

Student Internship Program

Draft Outline of Scope of Work, 6/25/09

Desired activities and results

The project should include

- Recruitment of mentors that will provide students a high quality internship experience that allows them to experience engineering¹ first hand.
- Training mentors so that they understand how to effectively perform their role
- Recruiting Oregon students from diverse backgrounds to participate as interns.
- Matching of students to internships that provide opportunity over at least six weeks. Up to 50% of the student internships may take place in Oregon universities.
- Provide culminating event(s) that cause the interns to reflect on and report to others the learning that has occurred.
- Support of mentors and interns to assure a high quality experience
- Evaluation of level of satisfaction of the students with the program as well as the impact that it has had on their college plans.

Criteria

Priority will be given to programs that

- have a history of placing students in engineering internships that offer real-world problem-solving and open-ended learning with intensive interaction with practicing engineers
- have a history of outreach to underrepresented groups
- have a central organization through which activities can be coordinated, metrics can be collected and reported, and funds can be properly accounted.
- have existing infrastructures for recruiting and using volunteers, especially mentors.
- offer internships of sufficient length, focus and type that the intern emerges able to articulate the impact his or her field of engineering has upon society.
- require culminating events that cause the intern to reflect on and report to others the learning that has occurred.
- mentors are given training on how to effectively perform their role and are supported throughout the internship.
- have a plan for making the program sustainable over time.

¹ "Engineering" will include all aspects and subspecialties of computer science, mechanical engineering, industrial and manufacturing engineering, environmental engineering, materials science, nuclear engineering, transportation engineering, aerospace engineering, electrical engineering, chemical engineering, biotechnology, civil engineering, and any other engineering discipline approved by ETIC for an internship.