Women in Engineering
Michigan State University
Women in Engineering are in high demand.

There are opportunities to blend engineering with many other interest areas and industries.

An engineering degree is also a good base for many different education paths including medical school, law school, etc.

Michigan State University College of Engineering is committed to increasing the percentage of women. As well as, supporting these women throughout their college career.
Mission

Women in Engineering, Recruitment and K-12 Outreach

Introduce, engage, and inspire girls and women to pursue engineering careers with a goal of increasing the percentage of female engineers at MSU.

This is achieved by:
1. Partnering with students, faculty, staff, and alumni to showcase engineering opportunities.

2. Cultivating leadership and personal growth in current students, by developing various skills, such as: written and oral communication, interacting with diverse audiences, and creative problem solving skills.

3. Advocating and promoting diversity.

4. Increasing awareness of the broad and meaningful opportunities engineering offers women to make a difference in the world (what is currently a male dominated field.)
Incoming Female Freshmen Data

<table>
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<tr>
<th>Year</th>
<th>Women Enrolled</th>
<th>Total Enrolled</th>
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<tr>
<td>2018</td>
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Incoming Female Freshmen - Percentages

Percent Female Enrollment in MSU's College of Engineering

Year


% Female Enrollment

0% 5% 10% 15% 20% 25% 30%

16.1% 18.9% 24.3% 22.7% 21.7% 23.0%
WIE Outreach

• CO-ED High School Programming Competition - grades 9th-12th
  • Collaborate with faculty and graduate student to host a Co-Ed programming competition. We will be hosting our fourth competition in Fall 2019.
  • MSU Co-Ed High School Programming Competition

• Girls who Code (NEW)- January- April (includes leadership training and freshmen leaders) – grades 6th-12th
  • Computer science students follow the official “Girls who Code” curriculum. They teach for two hours a week for ten weeks. Two clubs are being started in Spartan Girls Who Code

• “STEM Demo Day for Girls—November 23 – grades K-4th
  • A collaboration between faculty, graduate and undergraduate students, and staff across MSU STEM disciplines and departments convene to put on a STEM day with Demos which highlight their fields. 250 girls (not including chaperones)
WIE Outreach

• “Introduce a Girl to Engineering” Hands on Demo Day for 400+ girls — February 22 - grades 4th – 8th
  • Over 150 volunteers made up of students (including freshmen), faculty, and staff, work together to make this a successful event by providing engaging “hands on” activities. We expect to reach close to 500+ girls.

• Inspiring Teacher’s Award (Nominations by First Year students)
  • This breakfast will serve as an encouragement to the nominating first year women students to stay in engineering. In addition, it will serve as a way of “giving thanks” as well as an encouragement to teachers who work tirelessly to inspire women to pursue careers in primarily male dominated fields such as engineering. These incoming first year women in engineering students will nominate an inspiring teacher from their high school

• STEM Nights, Workshops
  • Provide hands-on demos and distribute WIE material to local area schools
Spring Semester Outreach Event - Introduce a Girl to Engineering

[Introduce a Girl to Engineering video]