforce specific restrictions on courses such as prerequisites, instructor’s permission, Honors, etc. If you believe you are eligible to take the course or the course is closed, contact the department or program for enrollment assistance. If given approval to take the course, request a “permission” (electronic override). Once you receive an electronic override you must access Wolverine Access and add the course to your schedule. A “Permission” (electronic override) can have an expiration date. You must add the course by midnight on the day it expires.

NOTE: Having a permission does not automatically enroll you in the course. You will need to add the course to your backpack and go through the registration process again. Be sure to visit Backpack/Registration Help Page as it contains more information about waitlists and permissions: csprod.dsc.umich.edu/htmldoc/eng/pdf/lsaa/htm/ar_ss_bp_reg_faq.html.

NOTE: Be sure to allow 30 minutes for travel between North and Central Campus.

DEPARTMENT CONTACTS
Chemistry Department
1500 Chemistry
chemundergrad@umich.edu

Engineering 100, 101, 151
1422 LEC
engin-fyp@umich.edu

Mathematics Department
2074 East Hall
math-undergrad-office@umich.edu

Physics Department
1440 Randall Lab
physics.sso@umich.edu

REGISTRATION TOOLS
Academic Reporting Tools (ART 2.0): This website is designed to provide U-M students with data from the university’s student ratings system about courses they might choose to take.
art.ai.umich.edu

Engineering Course Guide: The engineering course guide lists all engineering classes available at the university. It allows you to search through the different major classes, as well as view the first year classes under “Engineering Division”. bulletin.engin.umich.edu/courses/

LSA Course Guide: The LSA course guide lists almost all classes available at the University (including most engineering courses). This allows you to search through potential classes you might want to take and view descriptions about them as well as see when they are offered.
lsa.umich.edu/cg/

Schedule Builder: Schedule builder is a tool used to view and plan your potential schedule before putting it in to Wolverine Access. It allows you to view all possible schedules with the classes you want to take in order to choose the best one for you.
wolverineaccess.umich.edu
ENGINEERING MAJORS

Michigan Engineering offers 17 undergraduate programs of study that lead to a Bachelor of Science degree.

AEROSPACE ENGINEERING
The University of Michigan offers an internationally-recognized undergraduate aerospace engineering program. We are consistently ranked among the top Aerospace Engineering programs in the nation and attract some of the brightest students both nationally and internationally. As a student, you will find that our department is a friendly place, with a diverse and enthusiastic group of students, faculty and staff who call the François-Xavier Bagnoud (FXB) building and its modern laboratories and computational facilities their "home." Students team together to work on a broad array of aerospace and other engineering projects.

BIOMEDICAL ENGINEERING
Biomedical engineers integrate the basic principles of biology with the design and optimization tools of engineering in an arena where the stakes are high and the results can be life-changing. The field brings physicians and engineers together to save lives and improve healthcare. The Michigan BME undergraduate degree program provides a strong foundation in the life sciences and engineering, preparing students to work in the biomedical industry or transition into Medical school or graduate studies in BME through the Sequential Undergraduate/Graduate Studies (SUGS) program.

CHEMICAL ENGINEERING
At one level, Chemical Engineering focuses on the processes through which raw materials (chemicals, biological species, energy) are transformed into useful products. The fundamentals of thermodynamics, fluid mechanics, mass transfer, heat transfer, kinetics and process controls needed to work on these processes, however, also open up many other opportunities to our students. Our graduates work in the pharmaceutical, biomedical, automobile, electronic, food, consumer product, chemical, petroleum, energy, materials and environmental industries. Some also go to medical school, dental school, or law school, or join business consulting or finance companies.

CIVIL ENGINEERING

ENVIRONMENTAL ENGINEERING
Civil and Environmental engineers shape habitats and promote the environmentally-friendly and sustainable use of resources. The CEE department at the University of Michigan teaches students how to tackle some of our most pressing societal challenges. This includes the building of entire cities, transportation systems, water purification, and energy management. Civil and Environmental engineers are in demand globally and a CEE degree opens up the doors to some of the broadest set of career opportunities, from small communities to the world's biggest cities. Whether its a bridge that connects people, buildings that shelter occupants, self-driving cars that safely transport riders, clean water and air that promote human health, or strategies that support a clean and sustainable environment, a career in CEE will prepare you to have a profound impact to human lives.

CLIMATE AND METEOROLOGY

SPACE SCIENCE AND ENGINEERING
Climate + Space interests bridge both engineering and science and prepare students to answer a growing demand for expertise in atmospheric, climate and space sciences and engineering. Climate + Space programs focus on the description of atmospheric characteristics and phenomena on the Earth and other planets and the interrelationships between the Earth and the sun. Climate + Space offers a BSE in Climate and Meteorology, a BSE in Space Science and Engineering, as well as a minor in Climate + Space Sciences.

COMPUTER ENGINEERING
Computer engineering focuses on the theory and practice of analysis and design of complex digital systems, including general-purpose computers and special-purpose embedded systems. CE straddles the line between hardware and software, and partially overlaps computer science and electrical engineering programs. CE students learn how to design hardware-software systems from transistors to systems software. Microprocessors are a central topic, and our curriculum includes both designing microprocessors and building hardware-software systems that contain microprocessors. While many of our graduates go on to work at traditional computer companies (e.g., AMD, Apple, ARM, IBM, Intel, Microsoft, RedHat, and Samsung), many also go to work for numerous companies that embed computers within other products such as cars, consumer electronics, appliances, medical devices, tractors, and airplanes.

