

Engineering Education Investment Fund Performance Scorecard

Biennium 1999-2001

College of Engineering and Computer
Science

Portland State University

February 14, 2001



Undergraduate Category

	Fall 2000	Spring 2001	Spring 2002	Spring 2003
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⚡ Enrollment

• Goal	115	115	181	268
• Actual/Projected	123	115	181	268
• Variance	+8	0	0	0

⚡ Graduates

• Goal	N/A	20	31	37
• Projected/Actual	N/A	20	32	45
• Variance	N/A	0	+1	+8



Winter Quarter Undergraduate Enrollment

↗ Winter quarter undergraduate enrollment up 14% over WQ 2000:

- WQ 2001 = 1,095
- WQ 2000 = 944



Winter Quarter Graduate Enrollment

↗ Winter Quarter 2001 graduate enrollment up 14% over WQ 2000:

- WQ 2001 = 304
- WQ 2000 = 260

↗ Total WQ Enrollment up 14%

- WQ 2001 = 1,399
- WQ 2000 = 1,204



Graduate Category

	Fall 2000	Spring 2001	Spring 2002	Spring 2003
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⚡ New Credit Hours

• Goal	96	312	420	540
• Actual/Projected	339	312	537	1274
• Variance	+243	0	+117	+734

⚡ Degrees Awarded

• Goal	N/A	1	8	9
• Projected/Actual	N/A	3	7	15
• Variance	N/A	+2	-1	+6

- To continue growth we must remove the Graduate Cap



FQ to WQ Enrollment Improved

- ✦ FQ 1999 – WQ 2000 Enrollment
 - 1,262 to 1,204 , or 5% decline
- ✦ FQ 2000 – WQ 2001 Enrollment
 - 1,414 to 1,399, or 1% decline



Accomplishments

- ⚡ 6 new faculty positions for 1999-2001
 - Hired: Computer Science--Networking
 - Hired: Electrical and Computer Engineering--Signal Processing
 - Hired: Civil Engineering--Intelligent Transportation Systems
 - Hired: Engineering and Technology Management--Process Management
 - Recruiting: Mechanical Engineering
 - Recruiting: Computer Science (Funded by PSU)
- ⚡ 107 new scholarships awarded to freshmen and transfer students
 - Leveraged ETIC funding with \$220,000 from the NSF for CSEMS Scholarships for economically disadvantaged students in 1999-2001



Industry Matches

Donor	Description	Value
Tektronix	ECE Lab Equipment	\$ 99,126
Intel	ECE Lab Equipment, CMP tool, Faculty Fellowships	\$ 256,436
Siemens	Building Control Sys for ME Lab	\$ 34,215
Hewlett-Packard	MESA Computer Systems	\$ 11,273
Various	HW/SW Donations	\$ 500,000
Credence Systems	IC Tester	\$ 1,040,000
CH2MHill	Intelligent Transportation Lab	\$ 50,000
PacificCorp	Undergraduate Scholarships	\$ 50,000
Innoveda	ECE Lab Equipment	\$ 50,000
IBM	CS-Operating Systems Lab	\$ 170,000

Total **\$2,261,050**



Other Leverage -- Federal & Other Grants

Grantor	Description	Value
LLNL	Parallel Processing Diagnosis	\$ 56,948
BPA/DOE	Test of 500KV Surge Arresters	\$ 65,000
DCCWD	Workforce Skill Development	\$ 60,739
BPA	Proposal for Business Strategy	\$ 70,000
Clackamas County	Willamette River Modeling	\$ 79,017
USDE	BPA Leadership Training	\$ 93,028
NSF	CSEMS Funds	\$ 490,000
Various		\$ 422,565
Semiconductor Research Consort.	High Frequency High-Q Analog Integrated Filter	\$ 452,000
NSF	Groundwater Remediation Curriculum	\$ 528,000
NSF	CAD methodologies for VLSI Layout	\$ 277,073

Total

\$2,594,370

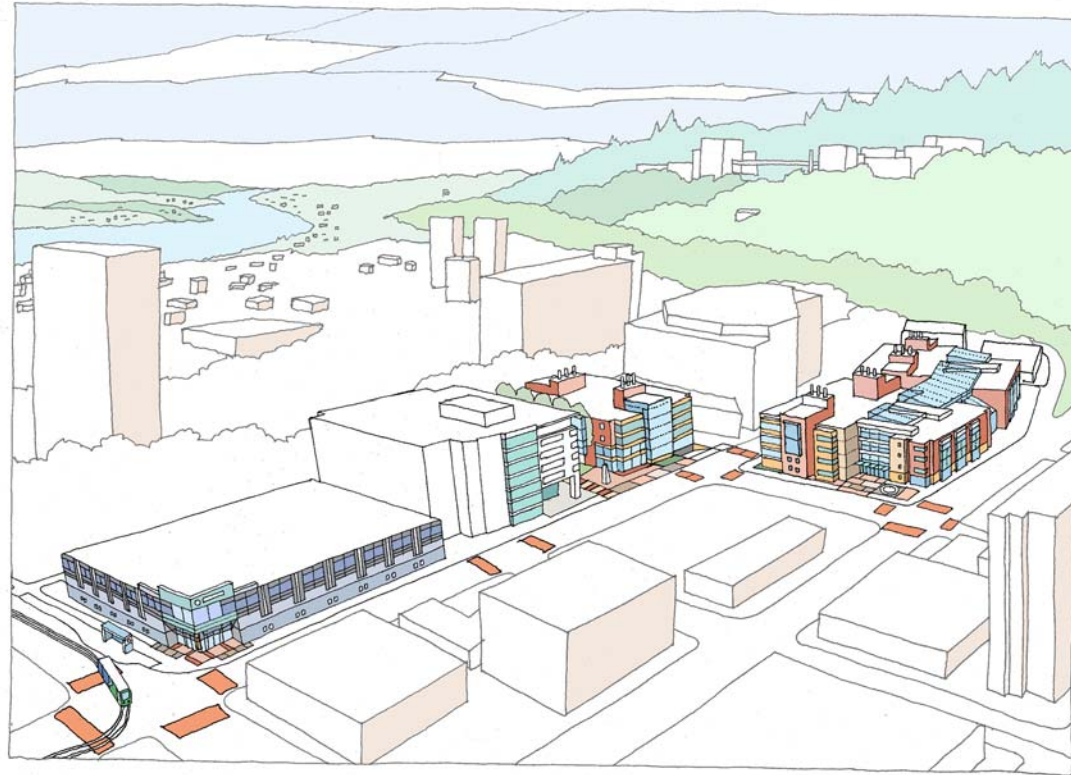


Collaboration with PCC New NSF Scholarship Grant

- ✦ PSU and PCC receive new \$280,000 NSF CSEMS Scholarship Grant for 2001-2003.
 - For low income freshmen and sophomores
 - Engineering or Computer Science
 - Builds upon other PCC/PSU Engineering Collaborations
 - Leverages ETIC support of engineering/cs collaborations.



New Engineering Facility



*Portland State University
College of Engineering
and Computer Science*



Engineering Facility Construction Begins

- ✦ Fourth Avenue Building (FAB) construction and renovation begins April, 2001
- ✦ New laboratories and offices
 - Electrical and Computer Engineering
 - Computer Science
- ✦ Scheduled for completion Fall, 2001

