

Academic Unit Collaborations

(Institutional Self-study, Criterion Five, p. 98)

Armour College of Engineering

Biomedical Engineering

- Monthly seminar on biomedical engineering rotating among IIT, University of Chicago, and Argonne National Laboratory
- Organization of the Chicago Universities Bioengineering Industry Consortium (CUBIC) with University of Illinois at Chicago and Northwestern University, including jointly conducting annual meetings
- Organization of the Partnership for Education in Bioengineering Laboratories (PEBEL) with University of Pennsylvania and University of California at San Diego, including meetings and a website
- Establishment of a joint curriculum in computational neuroscience and neuroengineering with the University of Chicago, now complemented by a joint Center for Integrative Neuroscience and Neuroengineering
- Additional collaborations with the University of Chicago in islet cell transplantation and medical imaging

Electrical and Computer Engineering

- Participation in the Wireless Interference Lab (funded by the NSF) with a team of research entities that includes Stevens Institute of Technology, Motorola Labs, and Shared Spectrum Company
- Participation in the National Center for Biomimetic Nanoconductors based at the University of Illinois at Urbana-Champaign (UIUC)—a multi-university center that has recently been funded by the NIH and will focus its activities on the realization of nano-scale biocompatible power sources and the study of transport phenomena in cell membrane and membrane proteins (collaborating institutions—UIUC, Yale University, University of New Mexico, University of Chicago, IIT, Wabash College (Indiana), Oxford, Sandia National Laboratories, Purdue University, and University of California at Davis)
- Faculty collaboration with the newly-created Institute of Nanotechnology at Arizona State University, and the Beckman Institute for Advanced Science and Technology at UIUC
- Faculty collaboration with medical doctors at the Loyola University Stritch School of Medicine and the Hines Veterans Administration Hospital, researching hypertensive renal injury and its relationship to disease states such as diabetes

Mechanical, Materials, and Aerospace Engineering

- Home to the National Diagnostic Facility for fluid dynamics
- Faculty research collaborations with Fermilab, Argonne National Laboratory, Los Alamos National Laboratory, UIC, Hines Veterans Hospital, NASA, Princeton University, University of California at Berkeley, and the University of Chicago

College of Science and Letters

Humanities

- In August, a faculty member served as anchor teacher for the 2005 WTMC Summer School in Ravenstein, The Netherlands. WTMC is the Netherlands Graduate School of Science, Technology and Modern Culture, which provides advanced training for Ph.D. candidates. The theme was “How Technologies Change the World.”
- The Intercollegiate Ethics Bowl (IEB), which numerous educators consider one of the most innovative and educationally valuable approaches to the teaching of practical and professional ethics. Since 1997 a humanities faculty member has served as chair of the Organizing Committee and collaborated with the Association for Practical and Professional Ethics in the organization of the EIB, an event in which 40 schools now participate. Plans are currently underway to expand the program to 100 schools in a tiered competition.

Mathematics and Science Education

- Partnership with Chang-Hua University in the Taiwan Cultural Exchange through which the department hosts a class of 8th grade students from Taiwan every year. MSED also works with the American Geological Institute on development, and faculty are involved in a wide variety of grants and projects
- Joint NSF grant with Western Michigan University to evaluate inquiry-based science teaching
- Contract with the Chicago Public Schools to implement new science curricula in the high schools

Social Sciences

- Educational partnerships with governments from the Chinese provinces of Zhejiang (two groups) and Liaoning (two groups) and the cities of Shenyang and Hangzhou. All have sent groups of government officials (consisting of 23–34 participants) to study for the Master of Public Administration degree from IIT.
- A formal agreement with Social Sciences/Public Administration faculty at Universidad Iberoamericana in Mexico City to encourage academic cooperation through research and study
- Cooperation with international universities, creating a unique opportunity for law, business, and public administration students to earn graduate degrees from IIT's respective programs. Visiting scholars from Shanghai University are currently participating in this program and scholars from Sripatum University in Bangkok began in January 2006.

Chicago-Kent College of Law

- Formation of the Illinois Technology Center for Law and the Public Interest (ITC) in March 2001 in response to the recommendations of a statewide legal services technology needs assessment. The ITC is a unique collaboration of Illinois legal services providers, funders, the private bar, and law schools, which was created by 12 partner organizations with the mission of increasing access to justice for low income and disadvantaged persons through the innovative use of technology to train, support, and educate legal aid providers, pro bono attorneys, and the public.
- An accelerated degree program with UIC which permits UIC undergraduates to enroll at Chicago-Kent after completion of 90 undergraduate semester hours. Students in the program receive a baccalaureate from UIC upon satisfactory completion of their first year of law school at Chicago-Kent (two years for part-time students).
- An extensive faculty speaker series with approximately four to five outside speakers each semester, including exchange programs with Northwestern Law School and the University of Cincinnati Law School. Two years ago Kent instituted a formal symposium series with University of Illinois faculty—each year several members of both faculties participate in a half-day symposium on a given topic.
- Co-sponsorship of the Chicago Intellectual Property Colloquium with Loyola University Chicago School of Law. The Colloquium promotes a discussion on a range of issues in intellectual property and cyberspace law.

Institute of Psychology

- Ongoing faculty collaborative research with investigators at University of Chicago, Wuhan University (China), Rush Presbyterian St. Luke's (Chicago), and Children's Memorial Hospital (Chicago).

Stuart School of Business

- Environmental Management program agreement with ITESM in Monterrey, Mexico, to bring students to Chicago and send Stuart faculty to teach in Mexico (partially funded by a US AID grant)

Collaborations sponsored by the IIT Libraries

- Charter membership in the Illinois Library Computer Systems Organization (ILCSO), which builds and maintains the ILLINET Online database, containing nearly 9 million unique bibliographic records and more than 30 million item records, representing the cataloging of the 65 mainly academic libraries across the state. IIT students, faculty, and staff enjoy full borrowing privileges from any ILCSO member library

- Full membership in the Consortium of Academic and Research Libraries, an organization of over 180 academic and research libraries that are building a shared repository of digital collections
- Downtown Campus Library membership in the New England Law Library Consortium and the Chicago Law School Consortium
- Development of several unique online resources with other organizations. These include the Wright Air Development Center collection, which is the result of extensive cooperation and resource sharing between IIT libraries and various government agencies and the aerospace industry to make available historically significant research papers on flight.
- The [National Center for Food Safety and Technology](#) Library is a result of cooperative efforts of the Galvin Library, the Corn Products Company, and the Food and Drug Administration