COMPUTER SCIENCE (ENGINEERING)
The field of Computer Science has transformed society dramatically, and the pace of innovation in this field continues to increase. The Computer Science major at U-M prepares students to enter and advance this exciting field by providing them with a broad foundation of both the theory of computation and how computational systems can be developed and applied to solve real-world problems. Computer science majors will learn how to design and analyze algorithms, store and retrieve information, build systems to carry out algorithms efficiently, and develop software systems that solve complex problems in a broad array of domains.

DATA SCIENCE
The Data Science major is a rigorous program that will provide students with a foundation in those aspects of computer science, statistics, and mathematics that are relevant for analyzing and manipulating large complex datasets. Students will be exposed to both the practical use of Data Science methods as well as the theoretical properties underpinning the performance of the methods and algorithms. Students learn extracting actionable knowledge from rich and varied data sets for addressing real-world big data problems with applications to domains such as healthcare, natural language understanding, search engines, finance, computer vision, personalized computing, and social networks.
ENGINEERING MAJORS
(CONTINUED)

ELECTRICAL ENGINEERING
Electrical engineering is all about information and energy. Electrical engineers control things, sense things, power things, design and build electronic devices, process signals, design computers, connect things and people - and lots more. The impact of electrical engineering can be seen and felt most everywhere. Next-generation electronic devices, environmental and medical sensors, power systems, energy conversion systems, communication systems, satellite systems, remote sensing, nanotechnology, medical devices, information technology, big data, lighting, displays, miniature computers, automotive electronics, imagining, and even cyber security are all the work of electrical engineers. EE is one of the broadest of all engineering degrees - allowing students to move into virtually any area of their choosing.

ENGINEERING PHYSICS
Engineering Physics provides a thorough curriculum in basic and advanced engineering courses combined with sufficient physics and mathematics to be equivalent to a traditional degree in physics. A unique feature of the curriculum is the focus area - represented by an elective sequence of engineering courses that the student may select in a specialized field of engineering. This focus area can be chosen by the student (with the advisor's agreement) in any field of interest, such as microprocessor design, plasma processing, nuclear fission, radiological health, computational methods, or bioengineering, to name just a few. This permits the student a high degree of flexibility and provides an opportunity for specialization in fields of the student's interest.

INDUSTRIAL AND OPERATIONS ENGINEERING
A distinctive aspect of IOE is its integrated considerations of humans, machines, information, materials, economics, and business. Whether it's shortening a roller coaster line, streamlining an operating room, or distributing products worldwide, all these challenges share the common goal of making organizations and companies successful, and increasing efficiencies.

MATERIALS SCIENCE AND ENGINEERING
Everything is made of materials. Whether natural or man-made, materials comprise everything we see and use - computer chips, cellphones, airplanes, buildings, clothes. The list is endless. By focusing on the materials themselves, MSE is at the core of all other engineering disciplines: we thrive to understand why materials have the properties they have so we can alter them to make them lighter, stronger, greener, smarter... Materials scientist and engineers are making a real difference in today's technological evolution and are thus increasingly in demand across a wide variety of disciplines and industries.

MECHANICAL ENGINEERING
Michigan mechanical engineering dates back 150 years and has been at the heart of the field since its earliest days. The tradition of robust, rigorous engineering that put the world on wheels now drives emerging research on topics that include automated vehicles and robotics, biomechanics at all scales, energy storage materials, advanced manufacturing, and micro and nanotechnology. We're broad, versatile, and at the forefront of what's next. We prepare students to make an impact on the world, through a strong curriculum, meaningful research opportunities, and rich design experiences.

NAVAL ARCHITECTURE AND MARINE ENGINEERING
The Department of Naval Architecture and Marine Engineering's students and faculty engage in a wide range of research, with specialists working in hydrodynamics; marine and offshore structures; dynamics, control and marine system integration; robotics and autonomy; yacht design; design, production, and management; marine renewable energy; and structural and hydroacoustics. Our Marine Hydrodynamics Laboratory with its large physical modeling basin continues to serve as a vital resource for our department.

NUCLEAR ENGINEERING AND RADIOLOGICAL SCIENCES
Nuclear Engineering is devoted to the control of radiation and energy in order to develop devices and systems that improve human conditions. Our research cuts across disciplines to find solutions to real-world problems in four major areas: sustainable energy, nuclear security, medicine and health, and enabling scientific discovery in other engineering disciplines. Students in our program enjoy one on one attention from faculty in a close, tight-knit community. Research opportunities are guaranteed for all undergraduate students in our department, and we offer direct career counseling and a career fair each year specific to our students’ interests and goals.
ELECTING TO EARN AN ACADEMIC MINOR IS OPTIONAL. COURSES REQUIRED AS PART OF A MINOR PROGRAM CANNOT BE TAKEN PASS/FAIL.

ENGINEERING MINORS

- Minor in Climate and Space Sciences Engineering
- Minor in Computer Science*
- International Minor for Engineers
- Minor in Electrical Engineering*

*These minors are not available to students who have a declared a major in Computer Engineering, Computer Science, Electrical Engineering or Data Science.

