Come to a Meeting!
Meetings are held every Tuesday at 4pm in Chem Sci 211.

Visit Our Website
www.aee-mtu.org

Email One of Our Advisors:
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Why Choose AEE?
Joining AEE will provide you valuable hands-on experience by completing projects in:
- Biofuels and Bioprocessing
- Solar Energy
- Wind Energy
- Geothermal Energy
- Fuel Cells
What AEE has to Offer

AEE is an enterprise that is focused on alternative energy research but also has opportunities to design and implement alternative energy projects around the UP. AEE members work in a team to apply their technical skills to complete innovative projects. Alternative energy requires a variety of disciplines and AEE encourages all majors to join. Some benefits in joining AEE include:

- Earn a minor in Enterprise or Alternative Energy Technology
- Build your resume, technical, and entrepreneurial skills
- Learn the importance of safety
- Interact with interdisciplinary teams. AEE currently has ChemE, EE, ME, CS, and other majors already participating.
- Network with companies, professors, and students. Getting to know professors and companies could open career opportunities in R&D and industry.
- Gain insight from upperclassman and create long lasting friendships

KRC Projects

The Keweenaw Research Center (KRC) is a partner of AEE. There is a variety of alternative energy projects that the KRC has given AEE an opportunity to work on. Some of these projects include:

- Utilizing water filled mine shafts as a source for geothermal heating and cooling in the Keweenaw.
- Provide solar energy systems solutions with optimal year-round performance that maximize energy production, return on investment environmental impact while minimizing costs for residential and industrial consumers.

Other Projects

There are also several other projects that AEE is involved with.

- AEE has projects that are sponsored by companies. Teams work with companies and their engineers to complete energy related projects.
- Work with Dr. Shonnard’s research team in operating the biomass pyrolysis plant. Learn the process of pyrolysis that creates bio-oil from varying biomass, how to write JSA’s, and pilot plant operation. Great opportunity to get hands on chemical engineering experience.