A summer program for high school girls and minorities

Summer Experience in Science and Engineering for Youth

July 15-20, 2012
Arrival: 4pm on July 15th
Departure: 7pm on July 20th

Application Checklist:

• Application form signed by your parent or guardian
• Handwritten essay 1-2 pages long
• Grade transcript from last year and the first semester of this year

Mail all of the above items in one envelope to:
Summer Experience in Science and Engineering for Youth
School of Chemical, Biological and Environmental Engineering
Oregon State University
102 Gleeson Hall
Corvallis, OR 97331-2702

Application and Information

For an application or answers to your questions, send an e-mail to skip.rochefort@oregonstate.edu or telephone 541-737-2408.

Applications should be postmarked by May 13, 2012. Notification of acceptance will be made by June 1, 2012.

Skip Rochefort, Co-Director
School of Chemical, Biological and Environmental Engineering
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Summer Experience in Science and Engineering for Youth

Department of Chemical Engineering
Oregon State University
102 Gleeson Hall
Corvallis, OR 97331-2702

SESEY Web page:
cbee.oregonstate.edu/sesey

Funded by the Camille and Henry Dreyfus Special Grants Program, OSU Precollege Programs Office, College of Engineering, National Science Foundation, Bridges Family Foundation and Hewlett Foundation.

Oregon State University is committed to affirmative action and equal opportunity and complies with Section 504 of the Rehabilitation Act of 1973.
Is SESEY for me?

This program is for high school girls and minorities that are traditionally underrepresented in science and engineering. Participants will have completed their freshman, sophomore or junior year in high school and have an interest in math and science.

The program is intended to introduce girls and minority students with an aptitude for math and science to engineering fields and to encourage them to consider careers in engineering. The program will culminate with a presentation of student projects in a poster session to faculty, participants, parents and friends.

Students attending SESEY will spend a week with a research group in the College of Engineering at Oregon State University. Each student will work with a faculty member and student mentors on a week-long project in an area such as:

- Plastics identification, processing and recycling
- Biomaterials and biomedical polymers
- Materials processing for microelectronics applications
- Bioprocess and biomedical technology
- Manufacturing engineering

The program also includes a trip to the OSU Hatfield Marine Science Center, computer instruction and evening recreational programs. Those attending will live in university housing during the week of the program.

Up to sixty students will be selected from applicants who meet these criteria:

- A girl or a member of a minority group that is traditionally underrepresented in engineering
- A high school freshman, sophomore or junior
- Able to participate for the entire week of the program

In addition, several high school teachers will be selected to participate in a concurrent program involving the development of high-school level modules related to science and engineering. Participating teachers are expected to incorporate this material into their courses the following academic year. Each selected teacher will be allowed to nominate one student from her or his school to participate in the student portion of the SESEY program.

Note: Interested high school science teachers should contact the program directors individually.

How much does it cost?

The program fee of $200 (payable upon arrival) per student includes room and board. Assistance, including full and partial scholarships, is available upon request. Assistance is awarded based on need.

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Parents and/or guardians are responsible for the student’s travel to and from Corvallis. Out-of-state travel stipends may be available.

How do I apply?

Your completed application should be postmarked by May 13, 2012, to be considered. A completed application includes all of the following:

- Application form complete with your parent or guardian’s signature.
- Handwritten essay in your best writing style describing yourself and your family, including information about your activities, hobbies and awards, along with a statement about why you want to attend SESEY (1-2 pages)
- Grade transcript of your grades for last year and the first semester of this year. Your guidance counselor can help you with this.

Successful applicants will be notified by June 1, 2012.

The Summer Experience in Science and Engineering for Youth (SESEY) will be held on the Oregon State University campus in Corvallis July 15–20, 2012.