University Senates Conference Report

March 14, 2019

Prasanta Kalita and Gay Miller

Academic Affairs and Research Committee
Preparing a workforce

USC Committee – Academic Affairs and Research

Prof. Gay Miller, chair (UIUC)
Prof. Prasanta Kalita (UIUC)
Prof. Xiaoqing Li (UIS)
Prof. Aria Razfar (UIC)
Prof. Christopher Span (UIUC)
Prof. Michael Stroscio (UIC)
TEACHING, RESEARCH, AND PREPARING A LABOR FORCE

Education as life preparation . . . . . . . . . . Education as job training

Preparing informed, literate citizens . . . . . . . . . . Forming entrepreneurs

Nurturing cultural appreciation and creativity. . . . . Teaching practical skills

Developing understanding of others . . . . . . . . Emphasizing analytical skills

*Implications for curricular design, recruitment, and funding models*
This graphic depicts that UI produces and engages:

- Lifelong learners
- Constant access of new information
- Students with a variety of media
- Students at all life stages
- Students work with various devices as they go through life
- Students help produce and do research with devices – both complex and simple

Image from The Economist, Jan 2017; https://www.economist.com/printedition/covers/2017-01-12/ap-e-eu-la-me-na-uk-0
UIUC, Fine and Applied Arts, Architecture

- Students in art and design and architecture
- **SOFA CONNECT** - student design competition.
- Illinois team, one of six finalists.
- Designs built and displayed - 35,000 viewers.

Imagine transformable structures:

- emergency structure transforms to match any disaster
- a building exterior that controls the amount of entering sunlight

https://news.illinois.edu/view/6367/482199

http://btn.com/2019/02/02/how-illinois-is-transforming-architecture-btn-livebig/
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UIUC, Fine and Applied Arts, Dance

• Students connect with potential employers
• Internships, job shadowing, study abroad, laboratories, service learning projects, capstones building a prototype

We address society’s global challenges – food, health, energy, water, resource management, wellbeing.
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Addressing: Society’s grand challenges: Sustainable Water Supply. UIUC class on “Water in the Global Environment”

• 1st place video (first 2 minutes)
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 Addressing: Society’s grand challenges: Sustainable Water Supply. UIUC class on “Water in the Global Environment”

• 3rd place video (end)
ABE 199 CHP - Water in the Global Environment
Association of Environmental Engineering and Sciences Professors – Student Video Competition
Topic: “The Value of Water”

1st Place – Water Warriors

Tyler Angus
Agricultural & Biological Engineering

Giulia Barbieri
Civil & Environmental Engineering

Rhea Bridgeland
Natural Resources & Environmental Sciences

Abby Iuorio
Civil & Environmental Engineering

Lyle Regenwetter
Mechanical Engineering

Electrical Engineering

3rd Place – Water Conservers

Nick Kasner
Systems Engineering & Design

Dario Panici
Nuclear, Plasma, & Radiological Engineering

Kyra Sadovi
Political Science

Robert Stavins
Mechanical Engineering

Sean Zwicky
Kinesiology
Interprofessional Education (IPE) and Collaborative Practice at UIC

→ Diversity of programs offered at UIC

→ Apply **team science** solving challenging problems.

→ IPE) program in **7 health science colleges**

→ Collaborative competence across health profession education

The Seven Health Science Colleges: Applied Health Sciences, Dentistry, Medicine, Nursing, Pharmacy, Public Health and Social Work
Multilingualism and Multiculturalism at UIC

Top 5 most diverse among US campuses:

Office for Access and Equity:

Diversity on the Job:

Managing Workforce Generations:

Understanding the four main generations: Traditionals, Baby Boomers, Generation X, and the Millennial Generation.

Partnerships with Community: (Education, Linguistics & Medicine)
Online Education at UIS

Online Majors (Spring 2019)

- Online majors 35.6% of UIS (1,494 out of 4,202 students)

- Online majors from:
  - 84 counties in Illinois
  - 46 states
  - 14 foreign countries
  - 1 US territory

- Online students are older:
  - 9.4 years for undergrads (32.5 vs 23.1)
  - 5.8 years older for MS (35.3 vs 29.5)

Nicole Watts,
Student Government Association
– Online Student Senator

(https://www.uis.edu/colrs/students/newsletter/national-distance-learning-week/
https://www.uis.edu/colrs/research/)
UIS – Among the Best Online Graduate Business Programs

UIS Management Information Systems (MIS) Ranked 33rd (tied) among 165 programs nationwide by U.S. News in January 2019


MIS graduates with their families

Many graduates celebrate!
Graduate Public Service Internship Program (GPSI) at UIS

The UIS GPSI - ranked as one of Illinois’ premier governmental internship programs.

For 45 years provided top-flight education, real world experience, and lifelong networking connections.

Bredina Coale, right GPSI intern 2018 Brian T. Milbrandt Memorial Intern Award for Excellence Recipient.

Paula Jimenez, left Bredina’s internship supervisor.

https://www.uis.edu/graduateinternprograms/gpsi/
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THANK YOU for listening!

Any Questions?
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