**This minor is not available to students who have declared a major in Civil Engineering (CivE) or Environmental Engineering (EnvE)

MINOR IN CLIMATE AND SPACE SCIENCES AND ENGINEERING

The Climate & Space Minor provides exposure to research opportunities in atmospheric, climate and space science and engineering for students who wish to work in the geoscience or space industry but are not majoring in Climate and Space Sciences and Engineering. The fields of climate, space sciences and engineering require scientists and engineers from a wide range of disciplines, including physics, geosciences, aerospace, mechanical, electrical, computer, civil and environmental engineering, etc. The minor requires graduates with knowledge of the Earth and Space system in order to be better prepared to succeed. eecs.umich.edu/eecs/undergraduate/minor-climate-space-sciences-engineering

MINOR IN COMPUTER SCIENCE

The Climate & Space Minor provides exposure to research opportunities in atmospheric, climate and space science and engineering for students who wish to work in the geoscience or space industry but are not majoring in Climate and Space Sciences and Engineering. The fields of climate, space sciences and engineering require scientists and engineers from a wide range of disciplines, including physics, geosciences, aerospace, mechanical, electrical, computer, civil and environmental engineering, etc. The minor requires graduates with knowledge of the Earth and Space system in order to be better prepared to succeed. eecs.umich.edu/eecs/undergraduate/minor-climate-space-sciences-engineering

INTERNATIONAL MINOR FOR ENGINEERS

The International Minor for Engineers addresses a core set of skills and experiences that will prepare graduates for the challenges of the global engineering profession. Students will gain basic proficiency in a non-English language, understanding of non-U.S. cultures and societies, intercultural communication skills, knowledge of global trends in engineering and business, practical experience working/studying overseas and navigating a new cultural setting. ipe.engin.umich.edu/intlminor/

MINOR IN ELECTRICAL ENGINEERING

A Minor in Electrical Engineering, offered through the Electrical and Computer Engineering division of the Electrical Engineering and Computer Science (EECS) Department, is designed to provide an avenue for a diverse education for students outside of the EECS department. Due to the extensive breadth of electrical engineering discipline areas, students seeking an academic minor in electrical engineering have a spectrum of choices for the program paths they choose. eecs.umich.edu/eecs/undergraduate/ee-minor/

MINOR IN ENVIRONMENTAL ENGINEERING

The Minor in Environmental Engineering allows students to take 16 credits focused in environmental engineering to broaden their career and graduate school opportunities. The program requires coursework in Sustainable Engineering, Fluid Mechanics, and Environmental Engineering Principles, followed by two electives from a prescribed list. cee.engin.umich.edu/academics/undergraduate/environmental-engineering-minor/

MINOR IN MATERIALS SCIENCE AND ENGINEERING

Materials Science and Engineering is at the core of all other engineering disciplines: materials scientists and engineers strive to understand why materials have the properties they have so we can alter them to make them lighter, stronger, greener, and smarter. A minor in Materials Science and Engineering offers an opportunity to broaden career and graduate school options through the a deeper understanding of materials structures, selection, and properties in the context of a wide range of applications. mse.engin.umich.edu/undergraduate/mse-minor

MINOR IN MULTIDISCIPLINARY DESIGN

The Multidisciplinary Design Minor incorporates practical teamwork skills with classroom learning, culminating in an intensive, hands-on, multi-term design team project. This Minor is highly individualized, and customized to support students as they develop their skills on a project. Project teams collaborate with faculty and industrial or non-profit clients to understand and meet the needs of science, industry and society. mdp.engin.umich.edu

PROGRAM IN GLOBAL HEALTH DESIGN

Developed by the University of Michigan Global Health Design Initiative (GHDI), the Specialized Study Program in Global Health Design (PGHD) is a 9-credit supplemental studies program that allows undergraduate students to focus their elective courses and upper-level coursework on the topics of global health and design. To complete the program, students select one course to fulfill each of the program requirements which include a project-based design foundations course with global health themed project, a global health foundations course, and a depth course. For more information, visit globalhealthdesign.engin.umich.edu/opportunities/program-in-global-health-design-pghd/

PROGRAM IN SUSTAINABLE ENGINEERING

Developed and managed by the Center for Socially Engaged Design (C-SED), the Program in Socially Engaged Design (PSED) is an academic program that guides undergraduate engineering in focused studies in socially engaged design. The 9-credit program allows students the flexibility to select from one course from each list: foundations of socially engaged design, supporting design course, and breadth course. Students will also build on skills in courses through online learning blocks provided by C-SED. csed.engin.umich.edu/program-in-socially-engaged-design/

PROGRAM IN SUSTAINABLE ENGINEERING

Managed by the Department of Civil and Environmental Engineering, the Program in Sustainable Engineering (PISE) offers a unique specialization that guides undergraduate engineering students in focused studies on sustainability in engineering design. The 9-credit program requires the 3-credit course Sustainable Engineering Principles (CEE 265). The remaining 6 credits are taken from a list of engineering courses (3 credits) and a list of non-engineering courses (3 credits). pise.engin.umich.edu
COLLEGE-APPROVED MINORS

MINOR IN ART & DESIGN
The minor in Studio Art and Design, offered by the Penny W. Stamps School of Art & Design, allows students flexibility in crafting their course of study while providing a framework that ensures that the final course of study will have its own integrity.

With the assistance of Stamps advisors, students select courses most appropriate to their interests. The result is a minor uniquely suited to and reflective of the individual. A Stamps minor will offer you the opportunity to sharpen your problem-solving skills, explore your creativity, and engage in the intellectual process of creative work.

You’ll roll up your sleeves and make things. You’ll learn to use the tools and materials that artists and designers use in their own contemporary art practice. You’ll build tangible solutions to complex problems. You’ll analyze sensory experience. You will envision what does not exist and you will make it so. Learn how to acquire creative credentials by minoring in art and design at stamps.umich.edu/undergraduate-programs/minor

MINOR IN BUSINESS
The Business Minor, offered by the Stephen M. Ross School of Business, is designed for students who would like to complement their non-business, undergraduate major with business knowledge.

The curriculum will enable students to integrate business concepts, skills, and perspectives into their declared majors and will add value to many technical and non-technical majors across campus. The Business Minor will require students to complete 15 credits of coursework through the Stephen M. Ross School of Business in addition to ECON 101. The 15 credits of business coursework will include a selection of 12 credits of core course options and 3 credits of elective coursework.

