

Goal 2: Innovative High Quality Programs

Develop, deliver, and continually improve high quality academic programs appropriate for a Metropolitan University

A. Measures of Innovative Programs

1. External awards received for curricular innovation

- Dr. Allen Otsuka received the 2008 Burton C. Borgelt/Student Clinicians-American Dental Association Faculty Advisor Award
- Speech-Language Pathology students received the Geriatric Research Education and Clinical Centers Traineeship Award from the US Department of Veterans Affairs through the Veterans Administration Medical Center In-Patient and Rehabilitation Care at Jefferson Barracks in St. Louis, MO

2. External grants for curriculum innovation

- The School of Dental Medicine is in its second year of a five year 1.5 million dollar grant from the Illinois Children's Healthcare Foundation in support of its SIUCARES (Southern Illinois Underserved Children's Access through Rotational Education and Service) program. SIUCARES will prepare dentists to provide care for children in the underserved areas of Illinois through two parallel initiatives
- The School of Dental Medicine is in its second year of a five year \$587,322 unrestricted educational grant by Implant Innovations, Inc. to incorporate clinical implant education into the predoctoral education program
- The School of Education received the National Endowment for the Humanities award to Abraham Lincoln & the Forging of Modern America for the second year, which will provide professional development for over 80 P-12 educators to improve social studies education. The project's PI is Dr. Caroline Pryor (Curriculum and Instruction)
- The Piasa Bluffs Writing Project was awarded a National Writing Project for the second year to provide professional development to P-12 educators to improve writing instruction. The grant was awarded to Dr. Ralph Cordova (Curriculum and Instruction)
- In 2008, the Southwest Illinois Advanced Manufacturing Center (SIAM) received a three year continuing grant from the US Department of Commerce Economic Development Administration. This grant represents more than \$1.1 million in continuing funding, and will result in approximately 90 projects for regional and national technical enterprises
- In May 2009, the SIAM Center received an additional \$238,000 congressionally directed federal funding to enhance its capabilities in the areas of automation, device control, and data acquisition; prototype fabrication; and material testing

B. Programs and Accreditation

1. College of Arts and Sciences

Accrediting Body	Accredited	Seeking Accreditation	Chosen to not seek	Not Accredited
Anthropology: B	NA			
Art: B	National Association of Schools of Art and Design	B		
Art & Design: B, M	National Association of Schools of Art and Design	B, M		
Art Therapy Counseling: M	American Art Therapy Association	*		
Biological Sciences: B, M	NA			
Biotechnology Management: M	NA			
Chemistry: B, M	American Chemical Society	*		
Criminal Justice Studies: B	NA			
Economics: B	NA			
English: B, M	NA			
American and Engl Literature: Cert(PB)	NA			
Teaching Engl as a 2nd Lang: Cert(PB)	NA			
Teaching of Writing: Cert(PB)	NA			
Environmental Sciences: M	NA			
Environmental Sci Management: M	NA			
Foreign Languages & Literature: B	NA			
Geographical Studies: M	NA			
Geography: B	NA			
History: B, M	NA			
Museum Studies: Cert(PB)	NA			
Liberal Studies: B	NA			
Mass Communications: B, M	Accrediting Council on Educ in Journ & Mass Comm	B	M	
Media Literacy: Cert(PB)				
Mathematical Studies: B	NA			
Mathematics: M	NA			
Music: B, M	National Association of Schools of Music	B, M		
Piano Pedagogy: Cert (PB)	National Association of Schools of Music	Cert (PB)		

* The American Art Therapy Association and American Chemical Society have formally reviewed and approved SIUE's programs as meeting their standards.

Note: Degree levels are indicated as follows:

