

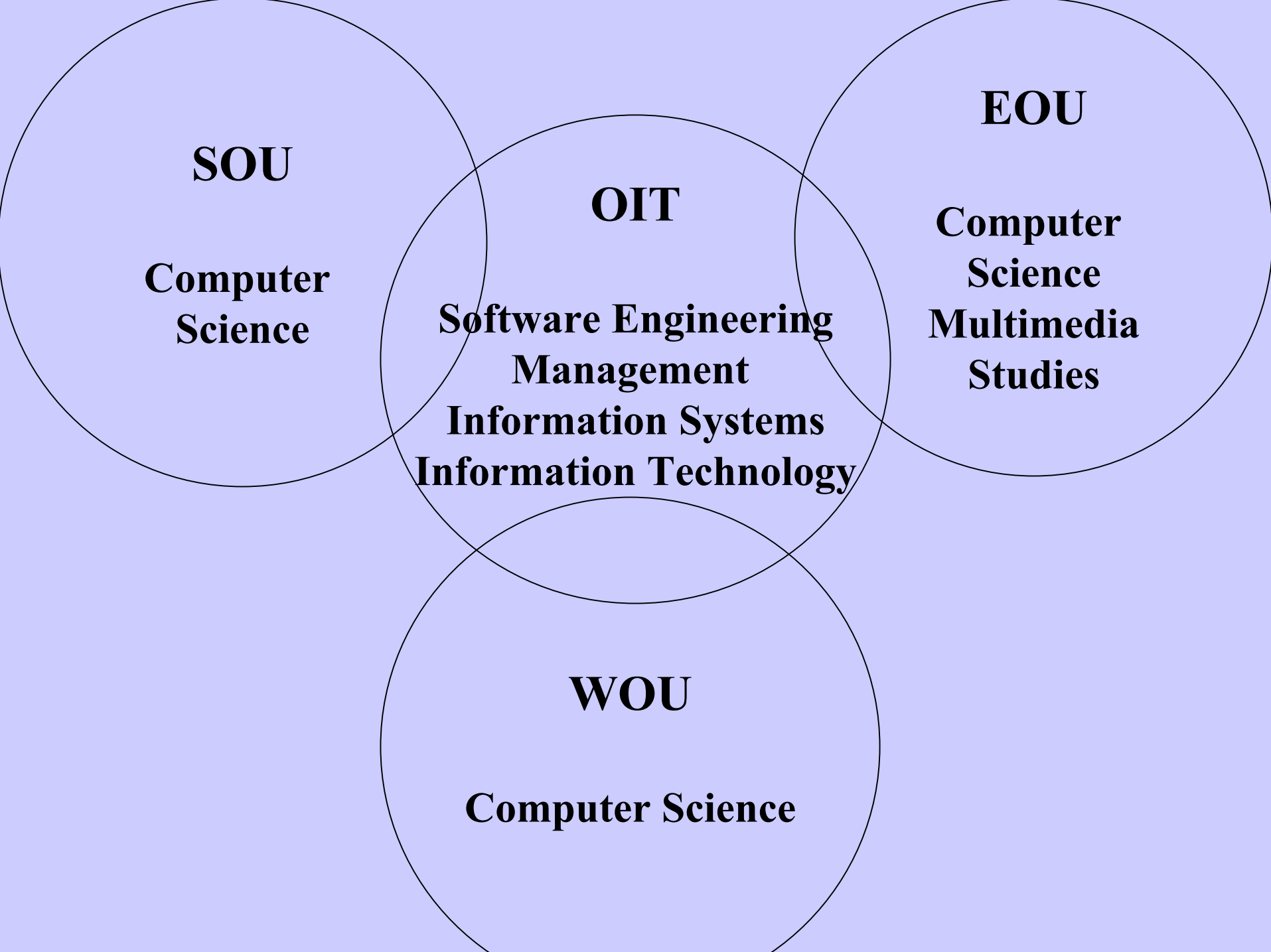
Engineering Education  
Investment Fund  
Performance Scorecard

