Counseling 24-Hour Supervision

Two counselors, approved by the University, will be on duty following the day sessions. The counselors will live, eat, work, and participate in recreational activities with the students. The University promotes an atmosphere of fun during the week, but will not accept poor discipline or conduct. Camp starts at 4 p.m. Sunday, and ends at 3 p.m. on Friday.

Recreation

Participants will have full access to the multi-million dollar James Norris Athletic Center and the Student Activity Center. Included in the complex are a weight training facility, multi-purpose gymnasium, swimming pool, racquetball, basketball, volleyball, tennis courts, and softball fields.

Accommodations

Housing will be provided at the University's honors students' housing complex with two students per room. Meals will be provided at the spacious Quarterdeck dining facility. Students are encouraged to live-in and benefit from the away-from-home, college-life experience.

Shirts and Certificates

Each student will receive a t-shirt and a Lake Superior State Summer Robotics Camp certificate of achievement upon completion of the program.

What to Bring

Shorts, tennis shoes, towels, toiletries, swim suit, light jacket, rain jacket, **sleeping bag or sheets, blankets, pillow, small portable fan**, and money for incidental expenses.

It is the policy of Lake Superior State University that no person shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in employment, or in any program or activity for which the University is responsible on the basis of race, color, national origin or ancestry, gender, age, disability, religion, height, weight, sexual preference, marital status or veteran status.

Cost & Scholarships

LSSU's summer engineering camps are exclusive programs limited to only 16 gifted and talented students per camp. The cost to offer this program is $995 per student which includes tuition, fees, room and board. **A $300 scholarship** is awarded to all participants reducing the cost to $695. If you are requesting an additional scholarship award, please complete and return the Scholarship Application form. Additional scholarships will be awarded on a first-come, first-served basis to qualified individuals.

From our campers…

- *"This camp was so much fun, I forgot it was educational."*
- *"Please use my quote: 'Best camp EVER.'"*
- *"It was great to hang out with others who had the same interests as me and were really smart, too."*
- *"I learned a lot about robots and other engineering topics. It was super fun."*
- *"I Love LSSU."*
- *"This camp was the 'awesomest' thing I have ever been to."*

Visit

WWW.LSSU.EDU/ENG/CAMPS

for dates, online registration and downloadable program and scholarship application forms.

Apply online, or mail application and registration fee to:

Summer Robotics Camp
Department of Engineering & Technology
Lake Superior State University
Sault Ste. Marie, MI 49783-1699
Phone: 906-635-2207
E-mail: engineering@lssu.edu

Women in Technology Program

For Gifted and Talented Young Women Entering Grades 8-12

An exclusive program taught by University professors and offered only to a select group of 16 participants.

LAKE SUPERIOR STATE UNIVERSITY

School of Engineering & Technology

Sault Ste. Marie, Michigan

Women in Technology

The Women in Technology program has been offered at Lake Superior State University (LSSU) since 1991. This program is an outstanding way to introduce the young scientific mind to the future opportunities of a high-technology world. Our hands-on approach, along with lectures, videotapes and demonstrations is designed to spark the interest of the future scientists and engineers of our country. This experience is ideal for college-bound students and exactly the type of activity recruiters are anxious to see on a college application.

Students attending the Women in Technology program will receive hands-on experiences with computer programming, industrial robots, automation, computer-aided design, GPS, computer animation, electronics and Web page development. With each experience, the opportunities for women in these areas are discussed and current applications of the technology are presented utilizing state-of-the-art equipment.

Arrangements can also be made with faculty to discuss any questions that students may have regarding other technology-related fields. Faculty are happy to assist students in their career planning.

Evening activities scheduled during the week include: swimming, ice skating, athletic activities in the university's multipurpose gymnasium, movies, putt-putt golf, and visits to local tourist attractions.

On the final day of the camp, students will have an opportunity to demonstrate a final project and activities performed during the week to family and friends.

LSSU houses one of the most modern technological educational facilities and one of the best robotics labs in the USA. The University offers B.S. degree programs in computer, electrical, and mechanical engineering; engineering management; manufacturing engineering technology and electrical engineering technology. LSSU is one of a few universities in the U.S. *to offer students an option to specialize in robotics and automation in the undergraduate engineering programs.*

We hope you plan to attend our Women in Technology program this summer. **We believe the combination of fun and education will be an experience that students will remember all their lives.**

Participants enjoy a picnic along the Lake Superior shoreline.

Typical Day's Schedule

7:30	Wake-up
8:00	Breakfast
9:00	Video/Lecture: Robot applications in industry
10:00	Introduction to computer animation. Hands-on computer application projects
12:00	Lunch
1:00	Fanuc, Adept or Staubli robotics project (3 hours hands-on experience)
4:00	Discussion on careers in engineering and college admission
5:00	Dinner
6:00	Recreation (volleyball, swimming, racquetball, etc.)
8:00	Movie
10:00	Lights out

Selection Criteria

Several qualifications will be considered in the selection of a participant including the following:

- Grade point average (minimum 3.0)
- Student essay
- Recommendation letter(s)
- Results from national standardized tests (including ACT, SAT, talent search test scores, etc.) if available
- Extra-curricular activities such as LEGO©, FIRST robotics or similar competitions; athletic, honors or musical activities; volunteer activities or other academic camps

No prior knowledge of robotics or other engineering technology topics is required. Participants will be required to work in a team setting with computers and industrial equipment (such as robots). Students should possess fine motor skills to work with lab/test equipment and sensors. **In many sessions and activities, participants will be split into groups according to age and talents.**

Faculty

All classroom and laboratory experiences will be directly supervised by several LSSU faculty members. Two engineering professors will serve as the program coordinators. Talented LSSU engineering student staff will be interacting with the participants on a one-on-one basis in the laboratory activities.

Facilities

Lake Superior State University's Robotics and Automation Laboratory is one of the best educational facilities in North America with modern equipment. This facility was recognized by the Technology Accreditation Commission (TAC) of ABET as one of the most complete and advanced facilities of its kind in the country. With extensive laboratories and limited camp enrollment, each participant will have plenty of personal hands-on experience with state-of-the-art equipment.