

2021 SUMMER CAMP SCHOLARSHIP OFFERINGS

WISCONSIN

Robotics & STEM Camp

Location: University of Wisconsin - Green Bay

Ages: 9th grade

Dates(s): TBD

Camp description:

Hands-on, interactive camp! Campers will be partnered together with youth of similar programming knowledge. Each team will be provided a computer and a Lego Mindstorm NXT kit. Teams will be given missions (challenges) to complete, requiring them to build a robot and develop programming to allow the robot to “solve” the real world challenges. To further connect this camp to real life practices, campers will participate in a field trip to a business using robots in their business practice.

Explore, Discover and Focus

Location: Milwaukee School of Engineering

Ages: 10-12th grades

Dates(s): TBD

[Camp website](#)

Camp description:

Explore camps are an opportunity for students to spend the week rotating through half-day programs to learn about each of MSOE’s engineering and business majors and determine which interests them the most. Two majors will be introduced each day through hands-on curriculum. Majors include: business administration, construction management, and architectural, biomedical, biomolecular, civil, computer, electrical, industrial, mechanical, and software engineering. The Women in Engineering Summer Program has identical content to the Explore program.

Engineering Tomorrow’s Careers Camp

Location: University of Wisconsin - Madison

Ages: 11-12 grades, 10th are considered (Female Only)

Dates(s): TBD

[Camp website](#)

Camp description:

Engineering Tomorrow’s Career (ETC) Camp is a week-long outreach effort open to female high school students in the Midwest. It is run by two SWE officers who are represented by the College of Engineering Diversity Affairs Office (DAO) with support from the ETC Committee, National SWE, and the Pre-College Council. The goals of this camp include giving girls the opportunity to explore various disciplines within engineering, meet other young women with similar interests, and experience college life. Typical activities include lectures, labs, and tours of UW-Madison engineering facilities. The activities cover nearly all fields of engineering offered at UW to give campers a chance to find out what interests them the most. Campers and counselors dine and stay overnight in one of UW’s Lakeshore dorms, Dejoje Residence Hall, for the week.

Women in Engineering

Location: Milwaukee School of Engineering

Ages: 10-12 grades (Female Only)

Dates(s): TBD

[Camp website](#)

Camp description:

This week-long residential camp will give girls entering 10th through 12th grades an opportunity to explore 10 different engineering disciplines. The disciplines explored consist of computer science, architectural, biomedical, biomolecular, civil, computer, electrical, industrial, mechanical and software engineering. The academic activities will be taught by MSOE faculty with assistance from female engineering students from MSOE. Students will also take industry tours and be able to apply engineering in the real world. The Women in Engineering program has much of the same content as the Explore Summer Program, but with more of a focus on women in the fields of engineering.

Focus on Electrical Engineering

Location: Milwaukee School of Engineering

Ages: 10-12 grades

Dates(s): TBD

[Camp website](#)

Camp description:

Electrical engineering (EE) is one of the broadest of the engineering disciplines. Electrical engineers work with very small devices such as integrated circuits, which are present in virtually any electronic device, and large items such as the electric power grid that stretches across the nation. Electrical engineers also work heavily with computers, particularly on the hardware side, but also may be involved with programming. Specialization areas in electrical engineering include electrical and electronic circuits, microcontrollers, motors, and wireless communications. The week-long summer camp will introduce you to a few selected topics in the EE field. Many of the activities planned for the week involve hands-on projects for which working with your camp-mates and the instructors will be necessary.

Robotics Day Camp

Location: University of Wisconsin - Eau Claire

Ages: 9-12 grades

Dates(s): TBD

[Camp website](#)

Camp description:

For students entering 9th-12th grade. Students will receive academic instruction in robotics and engineering related areas, team building activities, take engineering related field trips, and participate in other educational activities around campus and in the community.