Biennium 1999-2001

OIT,SOU,EOU,WOU

Collaboration

February 14, 2001



**SOU**

**Computer  
Science**

**OIT**

**Software Engineering  
Management  
Information Systems  
Information Technology**

**EOU**

**Computer  
Science  
Multimedia  
Studies**

**WOU**

**Computer Science**

# ENROLLMENTS

	FALL 1999	FALL 2000	DIFFERENCE
EOU			
Total Enrolled	311	446	135
OIT			
Total Enrolled	311	446	135
SOU			
Total Enrolled	227	217	-10
WOU			
Total Enrolled	167	155	-12

# ENROLLMENTS

	WINTER 2000	WINTER 2001	DIFFERENCE
OIT			
Total Enrolled	336	440	4
SOU			
Total Enrolled	220	225	5
WOU			
Total Enrolled	160	157	-3
EOU			
Total Enrolled	112	104	-8

# 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

# 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

# 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.

# 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>Total</b>	<b>\$37,850</b>

**Comments:**

**Continuing solicitations**

# Other Leverage--Federal & Other Grants

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

# ETIC/IT PROJECT PROGRESS

## Oregon Institute of Technology

- Hired one full time faculty
- Contracted training for on-line course development
- Purchased 63 computers and peripheral equipment for computer labs and classrooms
- Facilitated development for six new IT courses to be delivered on-line
- Matched institutional funding to create new Unix computer lab
- Purchased software for Information Technology courses

# ETIC/IT PROJECT PROGRESS

## Southern Oregon University

- Hired temporary faculty for Computer Science
- Hired a Practicing Professional to teach one IT class
- Hired faculty to teach engineering orientation and statics to pre-engineering students
- Contributed to the hiring of one faculty for multimedia
- Hired a Computer Lab Administrator
- Purchased 10 new computers for CS lab
- Purchased 6 SUN workstations for CS lab

# ETIC/IT PROJECT PROGRESS

Western Oregon University

- Funding Adjunct Faculty
- Funding Regular Faculty overloads
- Developing one on-line course
- Purchased computer for course development
- Additional course to be developed Spring term

<b>DEVELOPER</b>	<b>COURSE NUMBER</b>	<b>COURSE TITLE</b>
John Marsaglia (WOU)	CS121	Computer Applications in Business
Chuck Dunbar (OIT)	MIS111	Microcomputer Applications I
Chuck Dunbar (OIT)	MIS112	Microcomputer Applications II
Dana Nelson (OIT)	MIS113	Microcomputer Applications III
Dana Nelson (OIT)	CST110	Visual BASIC Programming
Jim Long (OIT)	CST126	Advanced C Programming
Randy Albert (OIT) Dan Wilson (SOU)	CST 107	Survey Information Technology Course (unnamed)

All courses in developed are  
lower-level Information  
Technology courses and could  
be offered statewide to high  
schools as Advance College  
Placement courses

Engineering Education

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OPT for Co-op/Pre-College Programs

Oregon Institute of Technology

February 14, 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 2/12/01: 2700
- **High school interns:** '99 = 45      '00 = 40
- **Portland Community College scholarships:**
  - '99-'00 = 18      '00-'01 = 23
- **OIT interns:** '99 = 82      '00 = 102

# Pre-College Programs Update February 2001

- **Expanding Your Horizons** for Boys- held December 8. *704* eighth grade boys attended sessions on engineering, technology and non-traditional fields for men.
- **Expanding Your Horizons** for Girls- will be held on March 19-21. 650 eighth grade girls to attend sessions on engineering, technology and non-traditional careers for women.

# Pre-College Programs

## February 2001

- **Teen Women In Science and Technology (TWIST)-** Dates for these summer camps TBA. Ninth and tenth grade girls to attend day camps in Portland area and Klamath Falls. Theme for the week involves exploring engineering and technology majors through hands-on lab and field exercises. *Goal: 100 girls*
- **Women in Engineering Conference-** May 1 in Klamath Falls. ASME and SWE hosts an on-campus conference matching high school girls with women engineers. *Goal: 25 girls.*

# Pre-College Programs

## February 2001

- **Technology Space Camp-** As an outreach component of OIT's NASA Senior Project, OIT will host a weeklong camp for students entering 10th-12th grades. High school students will design and build a low-gravity experiment that will fly with OIT's team on the KC-135. Results of the experiment will be presented at each student's high school during the Fall 2001 term. *Goal: 15 students at camp.*  
*High school outreach: 375 students*