B - Baccalaureate Degree
Cert (PB) - Post-Baccalaureate Certificate

M - Master's Degree
Cert (PM) - Post-Master's Certificate

P - First Professional Degree
Cert (PFP) - Post-First Professional Certificate

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1. Programs and Accreditation, cont.	Accrediting Body	Accredited	Seeking Accreditation	Chosen to not seek	Not Accredited
Voice Pedagogy: Cert (PB)	National Association of Schools of Music	Cert (PB)			
Philosophy: B	NA				
Physics: B, M	NA				
Political Science: B	NA				
Public Administration: M	National Assoc of Schools of Public Affrs & Admin	M			
Social Work: B, M	Council on Social Work Education	B, M			
Sociology: B, M	NA				
Speech Communication: B, M	NA				
Corp & Organizational Comm: Cert(PB)	NA				
Theater and Dance: B	National Association of Schools of Theatre	B			
School of Business					
Accountancy: B, M	Assoc to Advance Collegiate Schools of Business	B, M			
Business Admin: B, M	Assoc to Advance Collegiate Schools of Business	B, M			
Business Economics and Finance: B	Assoc to Advance Collegiate Schools of Business	B			
Computer Mgmt & Info Systems: B, M	Assoc to Advance Collegiate Schools of Business	B, M			
Economics and Finance: M	Assoc to Advance Collegiate Schools of Business	M			
Marketing Research: M	Assoc to Advance Collegiate Schools of Business	M			
School of Dental Medicine					
Adv Educ in Gen Dentistry: Cert(PFP)	American Dental Association	Cert (PFP)			
Dental Medicine: P	American Dental Association	P			
School of Education					
Early Childhood Education: B	Nat'l Council for Accreditation of Teacher Education	B			
Earth & Space Science Education: B	Nat'l Council for Accreditation of Teacher Education	B			
Educational Administration: M, Cert (PM)	Nat'l Council for Accreditation of Teacher Education	M, Cert (PM)			
Elementary Education: B, M	Nat'l Council for Accreditation of Teacher Education	B, M			
Exercise and Wellness: B	NA				
Health Education: B	Nat'l Council for Accreditation of Teacher Education	B			
Instructional Technology: M	Nat'l Council for Accreditation of Teacher Education	M			
Web Based Learning: Cert (PB)	NA				
Kinesiology: M	NA				
Exercise Physiology: Cert (PB)	NA				
Pedagogy/Administration: Cert (PB)	NA				
Sports & Exercise Behavior: Cert (PB)	NA				
Learning, Culture & Society: M	Nat'l Council for Accreditation of Teacher Education	M			
Literacy Education: M	Nat'l Council for Accreditation of Teacher Education	M			
Literacy Educ: Literacy Specialist: Cert(PM)					
Master of Arts in Teaching: M	Nat'l Council for Accreditation of Teacher Education	M			
Physical Education Teacher Education: B	Nat'l Council for Accreditation of Teacher Education	B			
Psychology: B, M	NA				
School Psychology, Cert (PM)	National Association of School Psychologists	*			
Secondary Education: M	Nat'l Council for Accreditation of Teacher Education	M			
Special Education: B, M, Cert(PM)	Nat'l Council for Accreditation of Teacher Education	B, M			
Speech Language Pathology: M	American Speech-Language-Hearing Association	M			
Speech Lang Pathology & Audiology: B	NA				
School of Engineering					
Civil Engineering: B, M	Accred'n Bd for Engineering & Tech / NA for Masters	B			
Computer Science: B, M	Accred'n Bd for Engineering & Tech / NA for Masters	B			
Computer Engineering: B	Accreditation Board for Engineering and Technology	B			
Construction Management: B	American Council for Construction Education	B			
Electrical Engineering: B, M	Accred'n Bd for Engineering & Tech / NA for Masters	B			
Industrial Engineering: B, M	Accred'n Bd for Engineering & Tech / NA for Masters	B			
Manufacturing Engineering: B	Accreditation Board for Engineering and Technology	B			
Mechanical Engineering: B, M	Accred'n Bd for Engineering & Tech / NA for Masters	B			

* The National Association of School Psychologists has formally reviewed and approved SIUE's program.

Note: Degree levels are indicated as follows:

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1. Programs and Accreditation, cont.

	Accrediting Body	Accredited	Seeking Accreditation	Chosen to not seek	Not Accredited
School of Nursing					
Health Care & Nurs Adm: M, Cert (PM)	Commission on Collegiate Nursing Education	M, Cert (PM)			
Medical Surgical Nursing: M, Cert (PM)	Commission on Collegiate Nursing Education	M, Cert (PM)			
Nurse Anesthesia: M, Cert(PM)	Counc. on Accred'n of Nurs Anesthesia Ed Programs	M, Cert (PM)			
Nurse Educator: M, Cert (PM)	Commission on Collegiate Nursing Education	M, Cert (PM)			
Nurse Practitioner: M, Cert (PM)	Commission on Collegiate Nursing Education	M, Cert (PM)			
Nursing: B	Commission on Collegiate Nursing Education	B			
Psychiatric-Mental Health: M, Cert (PM)	Commission on Collegiate Nursing Education	M, Cert (PM)			
Public Health: M, Cert (PM)	Commission on Collegiate Nursing Education	M, Cert (PM)			
School of Pharmacy					
Pharmacy, P	Accreditation Council for Pharmacy Education	P			

Note: Degree levels are indicated as follows:

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2. Program recognition awards from external groups

