



## ETIC: Engineering and Technology Industry Council

### *Ensuring Oregon's Prosperity Through Innovation*

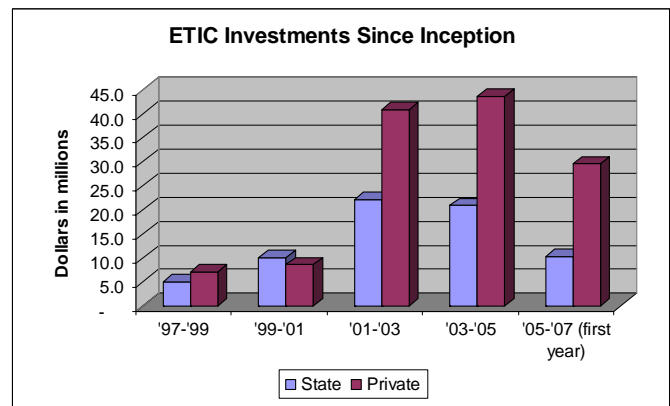
ETIC has produced measurable results for Oregon's economy since the public-private partnership was launched by the Legislature ten years ago. That innovative legislation successfully brought the state's universities and industry together in full collaboration with clear goals: graduate more and better engineers, computer scientists, and technologists; and expand research results by attracting more research dollars to Oregon.

#### A Results-Oriented Partnership

**ETIC investments have impacted all of Oregon's industries** – from high tech and agriculture to tourism and forestry, as well as other key economic sectors: sustainable energy, healthcare, transportation, manufacturing, and financial services.

ETIC investments are **leveraged two-to-one by private dollars** – magnifying the benefit to Oregon by providing funding for students, faculty chairs, new educational programs, and facility and equipment infrastructure. ETIC investments have

established a solid base that is enabling Oregon to meet its goals of more than doubling the number of engineering degrees and increasing research funding more than five-fold by 2020.



“...world-class science and engineering...[is] the principal means of creating new jobs for our citizenry as a whole as it seeks to prosper in the global marketplace of the 21st century.”

—Report of the National Academies

To date, the state's ETIC investment has **leveraged more than \$100 million in private support** and delivered the following results:

- **Increased engineering graduates by 39%** to 1600 per year
- **Increased** federally funded **research by 68%** to \$54.6 million per year and seeded ONAMI and future signature research centers
- **Upgraded** student laboratories and internship programs to ensure students graduate with work-ready skills
- **Expanded** research programs that support Oregon's existing and emerging industries
- **Grew** pre-college academic enrichment programs to help more students prepare for college

**Ensuring Oregon's prosperity** drives the ETIC public-private partnership. Key to success for this statewide strategy are investments targeted to engineering and technology education and to research capacity at all seven OUS campuses. **Goals and accountability** for measurable results are also a key component.

Guided by industry leaders on the ETIC Council, ETIC investments provide Oregon industries with the graduates and research they need to deliver innovative products and services, while increasing their efficiency in a highly competitive world. ETIC also ensures that Oregon students have greater access to high-paying, rewarding careers and the skills necessary to compete anywhere in the world.

## ETIC Funding in the 2007-2009 Governor's Recommended Budget

The ETIC budget funds **all seven** OUS campuses, plus the OGI School of Science & Engineering of Oregon Health & Sciences University. Specifically the ETIC budget will:

- ✓ Improve program quality and capacity by increasing the number, breadth, and diversity of faculty.
- ✓ Create more work-ready graduates through innovations in education and internships.
- ✓ Build critical mass to move OSU Engineering another step toward the impact of the nation's top-25 engineering programs.
- ✓ Advance PSU Engineering toward a program of choice for students and industry seeking quality education and research programs.
- ✓ Support the signature research centers and other initiatives proposed by the Oregon Innovation Council and seed future research initiatives.
- ✓ Engage middle school and high school students in the pre-engineering and applied sciences to attract them to postsecondary engineering and technology programs.
- ✓ Improve engineering facilities and laboratory equipment to enable research growth and ensure engineering students graduate ready to deliver immediate results.

ETIC Allocation Recommendation, 2007-2009 Biennium										
(\$ millions)	EOU	OHSU OGI	OIT	OSU	PSU	SOU	UO	WOU	Pre-engi- neering*	Total
<b>State Investment</b>	0.45	2.90	1.40	21.09	7.92	0.53	3.00	0.75	1.24	<b>39.28</b>
<b>Certificates of Participation</b>				9.46	2.30					<b>11.76</b>
<b>Expected Private Support</b>	0.89	2.00	1.40	29.59	17.20	0.27	6.30	0.25		<b>57.90</b>
<b>TOTAL</b>	<b>1.34</b>	<b>4.90</b>	<b>2.80</b>	<b>60.14</b>	<b>27.42</b>	<b>0.80</b>	<b>9.30</b>	<b>1.00</b>	<b>1.24</b>	<b>108.94</b>

\*includes Oregon Pre-engineering and Applied Sciences Initiative

**State investments** and **private support** provide salaries for faculty and staff, equipment for laboratories, and underwriting for student scholarships and internships. **Certificates of Participation** accelerate renovations and equipment purchases that will assure work-ready graduates and growing sources of research funding.

### Return on ETIC Investments

These investments ensure Oregon's prosperity through innovation in three ways:

- ✓ They create engineering/ technology talent ready to help Oregon companies compete.
- ✓ They create new ideas from research that lead to new enterprises.
- ✓ They create opportunities for Oregonians to realize lucrative careers in engineering and technology across a wide range of industries.

ETIC Investments pay off for Oregon		
Year ending June	Total Degrees BS, MS, & PhD	Funded Research (Federal & Private)
1999	1157	\$32 million
2006	1600	\$55 million
2009	1816	\$81 million
2013	2227	\$97 million
2020	2657	\$185 million

### For more information

Visit [www.oregonetic.org/overview](http://www.oregonetic.org/overview) or contact Bruce Schafer, ETIC Executive Director, at [bruce\\_schafer@ous.edu](mailto:bruce_schafer@ous.edu) or 503-725-2915.

