

Engineering Education  
Investment Fund  
Performance Scorecard

Biennium 1999-2001

OIT,SOU,EOU,WOU

Collaboration

August 8, 2001

# Industry Matches

<b><u>Donor</u></b>	<b><u>Description</u></b>	<b><u>Value</u></b>
<b>SUN Microsystems</b>	<b>SUN Unix Workstations</b>	<b>\$14,000</b>
<b>Escend Technologies</b>	<b>Professional development</b>	<b>6,000</b>
<b>Oracle Software donation</b>		<b>17,850</b>
<b>OIT Oracle Software/Server donation</b>		<b><u>25,000</u></b>
	<b>Total</b>	<b>\$62,850</b>

**Comments:**

**Continuing solicitations**

# Other Leverage--Federal & Other Grants

<u>Grantor</u>	<u>Description</u>	<u>Value</u>
<b>OUS</b>	<b>Awarded</b>	<b>\$100,000</b>
<b>OEDD</b>	<b>Awarded</b>	<b>\$100,000</b>
<b>RIB/Multi-regional Strategies:</b>		
<b>SOU</b>	<b>Awarded</b>	<b>\$ 60,000</b>
<b>OIT</b>	<b>Awarded</b>	<b>\$ 50,000</b>
<b>WOU</b>	<b>Awarded</b>	<b>\$ 60,000</b>
<b>EOU</b>	<b>Awarded</b>	<b><u>\$ 7,000</u></b>
		<b>\$377,000</b>

# BENCHMARKS

## COURSE DEVELOPMENT

FIVE NEW IT COURSES DEVELOPED AND IMPLEMENTED BY FALL 2001. THESE COURSES COULD BE SHARED BY COLLABORATIVE INSTITUTIONS AND BE DELIVERED BY A VARIETY OF MODALITIES INCLUDING COMPRESSED VIDEO, COMPUTER BASED TRAINING(CBT) USING CDs, AND ONLINE WEB BASED COURSES.

# BENCHMARKS

## ENROLLMENTS/GRADUATES

- INFORMATION TECHNOLOGY  
ENROLLMENTS FOR ALL REGIONAL  
SCHOOLS FOR 1998-1999: 704
- EXPECTED 2003 GRADUATES FROM THIS  
ENROLLMENT: 150
- PREDICTED 2003 GRADUATES DUE TO  
COLLABORATION: 250

# INFORMATION TECHNOLOGY GRADUATES

	2000	2001		DIFFERENCE
EOU –CS	0	2		2
SOU –CS	49	67		18
OIT – CST/MIS/IT	26	45		19
WOU –CS	39	21		-18

# STUDENT ENROLLMENTS

	FALL 99	FALL 00		DIFFERENCE
EOU –CS	100	141		41
SOU –CS	227	217		-10
OIT – CST/MIS	311	446		135
WOU –CS	167	155		-12

# STUDENT ENROLLMENTS

	WINTER 2000	WINTER 2001		DIFFERENCE
EOU –CS	112	104		-8
SOU –CS	220	225		5
OIT – CST/MIS/IT	336	440		104
WOU –CS	160	157		-3

# STUDENT ENROLLMENTS

	SPRING 2000	SPRING 2001		DIFFERENCE
EOU –CS	83	71		-12
SOU –CS	223	219		-4
OIT – CST/MIS/IT	362	435		73
WOU –CS	144	151		7

# STUDENT CREDIT HOURS

	FALL 99	FALL 00		DIFFERENCE
EOU –CS	512	673		161
SOU –CS	1891	2107		216
OIT – CST/MIS	3991	4911		920
WOU –CS	2436	2621		185

# STUDENT CREDIT HOURS

	WINTER 2000	WINTER 2001		DIFFERENCE
EOU –CS	533	618		85
SOU –CS	2100	2248		148
OIT – CST/MIS	3344	4087		743
WOU –CS	2636	2617		-19

# STUDENT CREDIT HOURS

	SPRING 2000	SPRING 2001	DIFFERENCE
EOU –CS	426	434	8
SOU –CS	2127	2108	-19
OIT – CST/MIS/IT	4205	5039	832
WOU –CS	2091	2637	546

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OPT for Co-op/Pre-College Programs

Oregon Institute of Technology

August 8, 2001

# OIT/OPT for Co-op Filling the Pipeline

- **High school contacts** (school visits, presentations, open houses):
  - ‘99-’00 = 3100
  - ‘00-’01 goal = 3500
  - As of 5/31/01: 3600
- **Portland Community College scholarships:**
  - ‘99-’00 = 18      ‘00-’01 = 23
- **OIT interns:** ‘99 = 82 ‘00 = 102 ‘01=52 (7/30/01)

# Pre-College Programs

## July/August 2001

- **T.W.I.S.T. - Teen Women In Science and Technology**
  - 18 participants in Portland explored LEGO robotics and programming July 23-26. In Klamath Falls, 21 students are registered for the August 6-9 session:
    - » Completed the Meyers Briggs Type Inventory (MBTI) workshop, Team Dynamics workshop, and PowerPoint/Publishing to the Web workshop.
    - » Competed robots in the “Can Do Challenge.”
    - » Toured ESI - Panel lunch with female engineers and systems demos.
    - » Concluded with workshop on “Getting to College-The Pre-Engineering Path.”
    - » K-12 Teachers participated as team mentors, gaining experience with robotics curriculum to take back to the classroom.

# Pre-College Programs

## July/August 2001

T.W.I.S.T. cont...

– **Feedback:**

- Parents attended the competition and presentations-GREAT feedback!  
“Great program!” “We want more opportunities like this.”  
“Wow!”
- Participant feedback: “After taking this class, I sooo want to be an engineer. Now, I am making that my goal!” “I had a blast! Learned a tremendous amount.” “I thought this program was really awesome! Thank you for the encouragement!”

# Pre-College Programs

## July/August 2001

T.W.I.S.T. cont...

– **Outcomes:**

- All 18 participants plan to go to college. (100%)
- 6 participants want to study engineering in college. (33%)
- 5 participants want to study science/math programs in college. (28%)
- 6 participants want to study other fields or are unsure, but all 6 felt more confident in their technical abilities. (33%)
- 1 participant did not complete an evaluation. (.6%)

# Pre-College Programs

## July/August 2001

T.W.I.S.T. cont...

### – **Future Goals:**

- Expand number of sessions and geographic locations offered.
- Expand to be a residential camp.
- Maintain lasting contact (Tracking) with participants, offering mentoring and academic guidance into their college years.
- Attract more participants from under-served populations.
- Continue building bridges with other outreach programs.

# Pre-College Programs

## July/August 2001

- **Technology Space Camp-** OIT hosted a weeklong residential camp for students entering 10th-12th grades. Five young women and five young men designed and built a low-gravity experiment that will fly with OIT's team on NASA's KC-135. Results of the experiment will be presented at each student's high school during the Fall 2001 term. *Actual: 15 students at camp.*  
*High school outreach: 375 students*

# Pre-College Programs

## July/August 2001

- Upcoming Outreach Initiatives
  - Fall 2001 - Expanding Your Horizons (Boys)
    - *expect ~ 700 eighth graders from Klamath Basin*
  - Spring 2002 - Expanding Your Horizons (Girls)
    - *expect ~ 700 eighth graders from Klamath Basin*
  - Ongoing - Speakers Bureau
  - Ongoing - High School Technology Nights