

# **Engineering and Technology Industry Council Capital Investment Proposal Biennium from July 1, 2005 to June 30, 2007**

**Campus: Oregon State University**

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**Summary of Proposal:** This capital investment proposal supplements the main OSU Engineering proposal submitted through ETIC for the 2005-07 biennium. It consists of a renovation project that is critical since it addresses a space issue that has resulted from our recent success in moving toward improved overall space and capability in the College. Funds are requested for the renovation of space to accommodate some programs displaced from Graf Hall, which is to be totally renovated for the ONAMI Center.

## **Goals**

This project has one primary goal, to enable existing critical activities that are currently in Graf Hall to continue at a high level and grow in light of Graf Hall being devoted to the ONAMI Center.

Graf Hall is a building of about 30,000 square feet (sf) of usable space. It will be totally renovated to house the ONAMI center. Through other space we have plans to accommodate all of the existing critical activity in Graf Hall except for several mechanical engineering instructional laboratories, student project work areas and materials research and instruction in mechanical engineering, which in total requires about 13,000 sf. As the new Kelley Engineering Center opens, space will become available in Dearborn Hall for these programs, but the space needs renovation to be suitable for the intended activities. The move will enhance productivity since the Graf Hall laboratories were in significant need of renovation.

## **Investment Description**

About 13,000 sf of space in Dearborn will be renovated to house materials research and instruction in mechanical engineering, mechanical engineering laboratory instruction, and student project work. Renovation costs are estimated at \$150/sf. ETIC is requested to provide \$650,000 toward the total project cost of \$1,950,000. The remaining \$1,300,000 will be found from other sources. Funds are needed for design and construction of the Dearborn work so that the renovated space is available when or shortly after the work on Graf Hall begins. Currently planned dates are: Start Dearborn design-6/27/05; complete Dearborn Construction-5/12/06; start Graf Construction-4/1/06.

## **Results**

Good productive space is an enabler to achieve the strong metrics indicated in the Core and New Initiative proposals. Presently the programs being slated for the move from Graf Hall play

crucial roles in the education and research programs of the College impacting basically all of the metrics of the Core proposal but most directly those listed here in this proposal. It is critical that this productivity be continued and enabled for growth to achieve the high productivity inherent in the Core and New Initiative Proposals.

### Proposed Investment and Private Support Forecast (\$M)

	7/1/05- 6/30/06	7/1/06- 6/30/07	Total
<b>Proposed OUS Investment (\$M)</b>			
<b>New facilities</b>			0.00
<b>Improvements to facilities</b>	0.65		0.65
<b>Laboratory equipment</b>			0.00
<b>Other equipment</b>			0.00
<b>Other capital investments</b>			0.00
<b>Subtotal</b>	0.65	0.00	0.65
<b>Expected private support (\$M) (1)</b>	1.30	0.00	1.30
<b>Total (\$M)</b>	1.95	0.00	1.95
Notes:			
(1) Devoted to capital investments as described in this proposal.			

### Metrics Forecast

	Baseline	Projected			
	AY 99	AY06	AY07	AY08	AY09
(1)					
ECS undergraduate student credit hours	52690	69000	69000	70000	70000
ECS bachelors degrees granted	389	545	545	545	560
ECS graduate student credit hours	12870	22800	23000	23300	23600
ECS graduate degrees granted	154	218	226	232	240
Total research expenditures per year (6)	12.3M	23M	27M	32M	37M
National ranking of ME (7a)	45-55	45-55	40-50	40-50	40-50
National ranking of College of Engineering (7a)	na	65-75	55-65	50-60	45-55
National ranking of College of Engineering (U.S. News)	83	65-75	60-70	55-65	55-65
Notes:					
(1) List metrics including those relevant from Core Proposal template and others relevant to your proposal. If you use a metric that is also covered in your Core Proposal, the forecasted results that you give above should be the combined result of your Core Proposal and the investment described in this document.					