

**Engineering Education
Investment Fund
Performance Scorecard**

Biennium 2001-2003

College of Engineering

Oregon State University

September 3, 2003

Data as of June 30, 2003

Undergraduate Category

	AY99	AY02	AY03	AY04	AY05*
• Student Credit Hours					
– Goal	52,690	54,640	55,290	55,940	56,590
– Projected/Actual**	52,690	63,741	62,511	67,500	67,500
– Variance	N/A	9,101	7,221	11,560	10,910
• Graduates					
– Goal	389	467	493	519	545
– Projected/Actual**	389	461	503	560	560
– Variance	N/A	(6)	10	41	15
• Comments – Surpassed goal for this year and project being above it for the next few years.					

* Academic Year ending in June of the indicated year.

** Actuals for AY99, AY02 and AY03(unofficial). Projections for AY04, and AY05.

Graduate Category

	AY99	AY02	AY03	AY04	AY05*
• Student Credit Hours					
– Goal	12,870	14,112	14,526	14,940	15,354
– Projected/Actual**	12,870	18,435	19,092	21,628	23,431
– Variance	N/A	4,323	4,566	6,688	8,077
• Degrees Awarded					
– Goal	164	186	193	201	208
– Projected/Actual**	164	121	160	195	215
– Variance	N/A	(65)	(33)	(6)	7
• Enrollments (Actual F)	430	524	603		

Comments – There are much larger enrollments and SCH than in base year, but graduates didn't finish this year. We are projecting marked increase in graduates in next few years

* Academic Year ending in June of the indicated year.

** Actuals for AY99, AY02 and AY03 (unofficial). Projections for AY04, and AY05.

Fiscal Summary

	FY03	FY03	
	AVAILABLE*	ACTUAL**	VARIANCE***
ETIC Investments	\$4,053,240	\$3,453,801	\$599,439
Top Tier Investment	\$2,309,768	\$1,624,177	\$685,591
ETIC & Top Tier	\$6,363,008	\$5,077,978	\$1,285,030

* FY02 Carry-forward plus FY03 Budget from Revised RAM. See http://www.oregonetic.org/current_investments/BudgetReductionFinal9-30-02.pdf

** As of 6/30/03

*** Budget – Actual

Note: Variance is larger than might be expected because it includes committed \$ such as “start up” and match for research projects that have not been spent.

Private Support*

Category	Description	Value
Gifts	Unrestricted	\$ 487,276
Gifts	Scholarship/Fellowships	979,154
Gifts	Entrepreneurship Program	2,000,000
Gifts	Other Restricted	1,571,032
Private Industry	Research Grants/Contracts	<u>1,466,411</u>
Total for FY03		\$ 6,503,873
Received in FY02		\$ 6,454,864
Received in Biennium 01-03		\$12,958,737
Biennium Goal**		\$11,200,000
Variance***		\$1,758,737

* Per Policy on Private Support Reporting <http://www.oregonetic.org/mission/eticprivatematch5.pdf>

