

**Engineering & Technology  
Industry Council  
Performance Scorecard**

Biennium 2005-2007

**College of Engineering  
Oregon State University**

July 2006

# Successes and Challenges

- Successes:
  - Opened the Kelley Engineering Center
  - Six spin outs in various stages including bio-diesel micro reactor and smart desk top
  - Demonstrated world's first transparent integrated circuit
  - Team of 30 undergraduate students won mini-Baja international competition
  - PhD enrollment up 57% since 1999
  - Private Investment: \$12.2M vs. planned \$8.5M
  - Research Expenditures: \$27.5M vs. planned \$23.0M

# Successes and Challenges

(cont.)

- Challenges:
  - Faculty are individually 14<sup>th</sup> in the nation in productivity – further growth will require more professors
  - Focus on PhD growth has impacted MS degrees
    - PhD: 24 in 2005 – 31 in 2006
    - MS: 183 in 2005 – 128 in 2006
  - Reputation changes slowly: we will focus on growth of composite of degree and research metrics from our current 45<sup>th</sup> towards our goal of 15<sup>th</sup> in the nation. Our current peer in composite output ranking is UC Irvine and our target is Cornell.

# Fiscal Summary

FY06<sup>1</sup> as of 06/30/06

OSU

	Total Available <sup>2</sup>	YTD Actual <sup>3</sup>	Year-End Projection <sup>4</sup>	Projected Variance <sup>5</sup>
OSU COE ETIC <sup>6</sup>	\$ 5,774,028	\$ 5,323,421	\$ 5,334,810	\$ 439,218
Outreach Prgms <sup>6</sup>	\$ 71,383	\$ 17,617	\$ 17,617	\$ 53,766
EXT ETIC <sup>6</sup>	\$ 174,532	\$ 135,921	\$ 135,921	\$ 38,611
Total	\$ 6,019,943	\$ 5,476,959	\$ 5,488,348	\$ 531,595

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 Support<sup>1</sup>

FY06<sup>2</sup> as of 06/30/06

Student Scholarships & fellowships	\$	1,273,998
Other cash donations	\$	6,171,352
Other cash grants and contracts	\$	2,747,026
Equipment donations and discounts	\$	1,225,857
Real estate	\$	774,095
Other property		
Internship salaries (See note below)		
Other salaries and equivalent		
Other	\$	-
<b>Total</b>	\$	12,192,328
<b>Annual Goal<sup>3</sup></b>	\$	8,505,891
<b>Variance</b>	\$	3,686,437

Note: The figure above for scholarships and fellowships represents new donations to the College of Engineering. 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 \$2.5M. Private investment for internships for just MECOP/CECOP is about \$4M, but the funds do not flow through the university so we have no precise record and therefore a value is not included here. Total internship investment is estimated at ~ three times this.

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

<sup>2</sup>Fiscal year ending June of indicated year.

<sup>3</sup>From 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



# Faculty Supported

As of 06/30/06

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

<sup>(1)</sup>From ETIC Plan for 05-07 Biennium.

<sup>(2)</sup>Those currently employed, not including those to be hired later in biennium. Stated as FTE.  
Includes any adjuncts supported by ETIC funds.

<sup>(3)</sup>Being supported by ETIC funds during 05-07 Biennium.

# Undergraduate Category

As of 06/30/06

	AY99	AY03	AY04	AY05	AY06	AY09 <sup>1</sup>
<b>Student Credit Hours</b>						
Goal <sup>2</sup>	52,690	55,290	66,500	68,900	69,000	70,000
Projected/Actual <sup>3</sup>	52,690	62,511	63,050	63,248	60,964	62,000
Variance <sup>4</sup>	na	7221	(3450)	(5652)	(8036)	(8000)
<b>Graduates</b>						
Goal <sup>2</sup>	389	493	519	545	545	560
Projected/Actual <sup>3</sup>	389	496	546	520	603 <sup>E</sup>	560
Variance <sup>4</sup>	na	3	27	(25)	58	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 06/30/06

	AY99	AY03	AY04	AY05	AY06	AY09 <sup>1</sup>
<u>Student Credit Hours</u>						
Goal <sup>2</sup>	12,870	14,112	21,600	22,300	22,800	23,600
Projected/Actual <sup>3</sup>	12,870	18,435	19,453	16,669	16,573	19,000
Variance <sup>4</sup>	-	4,323	(2,147)	(5,631)	(6,227)	(4,600)
<u>Graduates</u>						
Goal <sup>2</sup>	154	193	210	215	218	240
Projected/Actual <sup>3</sup>	154	160	208	208	163E	210
Variance <sup>4</sup>	-	(33)	(2)	(7)	(55)	(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

AY05<sup>1</sup> as of 06/30/05

	<u>Prior Year</u>	<u>Current Year</u>	
	Actual <sup>7</sup>	Goal <sup>6</sup>	Actual <sup>7</sup>
Freshmen SAT/ACT <sup>2</sup> :	73%	85%	73%
Incoming grad-student GRE <sup>3</sup> :	76%	82%	78%
Women graduating <sup>4</sup> :	100 (14%)	17%	118 (15%)
Minorities graduating <sup>4,5</sup> :	70 (12%)	14%	93 (15%)

- (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

FY06<sup>1</sup> as of 06/30/06

	Prior Year	Current Year	
	Actual <sup>6</sup>	Goal <sup>5</sup>	Actual <sup>6</sup>
Research Faculty <sup>2</sup>	103		103
Total Research Expenditures <sup>3</sup>	\$24.2M	\$23.0M	\$27.5M
Research Expenditures / Faculty <sup>4</sup>	\$235K		\$267K

- (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

AY06<sup>1</sup> as of 06/30/06

	Prior Year	Current Year	
	Actual <sup>6</sup>	Goal <sup>5</sup>	Actual <sup>6</sup>
Spin-offs <sup>2</sup>	0		1
Patent Disclosures	22		31
Patents Awarded	2		4
Number of Licenses <sup>3</sup>	1	13	3
Revenue <sup>4</sup>	\$5K		\$225K

- (1) Academic year ending June of indicated year.
- (2) Number of spin offs as reported to Association of University Technology Managers.
- (3) Number of patent licenses or other royalty-generating intellectual property licenses granted to commercial entities
- (4) Revenue from patent and other intellectual property licenses granted to commercial entities.
- (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.

# National Ranking

As of 06/30/06

	AY 99	AY 03	AY 04	AY 05	AY 06	AY 09 <sup>1</sup>
<b>EECS</b>						
Goal <sup>2</sup>	65-75		60-70	60-65	30-40	25-35
Actual/Projection <sup>3</sup>	65-75	38	45 (62, 54)	(61, 64)	(61, 67)	
<b>ME</b>						
Goal <sup>2</sup>	45-55		40-50	40-50	45-55	
Actual/Projection <sup>3</sup>	45-45	49	62 (82)	80 (85)	85	40-50
<b>CCEE</b>						
Goal <sup>2</sup>	35-45		30-40	30-40	35-45	20-30
Actual/Projection <sup>3</sup>	35-45	37	31 (50)	35 (62)	54	
<b>COE</b>						
Goal <sup>2</sup>	83	65-75	65-75	60-70	65-75	55-65
Actual/Projection <sup>3</sup>	83	78 (83)	78 (78)	75 (82)	86	

Comment – College entry for '03 and '04 shows two values: 1. OSU's COE rank in total research funding based on ASEE data and 2. US News and World Report ranking for Graduate Engineering Schools based on metrics and reputation, in (). 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