Welcome to Mechanical Engineering!

- Welcome
- What do we do in ME?
- ME Advising
- Co-op Program
- ME Scholarships
- Student Organizations
- Alumni Panel Session
- Networking
Top 20 companies that hire our graduates

- 3M
- Andersen
- Polaris
- Life Fitness
- Medtronic
- Emerson
- TURCK
- MTS
- Tesla
- Abbott
- Cargill
- National Instruments
- FLINT HILLS RESOURCES
- BFA Engineering
- Honeywell
- THERMO KING
- Wold
- General Mills
Your new advising home is ME (not CSE)
Meet with ME faculty adviser (at least) once/year
Schedule appointments on-line at: http://meadvising.appointments.umn.edu
Schedule early to avoid rush before registration opens!
All advising appointments take place in ME 1120 (in the Student Advising Office)
Ms. Miranda Miller is available to answer your questions in ME 1120
Mechanical Engineering Department Scholarships

>$100K in scholarships available!

Candidates evaluated on:
• Academic achievement
• Progress to degree
• Financial need
• Campus & other professional activities
• Leadership & community service
• Quality of personal statement

New travel grant available for undergraduates who would like to attend a professional conference!

Check the welcome email you received or visit:
http://www.me.umn.edu/education/undergraduate/scholarships
Integrate up to one year (3 semesters) of work experience into your undergraduate curriculum

Job Fair:
Third week of each semester
(Fall & Spring)

Dozens of local companies looking to mentor you with on-the-job engineering training

www.co-op.umn.edu
She is ME

- New initiative
- Intent: unite and support women in upper division ME
- Study, social and professional events
- Prof meet and greet Tue Feb 6th 10-11
- Room 325A in ME
- Volunteering

Rachel: and04283@umn.edu
Celia: gonza777@umn.edu

She is ME University of Minnesota
https://www.facebook.com/groups/She.is.me.umn/
Next General Meeting: TONIGHT! Thursday, January 25th
5:30pm BruH 220
• Professional Development:
  • Events with MEAC (Mech. Eng. Advisory Council)
  • Industry Professionals
  • Company Info Sessions
  • Site Tours (e.g. Flint Hills Refinery, Greenheck)

• Drone design Competition:
  • Groups design and manufacture unique robots to compete for maximum points during competition.
  • Learn to use CAD software, design for manufacture, use Anderson lab and ME shop equipment, how to code microcontrollers, integrate sensors, and much more!

• Volunteer and Community Outreach Events

• Semi-annual Tech Elective Lunch
• Connect with Fellow ME Students!

• Get Involved!
  Email: ASME@umn.edu
  Website: asme.umn.edu
  Facebook: @ASMEUMN
General Meetings: Every other Thursday from 6:30pm – 7:30pm @ Bruininks Hall 330 (Next Meeting: 9/28)

ewh@umn.edu
z.umn.edu/umnEWH

Work on Technical Projects, Build Technical Skills, Volunteer, Participate in Outreach, and Facilitate Conversations around Healthcare

Technical Projects to Get Involved with:

- e-NABLE: https://z.umn.edu/callenshand
- Seemore at Sealife
- 3D Printer Build: https://z.umn.edu/ewh3dprintinterest
- National EWH Design Competition: https://z.umn.edu/ewhdesigninterest
- Start your own project!

Build technical engineering skills at general meetings!
CAD workshop: z.umn.edu/3dpworkshop2017

Justine Schneider
Connect with us!
Email - bets@umn.edu
Facebook - Building Engineering Technical Skills

Julia Van Luyk
Engineers Without Borders

**The Process**

- **Assessment Trip**
  - Baseline Data Collection
  - Problem Determination

- **Implementation Trip**
  - Implement Solution to Engineering Problem
  - Educate community about use and repair

- **Impact Monitoring**
  - Extensive community surveying ensuring impact
  - Data collection to show improvement

**Guatemala**
- Thursdays, 7-8pm
- Bruininks 114
- Niki Spence: spenc471@umn.edu
- Lily Hock: hockx012@umn.edu
- Kai Johnson: joh13602@umn.edu

**Ethiopia**
- Tuesdays, 7-8pm
- Bruininks 530A
- Andrew Kanewske: kanew004@umn.edu

**Paraxaj, Guatemala**
- Challenge: Build a water distribution system to serve 800 people
- Projects:
  - Pumps and piping
  - Wells and drilling
  - Water storage, tap stands, break tanks

**Filakit, Ethiopia**
- Challenge: Community has insufficient clean water for irrigation, and drinking.
- Projects:
  - Drip irrigation
  - Water Distribution
  - Solar Injera Cooker

Website: [www.ewb-umn.org](http://www.ewb-umn.org)
Facebook: [www.facebook.com/EWBUMN](http://www.facebook.com/EWBUMN)
Contact Info:
Email: sae@umn.edu or goods069@umn.edu
Office: Mechanical Engineering Room 125D
Website: www.gophermotorsports.com
Facebook: /GopherMotorsports
Meetings: Mondays & Thursdays at 6:00pm
Room: ME 18

Quang-Chao Truong
Solar Vehicle Project

• 2017 Bridgestone World Solar Challenge in Australia

• American Solar Challenge Summer 2018

• Check out our website: umnsvp.org

• Interested? Email: svp@umn.edu
Alumni Panel
Kristin Mortenson, Ken Floren, Jim Radomsky, and Tom Dressel