Students must be admitted to the Minor in Business during an annual application process; admittance will require Junior standing and completion of both Pre-Calculus or Calculus coursework and the LSA First-Year Writing requirement or ENGR 100. michiganross.umich.edu/programs/minor-in-business/curriculum

COMMUNITY ACTION AND SOCIAL CHANGE MINOR
The Community Action and Social Change (CASC) minor, offered by the School of Social Work, prepares students to (1) examine community action and social change using a multidisciplinary framework, (2) address community action and social change in multilingual and multicultural communities, (3) integrate social justice values into the community action and social change processes, and (4) engage in service learning opportunities to promote community action and social change.

The 16 credit minor requirements include: Foundation Minor Course (SW 305), CASC Elective Clusters (12 credits, minimum of 3 credits in each cluster), and Capstone.

Students must make an appointment with a CASC advisor at cascminor@umich.edu prior to declaring the minor.

MINOR IN ENTREPRENEURSHIP
The Minor in Entrepreneurship is a multidisciplinary, campus-wide minor open to all undergraduate students, managed by Innovate Blue. On a spectrum of creative problem solving and starting a business this 15-credit minor equips undergraduate students from any background or area of study with the necessary skills and experience to translate ideas into real impact in the arts, sciences, commercial, and social areas. All students are to begin in two core courses as early as their sophomore year: (ES 212) Entrepreneurial Business Basics and (PSYCH/ALA 223) Entrepreneurial Creativity innovateblue.umich.edu/academics/minor-in-entrepreneurship

SCHOOL OF MUSIC, THEATRE & DANCE MINORS
Minor in Design and Production: The SMTD Department of Theatre and Drama offers a Minor in Design and Production to eligible U-M students. Students will choose one of the four D&P tracks, including Scenic Design, Costume Design, Lighting Design, and Stage Management; and confine their studies to that area.

Minor in Performing Arts Management: The Minor in Performing Arts Management (PAM), offered by the School of Music, Theatre & Dance, prepares students to engage in the arts through courses in fundraising, production, music business, and arts administration.

The Minor in Playwriting minor focuses on principles and techniques for the composition of creative works in theatre, as well as possible exploration in different writing genres (i.e. screenwriting, fiction, and poetry). The minor includes in-depth instruction in the craft of writing, analysis, script editing/reading, and possible creation of full production(s).

More information on School of Music, Theatre & Dance Minors can be found in the SMTD Student Handbook: smtd.umich.edu/current-students-2/minors/

EDUCATION FOR EMPOWERMENT MINOR
The Education for Empowerment minor (15 credits) is designed for students interested in examining the critical role of education in building our individual and collective capacity to advance the aims of justice and democracy in society. Through coursework, a field-based internship, and a culminating capstone project, students explore questions such as:

• What is the relationship, historically and today, between education and power?
• How do individuals, communities, organizations, and societies leverage teaching and learning as tools for social change and social movement?
• Beyond schools and classrooms, what are the sites of educational and youth work that offer opportunities to advance justice, in the United States and around the world?
• How might we develop our imagination for humanizing educational spaces—both within and beyond schools—that recognize everyday people’s power in the ongoing struggle for justice.

For more information, visit soe.umich.edu/academics/minor/

FUNDAMENTALS OF PUBLIC HEALTH SUPPLEMENTAL STUDIES
The Fundamentals of Public Health Supplemental Studies (FPHSS) program is a 10-credit course sequence providing students who do not intend to complete the new undergraduate degree in Public Health a formal academic structure through which they will gain an understanding of the evolution and mission of the field of public health, as well as an appreciation of its key methods and applications. sph.umich.edu/undergrad/degrees/fph.html
COLLEGE-APPROVED MINORS

PROGRAM IN THE ENVIRONMENT

Energy Science and Policy: Are our energy systems sustainable? If not, what could the world do differently? This 15 credit minor is designed to provide the policy and analytic skills necessary to understanding the sustainable production and consumption of energy. Two courses must be at the 300 level or above.

Environment: The environment minor is an interdisciplinary examination of current environmental topics of the day. To satisfy the requirement of this minor, students must complete 17 credits, with one course elected from each of the following categories: Introductory Interdisciplinary course; Environmental Natural Science; Environmental Social Science; Culture and Environment; and Analytics or Practical Experience. Two courses must be at the 300 level or above.

Food and the Environment: The Food and the Environment Minor is an interdisciplinary program of study with courses addressing questions of food production, consumption, and policy in relation to the environment, human health, and equity. The Food Systems Minor consists of no less than 5 courses for a total of at least 15 credits, at least two courses must be 300 level or above.

Sustainability: Sustainability has as its core goal the development of systems of human behavior that enable both current and future generations to maintain a quality of life that is both productive and pleasing. To achieve such a goal requires an interdisciplinary approach to answer the complex issues that challenge our ability to develop sustainable systems now and in the future. To satisfy the requirement of this minor, students must complete 18 credits, which includes a practical/leadership immersion experience and a senior capstone course. Three courses must be at the 300 level or above.

Water and the Environment: A global water shortage is rapidly becoming one of the top environmental and societal problems of the 21st century. This 18 credit minor is designed to provide necessary scientific and policy background to understand current and future water issues facing the planet. The Water minor requires a practical experience and three courses must be at the 300 level or above.

