

Engineering and Technology Industry Council

New Initiative Proposal

Biennium from July 1, 2005 to June 30, 2007

Campus: Pre-College Collaborative Proposal
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Summary of Proposal: Outreach by PSU/Saturday Academy, OSU/Extension and OIT Precollege Programs

Under this proposal, the collaborating institutions will develop activities, collaborations and/or programs to attract young people from underrepresented backgrounds to the programs funded through the core pre-college proposal.

The three collaborating institutions (Saturday Academy at PSU, OIT Pre-College Programs and the OSU Extension Service) propose to use *existing infrastructure and proven programs* to coordinate the delivery of high quality science, math, technology and engineering education to pre-college youth statewide. Each program will assist the others in identifying and referring interested students from underrepresented backgrounds to the appropriate programs. The Collaborative Program will work proactively to involve individuals from groups traditionally underrepresented in engineering, technology and the sciences.

These direct investments in the pipeline will contribute to the long-term economic growth of Oregon. By working across institutional boundaries and serving young Oregonians statewide, the work of the Collaborative will expand the pool of potential enrollees from underrepresented backgrounds at all Oregon colleges.

Goals

Macro:

- Instill in pre-college Oregonians from diverse backgrounds an understanding of the world of science, technology and engineering as it relates to their own career choices, thereby resulting in a greater number of young people entering these professions
- Serve a geographically and socially diverse population
- Leverage and expand capacity through institutional collaboration

Micro:

- Introduce participants to role models and mentors in math, science, engineering and technology
- Increase participants' interest and provide a better understanding and awareness of math, science, engineering and technology related careers
- Build participants' confidence and skills in technical and entrepreneurial endeavors
- Provide opportunities to practice creative problem solving in real world situations

- Increase participants’ team, communication and technology skills needed to succeed in the workplace
- Enable participants to experience the relationship between engineering/technology disciplines and their applications to everyday life

Investment Description

Each member of the collaborative will hire experienced outreach staff to:

- recruit students from underrepresented backgrounds who reside in the Collaborative members’ core service areas,
- design and implement culturally appropriate activities that assist students from diverse backgrounds in participating in programs offered by the Collaborative,
- design a common method for reporting the impact of the initiative.

Results

In FY06, Collaborative members will establish metrics and design a common method for reporting the impact of the investment, with the goal of reporting results in FY07.

Financial Investment

Pre-college New Initiative investment for the biennium total	\$770,000
OIT Pre-College Programs:	\$256,666
OSU/Extension:	\$256,666
PSU/Saturday Academy:	\$256,666

This represents 3.5% of a total presumed request from host institutions of \$22M. This is the same percentage as awarded in Biennium 03-05. Pre-College will adjust real figures when total requested by host institutions is known.

Private support will be reported through each program’s host institution.

Metrics Forecast

In FY06, Collaborative members will establish metrics and design a common method for reporting the impact of the investment, with the goal of reporting results in FY07.