- SIUE was selected as one of five universities nationwide to participate in the Council for Exceptional Children Mentoring Program. Twelve students from special education participated as mentees (the largest number of any university). The Student Chapter of the Council for Exceptional Children matches students to nationally recognized experts in specific areas of interest. Dr. Craig Miner was invited to share SIUE's experience in the program at the national convention at the Faculty Advisor Table
- In fall 2008, 20 of 21 civil engineering seniors taking the Fundamentals of Engineering exam passed, a success rate of 95%. This performance significantly exceeds the pass rate of civil engineering students at the Carnegie master's level and doctoral extensive institutions, which remained 58% and 73% respectively
- The SIUE Civil Engineering Senior Design Environmental Student Team took first place honors in the Parsons Brickerhoff Environmental and Water Resource Student Design Competition held in conjunction with the 2009 ASCE EWRI World Water and Environmental Congress
- The American Society of Civil Engineers Concrete Canoe team placed 2nd overall with 1sts in final product, men's final sprints, and men's and women's endurance race; 2nd in design paper, and coed final sprints; 3rd in the oral presentation; and 5th in women's final sprints. The Steel Bridge team took 2nd place in Aesthetics. Both teams earned invitations to the national ASCE competitions
- SIUE won 1st place in sled pull; 6th in 4-hour endurance; and 15th place overall in the Society of Automotive Engineers Mini Baja Competition
- In the American Concrete Institute (ACI) Missouri Competition, SIUE took 1st place in the Golden Cylinder Competition, 3rd place in the ACI Fiber Reinforced Concrete Bowling Ball Competition, and 1st place in the ACI Fiber Reinforced Polymer Competition and the ACI Fiber Reinforced Polymer Beam Contest
- In the CAD/CAM/CAE Student Competition, Product Lifecycle Management World Conference, SIUE won 1st place overall
- In the Society of Automotive Engineers Formula Racing Competition, an SIUE team of first-year members placed 25th out of 43 teams in their first year of competition
- SIUE finished 4th in the Mid-Center Regional Association for Computing Machinery International Collegiate Programming Contest
- The Mini Grand Challenge Autonomous Vehicle Competition awarded SIUE Special Recognition for Best Crowd Interaction
- At the IEEE Symposium on Visual Analytics Science and Technology SIUE won the Innovative Trace Visualization Award
- SIUE won the Technical Award for System Integration at the 23rd Association for the Advancement of Artificial Intelligence Conference Robot Exhibition
- SIUE School of Engineering Robotics Team took second place at the International Beyond Botball Tournament in Washington D.C. in July
- Four SIUE Mechanical Engineering seniors created the "Green Bike" for their senior design project. They hope to break the current World Record of 130.614 mph

Senior Assignments

3. a. Percent of programs with Senior Assignment Process that is:
- | | | | | | |
|---|-----|-----|-----|-----|-----|
| Outstanding/Exceeded Expectations | 18% | 9% | 46% | 53% | 50% |
| Acceptable/Met Expectations | 79% | 91% | 49% | 43% | 42% |
| Needing Significant Improvement/Did Not Meet Expectations | 3% | 0% | 5% | 4% | 8% |
- b. Percent of faculty indicating the senior assignment is useful in improving the curriculum ¹

SIUE Measures

FY04	FY05	FY06	FY07	FY08
Fall 95	Fall 98	Fall 01	Fall 04	Fall 07
27%	29%	40%	41%	52%

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Baccalaureate Graduate Perceptions of

4. Program Quality -- One Year Out ²

percent of graduates reporting . . .

- a. Degree prepared for job adequately to very well
- b. Degree prepared for add'l degree adequately to very well (of those pursuing another degree)
- c. The quality of their SIUE education was "average to among the best " (relative to that of their friends at other schools)

Graduated in --, (surveyed __years out):

2003 (1)	2004 (1)	2005 (1)	2006 (1)	2007 (1)
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85%	83%	86%	88%	86%
95%	80%	94%	95%	95%
92%	93%	93%	96%	93%