PitE is a University-wide collaborative effort overseen by the College of Literature, Science, and the Arts and the School for Environment and Sustainability. lsa.umich.edu/pite/minors.html

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS
Students may choose from any of the College of Literature, Science, and the Arts (LSA) minors listed below. lsa.umich.edu/lsa/academics/majors-minors.html

- Afroamerican and African Studies
- American Culture
- Anthropology
- Applied Statistics
- Arab and Muslim American Studies
- Asian Languages and Cultures
- Asian Studies
- Asian/Pacific Islander American Studies
- Astronomy and Astrophysics
- Biochemistry
- Biological Anthropology
- Biology
- Biophysics
- Bosnian/Croatian/Serbian Literature and Culture
- Central Eurasian Studies
- Chemical Measurement Science
- Chemical Physics
- Chemistry
- Classical Archaeology
- Classical Civilization
- Complex Systems
- Creative Writing
- Crime and Justice
- Cultures and Literatures of Eastern Europe
- Czech Language, Literature, and Culture
- Digital Studies
- Drama: Text to Performance
- Early Christian Studies
- Earth Sciences
- East European Studies
- Ecology and Evolutionary Biology
- Economics
- English
- Environmental Geology
- Epistemology and Philosophy of Science
- French and Francophone Studies
- Gender and Health
- Gender, Race, and Nation
- General Philosophy
- Geology
- German Studies
- Global History
- Global Media Studies
- Greek (Ancient) Language and Literature
- Greek (Modern) Language and Culture
- History
- History of Art
- History of Law and Policy
- History of Medicine and Health
- History of Philosophy
- Interdisciplinary Astronomy
- Intergroup Relations Education
- International Studies
- Islamic Studies
- Italian
- Judaic Studies
- Latin American and Caribbean Studies
- Latin Language and Literature
- Latina/o Studies
- Law, Justice, and Social Change
- Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ) and Sexuality Studies
- Linguistics
- Mathematics
- Medical Anthropology
- Medieval and Early Modern Studies
- Middle East Languages and Culture
- Mind and Meaning
- Modern European Studies
- Modern Middle Eastern and North African Studies
- Moral and Political Philosophy
- Museum Studies
- Music
- Native American Studies
- Oceanography
- Paleontology
- Physics
- Plant Biology
- Peace and Social Justice
- Polish Language, Literature, & Culture
- Political Science
- Polymer Chemistry
- Portuguese
- Religion
- Russian Language, Literature, & Culture
- Russian Studies
- Scandinavian Studies
- Science, Technology, and Society
- Sociology of Health and Medicine
- Spanish Language, Literature, and Culture
- Statistics
- Translation Studies
- Ukrainian Language, Literature, and Culture
- Urban Studies
- Writing
- Yiddish Studies
At Michigan Engineering, our students are driven by a commitment to serve the common good through solutions that push the bounds of what is possible. Michigan Engineering Immersed, a collection of carefully-designed experiential learning opportunities, serves to reinforce this commitment based on the belief that innovation is born out of exploration.

**ARTSENGINE**
3360 Duderstadt Center
(734) 615-8738
artsengine.umich.edu
ArtsEngine encourages collaboration among students in the North Campus schools and colleges through grants for interdisciplinary projects and research, innovative collaboratively taught coursework through their UARTS initiative, workshops and events that support the community of makers at U-M, and Living Arts, the only living learning community on North Campus.

**CENTER FOR ENTREPRENEURSHIP**
2250 Duderstadt Center
(734) 763-1021
cfe.umich.edu
The CFE offers nearly 30 ENTR courses each fall and winter term at taught by innovative practitioners and open to all students in all schools/colleges. Through this multidisciplinary approach, CoE students receive Intellectual Breadth/PCDC credit upon successful course completion. The CFE connects current students with Michigan alumni in the start-up community, offers student-treks to startup ecosystems across the country, and facilitates the process for students to pursue their own ideas for ventures or products. U-M CFE also coordinates activities with entrepreneurship-focused student organizations across campus as well as mentors in residence. With CoE’s IPE, each summer the CFE offers entrepreneurship-abroad that leads with global focus and experiential impact.

**CENTER FOR SOCIALLY ENGAGED DESIGN**
3rd Floor of GG Brown
(734) 764-5298
csed.engin.umich.edu
The Center for Socially Engaged Design empowers students and practitioners with perspectives and skills needed to design effective technology interventions that are good for the world. We believe this requires designers to take into account the fullest social, cultural, economic, and environmental contexts that their design process and intervention will interact with. Through our Socially Engaged Design Academy, consulting service, education programs, and engagement opportunities, students of any discipline may learn about and apply a broad set of skills, methods, and perspectives that, collectively, inform socially engaged design practice.

**ENGINEERING HONORS PROGRAM**
251 Chrysler Center
(734) 763-0505
honors.engin.umich.edu
Students in the Honors program develop academic breadth and depth while enhancing their leadership skills. Working closely with faculty and equally motivated students, program participants complete a capstone project, develop skills through Honors seminars, and make a difference through community service projects.

**GLOBAL HEALTH DESIGN INITIATIVE**
3320 GG Brown
(734) 764-9366
globalhealthdesign.engin.umich.edu
The Global Health Design Initiative trains students to collaborate with diverse stakeholders to identify and define needs and co-develop solutions to address health care challenges.

**INTERNATIONAL PROGRAMS IN ENGINEERING**
245 Chrysler Center
(734) 647-7129
ipe.engin.umich.edu
Build a global perspective as you practice engineering principles through study, work, research, and volunteer abroad, with access to exclusive funding opportunities and the College’s most popular academic minor.

**MULTIDISCIPLINARY DESIGN PROGRAM**
117 Chrysler Center
(734) 763-0818
mdp.engin.umich.edu
The Multidisciplinary Design Program in the College of Engineering offers students a wide variety of intensive, hands-on, multi-term design team projects. Project teams collaborate with faculty and industrial or non-profit clients to bridge the gap between the classroom and professional experience.

