

**Engineering & Technology
Industry Council
Performance Scorecard**

Biennium 2005-2007

**College of Engineering
Oregon State University**

July 2007

Successes and Challenges

- Successes:
 - 25th in BS Degrees and 40th in combined output of degrees and research (ASEE data*)
 - Computer Science ranked 31st in publications by ACM
 - Added 7 new ideas moving towards commercialization
 - Scott Ashford of UCSD hired as Director of School of Civil and Construction Engineering

* American Society for Engineering Education

Successes and Challenges

(cont.)

- Challenges:
 - Address impact of increased spin out opportunity through a Statewide Commercialization Institute: 2004 – 2007 we have seen more than 12 ideas move towards spin out with 7 companies formed.
 - Address MS Degree decline through balanced recruiting: on focus on 60 percent growth in PhD enrollment has affected MS recruitment.

Fiscal Summary

FY07¹ as of 06/30/07

OSU

	Total Available ²	YTD Actual ³	Year-End Projection ⁴	Projected Variance ⁵
OSU COE ETIC ⁶	\$ 5,020,379	\$ 4,803,466	\$ 4,805,492	\$ 214,887
Outreach Prgms ⁶	\$ 124,968	\$ 99,455	\$ 99,455	\$ 25,514
EXT ETIC ⁶	\$ 143,327	\$ 143,239	\$ 143,239	\$ 87
Total	\$ 5,288,674	\$ 5,046,160	\$ 5,048,186	\$ 240,488

Comment: The projected variance is primarily funds already committed to faculty start up.

- (1) Fiscal year ending June of indicated year.
- (2) Prior year carry-forward plus current fiscal year budget
- (3) Year to Date as of date shown in title.
- (4) Sum of encumbered and other forecasted expenses expected to clear during fiscal year.
- (5) Year-End Projection vs. Total Available.
- (6) Total for all ETIC funded programs at institution
- (2)-(5) Attach ETIC Financial Info spreadsheet with matching values

Private Support¹

FY07² as of 06/30/07

Student Scholarships & fellowships	\$	6,504,531
Other cash donations	\$	5,719,913
Other cash grants and contracts	\$	1,633,885
Equipment donations and discounts	\$	573,286
Real estate	\$	699,885
Other property		
Internship salaries (See note below)		
Other salaries and equivalent		
Other	\$	-
Total	\$	15,131,500
Annual Goal³	\$	7,520,000
Variance	\$	7,611,500

Note: The figure above for scholarships and fellowships represents new donations. The total scholarships and fellowships given to COE students through the College and University (not including need based financial aid or graduate assistantships) is over \$5M. Private investment for internships is about \$7M (MECEOP/CECOP only), but the funds do not flow through the university so no precise record exists and therefore is not included here.

¹Provide details using current version of ETICFinancialInfoTemplate. Report based on Policy on Private Support Reporting <http://www.oregonetic.org/mission/eticprivatematch5.pdf>

²Fiscal year ending June of indicated year.

³From ETIC Plan for 2005-2007 Biennium. For first year of biennium, Annual Goal is goal given in plan. For second year of biennium, Annual Goal is total goal for Biennium less private support received in first year

Other Leverage – Federal & Other Grants FY07; \$22.6 M

As of 6/30/07

US Ed Grants	US-ED OR Rehabilitatn Engr Res Cntr	\$949,958
University of California Berkeley	UC Efctv Bayesian Transfer Learning	\$730,124
Idaho National Laboratory	INL Director ETRP, Idaho Nat'l Labs	\$504,990
US Ed Grants	US-ED OR Rehabilitatn Engr Res Cntr	\$492,163
DOE/Bonneville Power Admin	DOE Wave E Lab & Ocean Te	\$466,100
National Science Foundation-Engr	NS SAW Addressble Solid St Mag Mem	\$400,000
Army Research Office	ARMY Tactical Energy Systems Dev	\$398,914
SRI International	SRI CALO Year 4 (OPI, ILR, SEAR)	\$370,500
Department of Energy	DOE Thermodynamic Network Model	\$360,263
Army Research Office	ARMY Tactical Energy Systems Dev	\$350,000
Airforce	USAF Nanocommunicator: Hi Perf Comm	\$349,139
Army Research Office	ARMY Tactical Energy Systems Dev	\$275,211
	Total Shown	\$5,647,362
	All Other Projects	\$14,037,710
	All Projects as of 6/30/07	\$22,607,546
	Estimate of Private Grants and Contracts	\$2,922,474
	Estimate of New Federal and Other Grants	\$19,685,072

Faculty Supported

As of 06/30/07

	Goal ¹	Actual ²
Hired in previous biennia ³ :	26	26
Hired in this biennium ³ :	6	6
<hr/> Total	<hr/> 32	<hr/> 32

⁽¹⁾From ETIC Plan for 05-07 Biennium.

⁽²⁾Those currently employed, not including those to be hired later in biennium. Stated as FTE.

Includes any adjuncts supported by ETIC funds.

⁽³⁾Being supported by ETIC funds during 05-07 Biennium.

Undergraduate Category

As of 06/30/07

	AY99	AY04	AY05	AY06	AY07	AY09 ¹
Student Credit Hours						
Goal ²	52,690	66,500	68,900	69,000	69,000	70,000
Projected/Actual ³	52,690	63,050	63,248	60,964	59,677	62,000
Variance ⁴	na	(3450)	(5652)	(8036)	(9323)	(8000)
Graduates						
Goal ²	389	519	545	545	545	560
Projected/Actual ³	389	546	520	592	579	560
Variance ⁴	na	27	(25)	47	34	0

^{1.} Academic Years ending in June of indicated years.