Baccalaureate Graduate Perceptions of

5. Program Quality -- Five and Nine Years Out ²

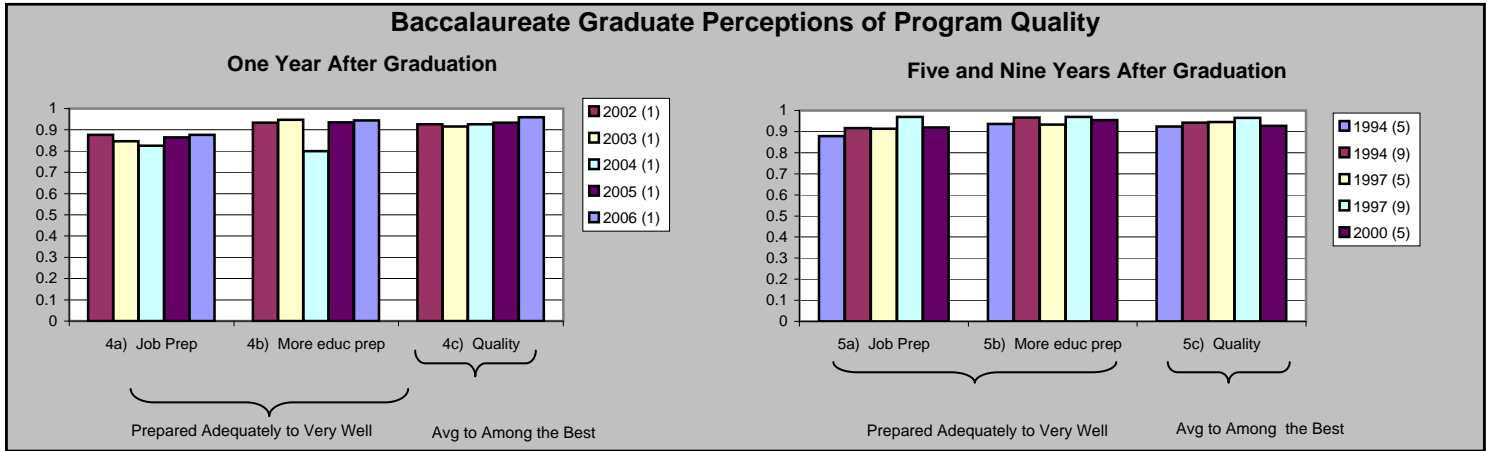
percent of graduates reporting . . .

- a. Degree prepared for career path adequately to very well
- b. Degree prepared for add'l degree adequately to very well (of those pursuing another degree)
- c. The quality of their SIUE education was "average to among the best " (relative to that of their friends at other schools)

Graduated in --, (surveyed __years out):

1994 (5)	1994 (9)	1997 (5)	1997 (9)	2000 (5)
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88%	92%	91%	97%	92%
94%	97%	93%	97%	95%
92%	94%	95%	97%	93%



C. Percent of Credit Hours Taught by Full Time Faculty ³

1. a. Lower division students
- b. Upper division students
- c. Graduate level students
- d. All students

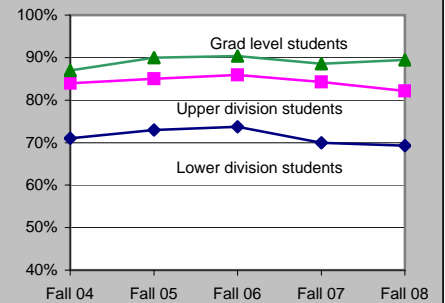
	Fall 04	Fall 05	Fall 06	Fall 07	Fall 08
a. Lower division students	71%	73%	74%	70%	69%
b. Upper division students	84%	85%	86%	84%	82%
c. Graduate level students	87%	90%	90%	89%	89%
d. All students	79%	80%	81%	80%	78%

Percent of Credit Hours Taught by Tenure/Tenure Track Faculty ³

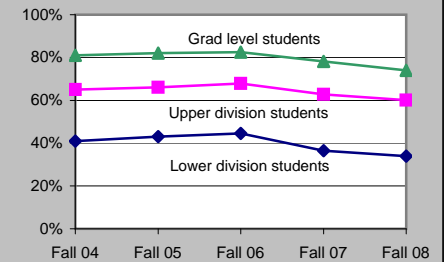
2. a. Lower division students
- b. Upper division students
- c. Graduate level students
- d. All students

	Fall 04	Fall 05	Fall 06	Fall 07	Fall 08
a. Lower division students	41%	43%	45%	37%	34%
b. Upper division students	65%	66%	68%	63%	60%
c. Graduate level students	81%	82%	83%	78%	74%
d. All students	56%	57%	59%	55%	51%

Percent of Credit Hours Taught by Full Time Faculty



Percent of Credit Hours Taught by Tenured/Track Faculty



Notes:

1. - UCLA HERI Faculty Surveys, Fall 07,04,01,98,95,92.
2. - Items B.4 and B.5 are from Baccalaureate Follow-up Studies, 1, 5, and 9 Years Out.
3. - Items C.1 and C.2 are from *Fact Book*. For Fall 07 items C.1c and C.2c altered to include Pharmacy students

updated 8/18/09; 8/11/08; 9/13/07; 9/7/06; 9/13/05; 7/7/05; 7/8/04; 8/7/03; 7/21/03; 5/13/03; 11/22/02; 10/11/02.