**WILSON STUDENT TEAM PROJECT CENTER**
Wilson Center
734-615-6400
teamprojects.engin.umich.edu/
The Wilson Student Team Project Center empowers student teams by providing a facility in which they can experience hands-on development and fabrication, enhance engineering theories, and allow members to use practical application of knowledge. The Wilson Center furnishes groups with a unique opportunity to interact with one another, share ideas, and showcase their projects.
MAJOR & CAREER EXPLORATION

THESE ACTIVITIES CAN HELP YOU CHOOSE A MAJOR AND PLAN FOR YOUR FUTURE CAREER:

• Meet with your EAC advisor to discuss your options. Sign up online. advising.engin.umich.edu
• Meet with faculty in your areas of interest and visit engineering department websites for information on degree programs. engin.umich.edu/college/departments
• Visit the Engineering Career Resource Center (ECRC) in 230 Chrysler Center for help researching engineering career opportunities and developing your resume. career.engin.umich.edu
• If you’re not sure whether engineering is right for you, meet with your EAC advisor, and a career counselor at the U-M Career Center in 3200 Student Activities Building. careercenter.umich.edu
• Develop short-term and long-term goals. Where do you want to be one year from now? What about five years from now? What are some barriers to meeting your goals, and how can you overcome them?
• Research engineering majors and careers online. Visit the Exploring Majors tab on the EAC website: advising.engin.umich.edu/major-exploration/
• Take Engineering 110: Design Your Engineering Experience.
• Talk to peer advisors and upper-level friends about their majors. Ask about the skills required to be successful, projects they complete in advanced courses, and internships and jobs in their field.

ENGINEERING CAREER RESOURCE CENTER (ECRC)
Services offered to current students and alumni include the following:
• Career Advising
• Job search strategies for full-time, internship, and co-op positions
• Career fair and Interview preparation
• Negotiating offers and salary data
• Workshops
• On-campus interviews, employer company days, and office hours

WHAT IS ENGINEERING CAREERS?
Engineering Careers is an online recruiting system for Michigan Engineering students.

WHY USE ENGINEERING CAREERS?
• Schedule a career advising appointment
• Register to attend ECRC events and workshops
• Apply to full-time, internship, and co-op opportunities
• Schedule on-campus interviews when selected
• Choose your major with the help of engineering careers: browse thousands of jobs, research majors desired by companies of interest, and learn more about skills needed to succeed

HOW DO I SET UP MY ACCOUNT?
• Check your UMICH.EDU email account for an email from ECRC containing your login information
• Log into your account at engineering-umich-csm.symplicity.com/students
• Update your information under ‘My Account & Skills Profile’
• Upload a resume

NEXT STEPS
• Attend a workshop
• Schedule an appointment with an ECRC Career Consultant
CAMPUS INVOLVEMENT

There are many reasons to get involved on campus. You will meet new friends, have fun, and gain important experience. Employers and graduate schools like to see that students are involved in at least one activity on campus.

Choose an activity that sounds interesting to you, and start slowly (we recommend you join no more than 1-2 groups in your first term; you will need time to adjust to campus). Here are some resources for finding student organizations:

- CoE affiliated student organizations: studentorgs.engin.umich.edu/
- U-M Maize Pages: maizepages.umich.edu

You can also meet student organization representatives at campus events throughout the year:

NORTHFEST
Monday, Sept 2
North Campus

North Campus fall student organization information fair. If you are looking to get involved on campus, this is the time to explore. Northfest has over 150 student organizations and departments represented.

FESTIFALL
Friday, Sept 6
Central Campus Diag

Central Campus fall student organization information fair. Festifall is the largest fair of the year with over 450 student organizations and departments from across the University to help you discover ways to get involved and have some fun!

WINTERFEST
January
Michigan Union

Central Campus winter student organization information fair. Did you miss your chance to explore student organizations in the fall? Winterfest has over 100 student organizations and departments to help you find a new passion!
ACADEMIC RESOURCES

ACADEMIC SUCCESS
A key component of all engineering students’ academic success is knowledge of critical CoE and campus resources. In addition to this First-Year Student Handbook and the EAC, the College of Engineering website is a good place to find information on all the resources available to students: engin.umich.edu/college/info/students

Part of what you learn in college is how to find resources to help you achieve your goals. Below is a list of more places you can look to find important information about CoE policies and resources.

INFORMATION SOURCES
- Course websites and Canvas
- EAC Peer Advisors
- CoE Peer Mentors
- Engineering Department Advisors and Peer Advisors
- Email messages
- Advising Matters newsletter
- Faculty and GSI announcements in the classroom
- Your classmates
- Residence hall workshops or Resident Advisors
- CoE Bulletin: bulletin.engin.umich.edu/

The EAC Advisors are here to help you with academic and non-academic concerns. They are aware of the University and CoE resources available to you. The help is out there—just ask.

Q&A

Q: Where are some good places to study?
A: Finding a quiet, comfortable place to study is important for a successful academic career. Generally speaking, studying in your room is not productive because of the many distractions that can interrupt your focus (e.g., phone calls, visitors, loud music, TV, video games, internet).

CENTRAL CAMPUS
- Residence hall study lounges
- Shapiro Undergraduate Library (UGLI)
- Hatcher Graduate Library
- Public Health Library (on the Hill)

NORTH CAMPUS
- Chrysler Center Lobby
- Duderstadt Center
- GG Brown Blue Lounge
- Pierpont Commons
- BBB Lounge

ACADEMIC RESOURCES
There are a number of resources available to assist you with your studies, including resource centers and labs, and free tutoring. Several are listed below. Don't wait until the last minute to get help! Meet with your instructor or GSI at the first sign of confusion. Seek help from peers, and keep your EAC advisor updated on your progress.

