

Engineering and Technology Industry Council (ETIC) 2009 Legislative Session

ETIC guides and implements the state's strategic investments in engineering and technology education, and increases research capacity at Oregon's public universities to foster economic growth. The ETIC budget funds programs at OUS campuses. Guided by industry leaders on the Council, ETIC strategies

- serve Oregon's workforce needs by increasing the quality and quantity of engineering and technology graduates;
- enhance the research that Oregon industries need to deliver innovative, efficient products and services; and
- give Oregon students the skills and opportunities to prosper and succeed in high-paying, rewarding careers.

Partnership focused on measurable results

ETIC is a public-private partnership in which investments are **leveraged at least two-to-one by private dollars** – providing funding for students, faculty chairs, new educational programs, and facility and equipment infrastructure. To date, the state's ETIC investment has **leveraged more than \$100 million** in private support to university programs.

ETIC initiatives create engineering & technology graduates who can immediately contribute to Oregon industries, helping their employers create new products and services and enhancing existing ones. ETIC initiatives reduce the need for employers to look out of state for technical professionals, provide high paying jobs to Oregonians; and reduce employer costs, making Oregon a more attractive state in which to do business.

Technology is everywhere today; all segments of the economy need skilled engineering and technology workers. **ETIC investments are designed to serve all Oregon's industries** – from high tech and agriculture to tourism and forestry, as well as other key economic sectors, such as sustainable energy, healthcare, transportation, manufacturing, and financial services.

ETIC History and Goals

In 1997, the Oregon Legislature passed SB 504, and ETIC was born. The Legislature, Oregon public universities, and the state's engineering and high-tech industries discovered that by working together and investing public and private dollars, Oregon could create world-class engineering and computer science programs in the state.

ETIC initiatives support well-paying career opportunities for Oregon's best and brightest young students, provide highly skilled graduates for Oregon's industries, and link universities and companies in research projects to foster innovation and solve problems. Goals and accountability for measurable results are a key component of ETIC's work.

ETIC goals are to create world-class institutions, double the number of engineering, computer science, and applied science degrees awarded, and increase five-fold the research funding coming in to Oregon.

ETIC Funding in the 2009-2011 Governor’s Recommended Budget

The Governor’s Recommended Budget includes a \$3 million increase in ETIC investments, which would allow ETIC programs to recruit an additional \$11 million in private support during the biennium. The 2009-2011 investments focus on increasing the quantity and diversity of graduates, with a special focus on graduates and research available to support Oregon’s sustainable and clean technology industries.

The increased investments during the 2009-2011 initiatives are focused on:

- Expanding the pool of well-prepared middle and high school students who choose to pursue engineering and applied science by increasing students’ exposure to these fields in both classroom setting and through after school activities.
- Enhancing student retention programs using learning communities, academic support, advising, and intervention for academically “at risk” students, peer mentoring, and undergraduate research.
- Increasing clean-technology education and research, including alternative energy sources, green building and product development, and other areas.

ETIC Allocation Recommendation, 2009-2011 Biennium	
Recruitment	\$0.2 million
Retention	\$0.8 million
Clean Technology	\$1.9 million
Total State Support	\$3.0 million
Expected Private Support	\$10.7 million
Total	\$13.7 million

ETIC Investments pay off for Oregon		
Year ending June	Total Degrees BS, MS, & PhD	Funded Research (Federal & Private)
1999	1,157	\$32 million
2007	1,498	\$56 million
2013 forecast	1,782	\$79 million
2020 forecast	1,957	\$87 million

Return on ETIC Investments

Past Legislative investments together with private support have created:

- engineering and technology talent ready to help Oregon companies compete;
- new ideas from research that have lead to new enterprises;
- opportunities for Oregonians to realize rewarding careers in engineering and technology across a wide range of industries;
- reasons for companies to stay in Oregon, grow their businesses in Oregon, or establish new facilities in Oregon; and
- innovations that have lead to new companies, attracted venture capital to Oregon and created new jobs and new exports.

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