^{2.} From ETIC Plan for 05-07 Biennium.

^{3.} Actuals for prior years. Projections for years not yet complete, including future years. Projections may be different from goal. Values in the current year or prior years that are not final are indicated with an “E”, e.g. 78E

^{4.} Projected/Actual less Goal for all years where Goal established, including years with projected values.

Graduate Category

As of 06/30/07

	AY99	AY04	AY05	AY06	AY07	AY09 ¹
<u>Student Credit Hours</u>						
Goal ²	12,870	21,600	22,300	22,800	22,800	23,600
Projected/Actual ³	12,870	19,453	16,669	16,573	18,378	19,000
Variance ⁴	-	(2,147)	(5,631)	(6,227)	(4,422)	(4,600)
<u>Graduates</u>						
Goal ²	154	210	215	218	218	240
Projected/Actual ³	154	208	208	163	141	210
Variance ⁴	-	(2)	(7)	(55)	(77)	(30)

1. Academic Years ending in June of indicated years.
2. From ETIC Plan for 05-07 Biennium.
3. Actual for prior years. Projections for years not yet complete, including future years. Projections may be different from goal. Values in the current year or prior years that are not final are indicated with an "E", e.g. 78E.
4. Projected/Actual less Goal for all years where Goal established, including years with projected values.

Student Metrics

AY07¹ as of 06/30/07

	<u>Prior Year</u>	<u>Current Year</u>	
	Actual ⁷	Goal ⁶	Actual ⁷
Freshmen SAT/ACT ² :	73%	85%	72%
Incoming grad-student GRE ³ :	78%	82%	70%
Women graduating ⁴ :	118 (15%)	17%	113 (16%)
Minorities graduating ^{4,5} :	93 (15%)	14%	97 (16%)

- (1) Academic year ending in June of indicated year
- (2) Percentiles for freshmen that have declared relevant majors. If applicants are required to submit SAT scores, the percentile corresponding to the average composite SAT score of those submitting them. If applicants have choice of SAT and ACT, average composite SAT score and the average composite ACT score, converted to percentiles in each case, and combined as the weighted average of the two.
- (3) Percentiles based on the average quantitative score over those submitting such scores; ignoring verbal and analytic scores.
- (4) From engineering, computer science, and other programs directly benefiting from ETIC funding, stated as number graduating and as a percent of all those graduating.
- (5) Racial and ethnic minorities who are US citizens or permanent residents – stated as number graduating and as a percent of US citizens or permanent residents.
- (6) From ETIC Plan for 05-07 Plan.
- (7) If actual is not yet available, estimate is marked with “E”. If estimate is not possible, “N/A” is shown.

Research Metrics

FY07¹ as of 06/30/07

	Prior Year	Current Year	
	Actual ⁶	Goal ⁵	Actual ⁶
Research Faculty ²	103		106
Total Research Expenditures ³	\$27.5M	\$27.0M	\$26.7M
Research Expenditures / Faculty ⁴	\$267K		\$252K

- (1) Fiscal year ending in June of indicated year
- (2) Number of faculty members whose roles include research
- (3) Total dollars spent by ETIC-related departments towards research during academic year
- (4) Total Research Expenditures divided by Research Faculty
- (5) From ETIC Plan for 05-07 Plan.
- (6) If actual is not yet available, estimate is marked with “E”. If estimate is not possible, “N/A” is shown.

Intellectual Property Metrics

AY07¹ as of 06/30/07

	Prior Year	Current Year	
	Actual ⁸	Goal ⁷	Actual ⁸
Spin-offs ²	1		2
Patent Disclosures ³	31		23
Patents Awarded ⁴	4		4
Number of Licenses ⁵	3	13	2
Revenue ⁶	\$225K		\$75K

- (1) Academic year ending June of indicated year.
- (2) Number of spin offs as reported to Association of University Technology Managers.
- (3) Number of invention disclosures received by your college or department as reported to Association of University Technology Managers.
- (4) Patents awarded by U.S. Patent Office during year.
- (5) Number of patent licenses or other royalty-generating intellectual property licenses granted to commercial entities.
- (6) Revenue from patent and other intellectual property licenses granted to commercial entities.
- (7) From ETIC Plan for '05-07 Plan.
- (8) If actual is not yet available, estimate is marked with "E". If estimate is not possible, "NA" is shown.

National Ranking

As of 06/30/07

	AY 99	AY 04	AY 05	AY 06	AY 07	AY 09¹
EECS						
Goal ²	65-75	60-70	60-65	30-40	30-40	25-35
Actual/Projection ³	65-75	54	64	67	54	
ME						
Goal ²	45-55	40-50	40-50	45-55	45-55	
Actual/Projection ³	45-45	82	85	85	73	40-50
CCEE						
Goal ²	35-45	30-40	30-40	35-45	35-45	20-30
Actual/Projection ³	35-45	50	62	54	55	
COE						
Goal ²	83	65-75	60-70	65-75	65-75	55-65
Actual/Projection ³	83	78	82	86	84	

Comment – Department entries are similar, but note that published rankings, in (), are based on reputation only.

- 1 Academic years ending in June of indicated years
- 2 From ETIC Plan for 05-07 Plan – goals of programs, departments, and or college in terms of national ranking through 2009.
- 3 Actuals for prior years. Projections for years not yet complete, including future years. Projections may be different from goal. Values in the current year or prior years that are not final are indicated with an “E”, e.g. 78E