College of Engineering

Minors and Program Opportunities
We highly encourage you to explore something beyond your major!
Expand your Education

• More than 100 minors available at UM!

• Specialized options for Engineering students:
  • ArtsEngine
  • Center for Socially Engaged Design Specialized Study Programs
  • Center for Entrepreneurship
  • Engineering Honors Program
  • Global Health Design Initiative
  • International Minor in Engineering
  • Minor in Multidisciplinary Design

bulletin.engin.umich.edu/ug-ed/engin-minors/
• Supporting Student Projects and Research
  ○ Student Microgrants
  ○ Art/Sci Residency Program
• Supporting Student Collaborative Practice
  ○ Collaborative Matchmaking Tools
  ○ Interdisciplinary Career Toolkit
• Supporting a Student Community of Makers on North Campus
  ○ Living Arts
  ○ Makers:Space - Workshops, Tools, and Programs
• Sponsoring Interdisciplinary Coursework
  ○ UARTS 250: Creative Process (Winter semester)
• Sponsoring Interdisciplinary Programs
  ○ a2ru Emerging Creatives Summit
  ○ Science As Art Competition

Program Contact: Deb Mexicotte | dlmexico@umich.edu
3360 Duderstadt Ctr. | artsengine.umich.edu

~Interdisciplinary, Integrative, Creative, Innovative, Experiential~
Build the skills you need to define and act on opportunities to serve society and the environment. Learn how to work through assumptions and engage with people and communities throughout the design process. C-SED offers in-person and online trainings, consultation services, fieldwork experiences, and collaborative workspaces for student designers and design teams. Sampling of Examples:

- ENGRx55: Finding Genuine Design Opportunities
- ENGR in class workshops in SED Methods
- Supporting co-curricular teams
- Summer Studio Internships
- Program in Socially Engaged Design (9 credits)

Program Contact: Erin Moore | mooerin@umich.edu
3340 GG Brown | csed.engin.umich.edu
Learn entrepreneurship from *real* entrepreneurs

- 25 Undergrad ENTR Classes, earn up to 4 credits of PCDC w/in CoE’s IntellBreadth
- Startup Immersion Treks across Michigan and Nationwide
- Incubator and Accelerator Programs
- Entrepreneurs Leadership Program and TechLab@Mcity

*What else does the CFE offer?*

1-on-1 *advising* by experienced mentors plus
4 ENTR *study abroad* collaborations with IPE
CoE Honors Requirements:
✓ 3.6+ GPA for admission
✓ Honors Seminars focused on leadership development
✓ Any academic minor
✓ Focus Area in research, design, entrepreneurship, or public service
✓ Honors Capstone project

Engineering Global Leadership (EGL) Specialization:
❖ Same requirements with specialized focus
❖ Minor: International Minor
❖ Focus Area: Global Business/Operations
❖ Capstone: Tauber Project
❖ College of Engineering Master’s Degree

Interested in Honors? Visit our Peer Advisors!
Monday-Friday 1-5pm
Program in Global Health Design
9 credit specialized study program that allows students to focus their elective courses and upper level design coursework on global health
✓ Project-Based Design Foundations Course with Global Health Themed Project
✓ Global Health Foundations Course
✓ Depth Course

Academic Program
❖ Combines summer fieldwork experience at a hospital in Ghana, Kenya or Ethiopia with design coursework at UM
❖ Earn MDP Minor with Global Health Design Specialization
International Minor for Engineers

16 credit minor incorporated into your U-M degree:
✓ Foreign Language proficiency (2nd year)
✓ International courses (9 credits min.)
✓ International experience (6 weeks or longer)
✓ ENGR 260 - Engineering Across Cultures (1 credit course)

Go Abroad

✓ Summer 2019 Study Abroad Application Deadline
  ○ EXTENDED DEADLINE: March 17th, select programs
  ○ https://ipe.engin.umich.edu/ipe-summer-programs-extended-deadline/
Students from across campus earn academic credit through a variety of co-curricular, professional design team experiences:

- partner-sponsored projects  *(recruitment each fall!)*
- faculty research student teams (FRST)  *(main recruitment each fall)*
- student competition & design teams  *(join anytime!)*

**Also offering a 15 credit academic minor:**

- Two traditional courses (ENGR 100 can count!)
- 7 credits: multi-term design project
- 2 credits: ENGR 456 leadership/mentorship course

Program Contact: Megan Langille | mlangill@umich.edu
117 Chrysler Center | mdp.engin.umich.edu
Departmental Engineering Minors

- Climate and Space Sciences and Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Materials Science and Engineering
FAQs

Q: When can I declare a minor?
Q: Can I complete more than 1 minor?
Q: How will my minor interact with my major?

Please visit our websites for additional information!
bulletin.engin.umich.edu/ug-ed/engin-minors/