ENGR 101- GSI OFFICE
B521 Pierpont Commons

ENGINEERING LEARNING CENTER (ELC)
273 Chrysler Center
(734) 615-8438
elc.engin.umich.edu
Practice Exams: Math 105 through 215, Chem 130, Physics 140, Engr 101
Free Tutoring: Math, Chemistry, Physics, Engr 101
Supplemental Instruction: Math, Chemistry, Physics, Engr 101

MATH LAB
B860 East Hall
(734) 936-0160
lsa.umich.edu/math/undergraduates/course-resources/math-lab.html

PHYSICS HELP ROOM
1416 Randall Lab
(734) 764-4437
lsa.umich.edu/physics/undergraduate-students/introductory-physics-courses/tutoring.html

SCIENCE LEARNING CENTER (CHEMISTRY, PHYSICS, BIOLOGY, AND HONORS MATH)
1720 Chemistry Building
(734) 764-9326
lsa.umich.edu/sl

SCIENCE LEARNING CENTER - SATELLITE LOCATION
2165 Undergraduate Science Building
(734) 764-5326

SWEETLAND WRITING CENTER
1310 North Quad
(734) 764-0429
lsa.umich.edu/sweetland

TAU BETA PI (COE HONOR SOCIETY)
(734) 615-4187
tbp.engin.umich.edu/outreach/tutoring
Free Tutoring: Math 100-200 level, Chem 130 and 210, Physics 140 and 240, Engr 101
STUDENT SUPPORT

1ST GEN ENGIN
230 Chrysler
734-647-7106
advising.engin.umich.edu/1stgenengin/
1st Gen Engin is a new program for first generation students in the College of Engineering (i.e. first generation in your family to earn a four year degree in the U.S). The goals of the program include building community and empowering first generation students through workshops, events, etc.

AFTER HOURS TRANSIT SERVICES
ltp.umich.edu/transit/after-hours.php
After Hours Transit Services include the following options: Ride Home, Safe Ride, Night Ride Home, and State Street Ride.

CENTER FOR ENGINEERING DIVERSITY & OUTREACH (CEDO)
1108 LEC
(734) 647-7120
cedo.engin.umich.edu
Programs housed within CEDO:
• Multicultural Engineering Programs Office (MEPO)
• Women in Science and Engineering (WISE)
• Office of Engineering Outreach and Engagement (OE)2
CEDO serves students of all backgrounds in order to develop engineers who are innovative leaders in a global society. The Center works to broaden participation, increase academic performance and support diverse students from all backgrounds.

COMPUTER-AIDED ENGINEERING NETWORK (CAEN)
1315 Duderstadt Center
(734) 764-CAEN
cacen.engin.umich.edu
CAEN provides the College of Engineering with the computing environments for engineering-related research and education. CAEN computer labs offer a multitude of information resources and software programs.

COUNSELING AND PSYCHOLOGICAL SERVICES (CAPS)
Tappan Auxiliary Building
145B & 145C in Chrysler Center
(734) 764-8312
caps.engin.umich.edu
Get confidential help with personal issues. Services include: personal counseling, workshops and consultation services.

CAPS WELLNESS ZONE
Pierpont Commons Lower Level
The Wellness Zone offers a variety of ways to unwind and de-stress, such as massage chairs, SAD light therapy, meditation and yoga tools, and other wellness resources.

DEPARTMENT OF PUBLIC SAFETY (DPS)
1239 Kipke Drive
Police, Fire, and Medical emergencies: dial 9-1-1
Non-emergencies: (734) 763-1131 or text 377911
dpss.umich.edu
The University of Michigan Division of Public Safety and Security (DPSS) offers a variety of services to the U-M community, including those of a fully accredited police force. From responding to calls and providing event security, to fingerprinting and ride-alongs, our comprehensive services help you study, work and live in a safer and more secure campus environment.

ENGINEERING ADVISING CENTER (EAC)
230 Chrysler Center
(734) 647-7106
advising.engin.umich.edu
The EAC assists first-year students in their transition from high school to the rigorous academic demands of engineering programs. Advisors help students develop a course of study and explore options in engineering.

ENGINEERING CAREER RESOURCE CENTER (ECRC)
230 Chrysler Center
(734) 647-7160
career.engin.umich.edu
The ECRC provides information on summer internships, co-op opportunities, and part-time and permanent engineering employment. Some of their services include: on-campus recruitment, interviews, career and job search information, and resume assistance.

ENGINEERING SCHOLARSHIP OFFICE (ESO)
143 Chrysler Center
(734) 647-7113
scholarships.engin.umich.edu
The ESO offers a range of scholarship opportunities for undergraduates, including endowed scholarships and gifts from industry sponsors. The minimum qualification is a 3.0 cumulative GPA, but other criteria may apply. Check the ESO website for information on criteria and application procedures.
ENGLISH LANGUAGE INSTITUTE (ELI)  
900 Weiser Hall  
(734) 764-2413  
lsa.umich.edu/eli  
The ELI offers a range of courses for international students and entering students whose native language is not English.

INNOVATE BLUE  
(734) 763-4770  
innovateblue.umich.edu.  
Innovate Blue is the University of Michigan's campus-wide innovation and entrepreneurship initiative that sits at the heart of a growing “ecosystem” of programs in schools and colleges, student organizations, courses, mentoring opportunities and resources. Whether you're interested in declaring the Minor in Entrepreneurship, or taking advantage of one of the many resources to gain your entrepreneurial mindset visit us at

INTERNATIONAL CENTER  
1500 Student Activities Building  
(734) 764-9310  
internationalcenter.umich.edu  
The Center provides a variety of services to international students. The services include helping students understand tax regulations, apply for immigration and benefits, cope with adjustment difficulties, make friends and integrate into the campus community.

