

Industry Members

CH2M Hill
Michelle Girts

Electro Scientific Industries
Nick Konidaris

Gunderson
Gary Kaleta

Hewlett Packard
Rich Duncombe

IBM
Jim Troisi

Intel
Stephen Pawlowski

IRZ Consulting
Fred Ziari

JELD-WEN
Craig Zemke

LSI Logic
Norm Armour

Mentor Graphics
Wally Rhines

PacifiCorp
Robin Furness

PHTech
Mike Rohwer

Planar Systems
Chris King

ProDx
Eileen Boerger

Tektronix
Dave Brown

Xerox
Jim Rise

Industry Associations

AeA
Jim Craven

AOI
Harvey Mathews

OBA
Lynn Lundquist

The Engineering and Technology Industry Council... Investing in Oregon's Economy

Summary of ETIC Plan for the 2005-2007 Biennium, February 5, 2005

The Engineering Technology Industry Council (ETIC) is a public/private partnership established by SB504 in 1997 to **grow the capacity and excellence** of Oregon's engineering and technology programs. The Council has established a set of strategic goals for Oregon:

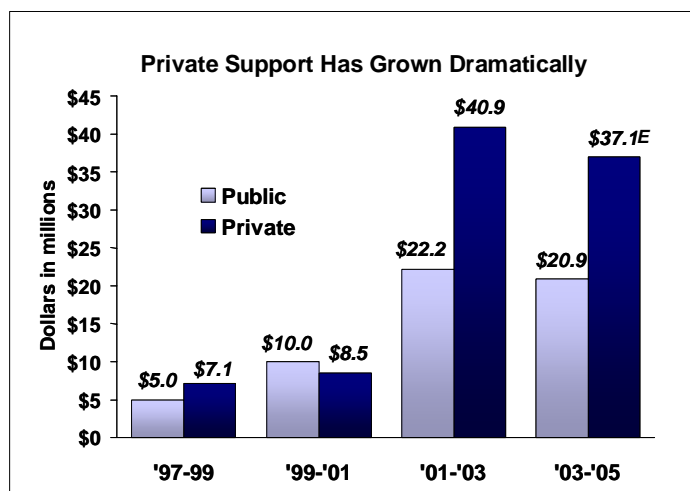
- **Double the annual number of graduates** available to Oregon companies
- **Triple the federal research dollars** flowing to Oregon
- **Grow nationally ranked programs** that supply the highly skilled graduates needed to retain and attract companies and jobs in Oregon
- **Enhance connections** between K-12, community college, and universities to ensure access for all Oregonians and a growing number of well-qualified technology students.

The ETIC Public/Private Partnership

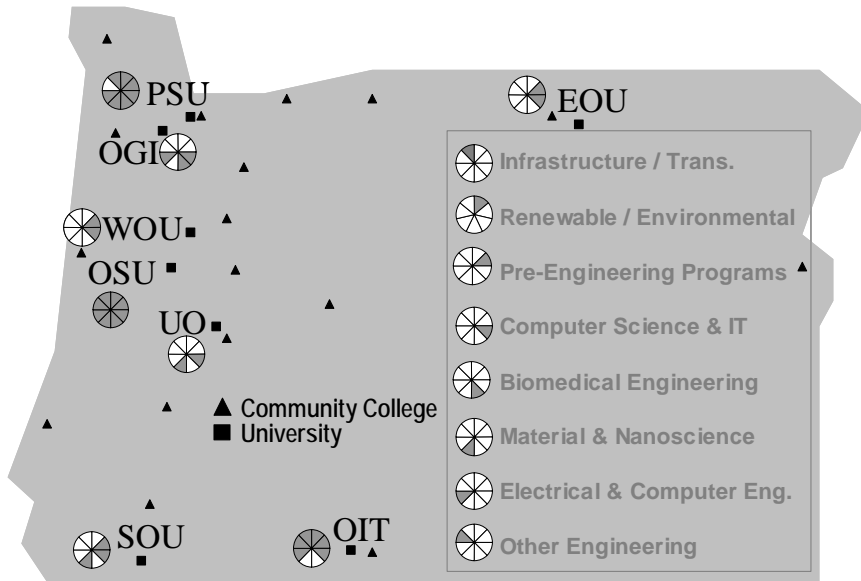
- **Assures accountability** through the use of objective metrics that are reviewed regularly
- **Benefits broad range of Oregon industries** – from secondary wood products to semiconductors
- **Builds on Oregon University System's strategy** of Access, Affordability, Academic Excellence, and Economic Development
- **Leverages private sources** – Each dollar of state money has been matched by more than \$1.50 of private sector funding.
- **Enhances Oregon's global competitiveness** via strong existing and new industry/academic alliances
- **Builds pipeline of opportunity**, attracting a diverse set of young Oregonians to engineering and technology programs through K-12 outreach programs and partnerships with community colleges.