** From ETIC Plan for 2001-2003 Biennium.

*** Biennium Goal – Received in Biennium

Other Leverage – Federal & Other Grants (New) FY03 -- \$16.6M

Grantor	Description	Value
Dept of Energy	Western Nuclear Science Alliance	\$1,300,000
Oregon Dept of Transportation	Deterioration Models for Shear-Cracked Reinforced Concrete Bridges (state)	\$1,281,700
Dept of Energy	Factors Controlling In Situ Bio-Reduction and Reoxidation at the NABIR (Natural and Acco	\$862,456
Environmental Protection Agency-Envir	EPA WRHSRC	\$531,025
Dept of Energy	DOE Passive Safety Sys Performance	\$481,623
Oregon Dept of Transportation/FTA	Technology Development and System Integration for a Vehicle Miles Traveled Based Reve	\$446,730
National Academy of Sciences	Evaluation of Best Management Practices for Highway Runoff Control	\$299,948
Oregon Dept of Transportation	Deterioration Models for Shear-Cracked Reinforced Concrete Bridges (federal)	\$293,600
Nuclear Regulatory Commission	APEX (Advanced Plant Experiment) Thermal Hydraulic Program	\$282,000
Airforce	USAF Nanocommunicator: Hi Perf Comm	\$270,860
National Science Foundation-Engr	NSF Ocean Electric Energy Extractn	\$269,982
National Science Foundation-Engr	NSF Upgrade Basin for Tsunami Rsrch	\$262,574
Cytec Corporation	Heat Actuated Heat Pump Development for Portable Cooling Application (Tasks 1.1, 1.2,	\$254,852
Airforce	USAF Nanocommunicator: Hi Perf Comm	\$250,000
Cytec Corporation	Heat Actuated Heat Pump Development for Portable Cooling Application (Task 3)	\$238,665
National Science Foundation-Engr	NSF Upgrade Basin for Tsunami Rsrch	\$230,095
National Science Foundation-Biological	NSF Personal Digital Field Guides	\$229,237
Environmental Protection Agency-Envir	EPA WRHSRC	\$215,001
National Science Foundation-Engr	Upgrading Oregon State's Multidirectional Wave Basin for Remote Tsunami Research: Su	\$211,813
Air Force	USAF Aerobic Cometabolic Systems	\$195,000
Battelle Pacific Northwest Laboratory/DOE	Heat Actuated Heat Pump Development for Soldier Cooling Applications	\$187,479
Oregon Dept of Transportation/FTA	ODOT Evaluate Project Delivery Sys	\$182,005
National Science Foundation-Engr	Workshop on Collaborative Research through an Integrated Tsunami Scenario Simulation	\$181,615
Oregon Dept of Transportation/NHTSA	Transportation Engineering Short Courses	\$157,983
Environmental Protection Agency-Envir	EPA Tech Outreach for Brownfields	\$155,000
Semiconductor Research Corp.	SRC Efficient Substrate-Couplg Tool	\$150,000
National Science Foundation-Computer	Off-the-Shelf Learning Algorithms for Structural Supervised Learning	\$148,097
Dept of Energy	DOE Industrial Assessment Center	\$144,159
USDA Forest Service	USDA 2nd Phase Dyn Veg Models Devlp	\$131,592
Office of Naval Research	Chaotic and Random Dynamic Response of Ocean Structures: Stochastic Analysis and	\$131,316
National Science Foundation-Computer	NSF Divide and Conquer Methods	\$130,176
National Science Foundation-Computer	NSF Avg Reward Reinforcement Learnng	\$125,088
National Science Foundation-Engr	NSF Upgrade Basin for Tsunami Rsrch	\$125,000
National Science Foundation-Engr	NSF Upgrade Basin for Tsunami Rsrch	\$125,000
Semiconductor Research Corp.	SRC Model Generation for CMOS RFT	\$119,000
Environmental Protection Agency-Envir	EPA WRHSRC	\$116,563
University of California/San Diego/NSF	National Partnership for Advanced Computational Infrastructure (NPACI)	\$115,000
Air Force	Machine Learning for the Knowledge Plane: Technology Assessment and Research Scen	\$114,986
Battelle Pacific Northwest Laboratory/DOE	BATTELLE Heat Actuated Heat Pump	\$113,949
Oregon Dept of Transportation/FTA	Evaluation of ODOT Project/Delivery System	\$113,227
		Continued...

Other Leverage – Federal & Other Grants (New) FY03 -- \$16.6M

Grantor	Description	Value
Dept of Energy	Influence of Reactive Transport on the Reduction of U(VI) in the Presence of Fe(III) and Nit	\$109,903
Dept of Energy	DOE Advnc Beta Dosimetry Techniques	\$109,754
Dept of Energy	IPA Assignment: Dr. Michael Kassner	\$108,291
Massachusetts Institute of Technology	MIT Statistical Learnng Technologies	\$102,989
Stanford University	SU Harmonic Balance Algorithms/Modl	\$101,796
National Science Foundation-Computer	NSF Some Coding Techniques for VLSI	\$101,720
Airforce	Nanocommunicator: A High Performance Communication Microsystem Based on Adaptiv	\$100,000
National Science Foundation-Engr	NIRT: NER: Biosynthesis of Germanium Oxide Nanoparticles	\$100,000
Space and Naval Warfare Systems Command	SNWSC Test & Dev SOS Cytosensor Sys	\$100,000
National Science Foundation-Engr	Reforming Undergraduate Engineering Education Using an Integrated Platform for Learning	\$100,000
National Aeronautics and Space Administration	NASA National Space Grant Program	\$100,000
	Total Shown	\$12,308,849
	All Other Projects	\$5,782,048
	All Projects as of 6/30/03	\$18,090,897
	Estimate of Private Grants & Contracts	\$1,500,000
	Estimate of New Federal & Other Grants	\$16,600,000