MULTI-ETHNIC STUDENT AFFAIRS (MESA)  
2nd floor of the Trotter Multicultural Center on Washtenaw  
(734) 763-9044  
mesa.umich.edu  
MESA advises multicultural students and organizations, and helps plan events and activities on campus.

OFFICE OF RECRUITMENT AND ADMISSIONS (ORA)  
153 Chrysler Center  
(734) 647-7101  
engin.umich.edu/admissions/  
The ORA recruits and facilitates the admission of first-year and transfer students to the College of Engineering, and evaluates transfer credits.

COE UNDERGRADUATE OFFICE OF THE REGISTRAR  
145A Chrysler Center  
(734) 763-0105  
registrar.engin.umich.edu/  
Undergraduate Student Record Maintenance: Processing completed Add/Drop/Modify forms; Registration Issues; Process Joint Degree Applications (CoE and other UM Colleges/Schools); Cross-Campus Transfer to LSA (Moving Course Elections); Time Extension for Incomplete Grades; Term Withdrawals; CoE Advising Report/Senior Audit

OFFICE OF STUDENT AFFAIRS (OSA)  
143 Chrysler Center  
(734) 647-7118  
studentaffairs.engin.umich.edu  
The OSA enhances and supports the academic mission of the College of Engineering and the University. Students are encouraged to visit the Office as the “first stop” for the College Registrar, Honor Council, Personal Crisis Support and Student Leadership and Activities.

OFFICE OF STUDENT SUPPORT AND ACCOUNTABILITY (OSSA)  
129 Chrysler Center  
734-615-1405  
ossa.engin.umich.edu  
The Office of Student Support and Accountability serves the College of Engineering community as the primary resource for students of concern and crisis intervention. We provide a confidential and holistic approach to supporting students with academic and personal concerns. We hope to help students overcome their concerns and resume their effective coping techniques to continue successfully with their academic career.
STUDENT SUPPORT
(CONTINUED)

PARATRANSIT
(734) 763-3000
ltm.umich.edu/transit/paratransit.php
Paratransit is a scheduled door-to-door service for students, faculty, and staff with permanent or temporary disabilities that are pre-qualified through the Office of Services for Students with Disabilities (SSD). Paratransit is a free shared service.

SERVICES FOR STUDENTS WITH DISABILITIES (SSD)
G-664 Haven Hall
(734) 763-3000 (voice)
(734) 615-4461 (TDD)
(734) 619-6661 (VP)
ssd.umich.edu
The SSD provides services to students with visual, hearing or mobility impairments, or learning disabilities. This office also works with students who have chronic health problems or psychological disabilities.

SEXUAL ASSAULT PREVENTION AND AWARENESS CENTER (SAPAC)
Michigan Union
(734) 764-7771
Counseling Crisis Line
(734) 936-3333
sapac.umich.edu
SAPAC provides individual and group counseling for survivors of sexual assault, dating/domestic violence, stalking, and sexual harassment.

SPECTRUM CENTER
Third floor of the Trotter Multicultural Center on Washtenaw
(734) 763-4186
spectrumcenter.umich.edu
The Spectrum Center provides a range of education, information and advocacy services to create and maintain an open, safe and inclusive environment for lesbian, gay, bisexual, transgender and similarly identified students, faculty, staff, their friends and families, and the community.

STUDENT FINANCIAL SERVICES (SFS)
2226 Student Activities Building
(734) 764-7447
finance.umich.edu/finops/student
Student Financial Services manages student account billing and collection at the University of Michigan.

TROTTER MULTICULTURAL CENTER
1443 Washtenaw Avenue
(734) 763-3670
trotter.umich.edu
As a national leader in promoting an inclusive campus climate, the Trotter Multicultural Center serves as a campus facilitator, convener, and coordinator of cultural competence and inclusive leadership education initiatives for University of Michigan students.

UNIVERSITY CAREER CENTER (UCC)
3200 Student Activities Building
(734) 764-7460
careercenter.umich.edu
The U-M Career Center assists students as they explore career opportunities. Services are wide-ranging and include everything from helping with the selection of a major to exploring internship and career options.

UNIVERSITY HEALTH SERVICE (UHS)
207 Fletcher Street
(734) 764-8320
uhs.umich.edu
The UHS offers comprehensive outpatient medical services to all students, faculty, staff and dependents. The office is committed to helping students stay healthy while accommodating their demanding schedules.

WOLVERINE WELLNESS
207 Fletcher Street
(734) 764-8320
uhs.umich.edu/wolverine-wellness
Wellness coaches work with undergraduate and graduate students to help them set and achieve wellness goals, explore the 8 dimensions of well-being, and learn resilience and coping skills.
CENTRAL CAMPUS MAP

Bus routes and schedules change periodically. For current bus schedules go to

ltp.umich.edu/transit/routes.php
NORTH CAMPUS MAP

Bus routes and schedules change periodically. For current bus schedules go to

ltp.umich.edu/transit/routes.php
GOOD LUCK IN YOUR FIRST YEAR

From all the staff of the Engineering Advising Center, we wish you the best in your first year and we look forward to seeing you at our welcome event (engIN) on Wednesday, September 4!

The EAC should be the first place you go to find information on resources and opportunities at the University of Michigan.

Please refer to our website for links to important information:

advising.engin.umich.edu

#UMICHENGIN23