ETIC investments have:

- **Hired 54** faculty members
- **Increased engineering graduates by 41%** to 1730 per year
- **Increased federally funded research by 39%** to \$49.1 million per year
- **Attracted \$93.6 million in private support** to university programs.
- **Upgraded** student laboratories and internship programs to ensure that students graduate with work-ready skills
- **Expanded** research programs that support Oregon's existing and emerging industries
- **Grown** K-12 outreach programs and partnerships with community colleges to increase the students prepared for university programs in engineering and technology.



High-wage opportunities for Oregonians: In 2003, the average wage of a science and technology job was more than double the state average wage (\$68,000 compared to \$33,800). This means family wage jobs for residents and increased tax revenues to support state services. A recent study from the Oregon Council For Knowledge & Economic Development concluded that there are over 70,000 information technology jobs, and that 85% of those jobs were outside of high-tech sectors. These jobs are projected to continue to grow at rates faster than the state average.



Executives from a wide range of Oregon industries and academic leaders from eight Oregon campuses oversee ETIC investments in science and engineering programs that support an array of Oregon industries from secondary wood products to semiconductors.

ETIC Allocation in Governor’s Recommended Budget for the 2005-2007 Biennium

University/ Program	State Funds (\$M)	Private Support (\$M)	Support Ratio
EOU	0.35	0.13	0.37
OHSU/OGI	2.60	4.23	1.63
OIT	1.04	0.44	0.42
OSU	9.87	19.74	2.00
PSU	5.13	7.69	1.50
SOU	0.53	0.27	0.51
UO	1.05	1.76	1.68
WOU	0.25	0.13	0.50
Subtotal / Average	20.82	34.38	1.65
Planning	0.08	0.00	0.00
Pre-college RFP	0.80	0.00	0.00
Total	\$21.70	\$34.38	1.58

The Governor’s Recommended Budget continues to invest in this program, allocating \$21.7 million in ETIC over the two-year period starting July 2005. This investment will be leveraged by private funds projected to be more than \$34 million. The combination of state and private investing, together with the increasing federal research funds, will:

- Continue towards **doubling the engineering graduates** and **tripling federal research dollars**, including internship efforts, K-14 outreach, and research programs
- **Continue building in key areas** including
 - Grow an undergraduate Materials Science program at UO and SOU
 - Elevate the national ranking of OSU’s Electrical Engineering and Computer Science program to the mid 30’s.
 - Double the capacity of PSU’s Computer Science program and achieve national ranking
 - Upgrade Computer Science courses and laboratories at EOU, SOU, UO, and WOU
 - Grow renewable energy program at OIT and provide statewide access to OIT’s innovative IT program
 - Grow biomedical engineering at OHSU/OGI to keep pace with Oregon’s emerging industry.

For more information on the investments associated with each campus, please visit the ETIC website at <http://www.oregonetic.org/05-07> or contact Bruce Schafer, Executive Director, at (503) 725-2915 or Bruce_Schafer@ous.edu