

Research, Development & Innovation at Illinois Universities

Universities are the cornerstones of scientific progress. The material taught and experience gained at these institutions establishes the foundation for great advancements in science, engineering and economic development.

Illinois is home to over **200 institutions** of higher education, with a combined enrollment near **900,000 students**. (*Illinois Board of Higher Education*)

Top schools mean top students, which explains our state's success. Illinois boasts some of **the top graduate programs** in the nation. Northwestern University (Kellogg) and University of Chicago (Booth) rank in the Top 10 graduate **business** programs. The University of Chicago (Pritzker) and Northwestern University (Feinberg) rank in the Top 20 **medical** schools. The University of Illinois at Urbana-Champaign (UIUC) and Northwestern University (McCormick) rank in the Top 25 graduate **engineering** schools — UIUC's Department of Agricultural and Biological Engineering ranks **first** in the nation. (*US News & World Report, 2010*)

Illinois excels in academic R&D in part due to the breadth of resources universities have at hand. The combined **total R&D expenditures of the University of Illinois** campuses – Champaign-Urbana, Chicago and Springfield – amounts to \$838 million and **ranks 5th nationally** amongst state university systems. (*NSF*)

The future is bright: Illinois ranks 5th nationally for conferring advanced degrees in science and engineering. The state also ranks 4th in the nation for issuing **doctorates** in both mathematics and chemistry. (*NSF*)

In 2008, The University of Illinois in Urbana-Champaign awarded the **highest number** of Civil Engineering doctoral degrees of any institution. (*NSF*)

Illinois: A Hub for Research & Development

Illinois is home to many university-based national and international research institutes which serve as fertile grounds for collaboration in science and technology activities.

The **National Center for Food Safety and Technology** (NCFST), based at the Illinois Institute of Technology, is a partnership with the Food and Drug Administration and the food industry. Scientists and food industry professionals work together to research new and innovative technologies and improve safety techniques.

The **International Institute for Nanotechnology** (IIN) is the product of collaboration between Northwestern University and Argonne National Laboratory. The IIN, which has already contributed to the establishment of 16 start-up companies, works to develop nanoscale technologies and make them available for commercial use worldwide.

The **National Center for Supercomputing Applications** (NCSA) is internationally recognized for its development and employment of high-performance supercomputers. Located in the University of Illinois at Champaign-Urbana, it is currently home to one of the nation's most powerful set of supercomputers.

Did You Know?

National University Output is Growing:
In the last 40 years, the number of science and engineering doctoral degrees awarded per year in the United States has grown to 45,596.

Illinois, Devoted to Progress:
Illinois' Total R&D Expenditures at Universities & Colleges – FY 2008

Source	National Rank	Midwest Rank
All R&D Expenditures	8	1
Federal Government	8	1
State & Local Government	11	2
Industry	13	3
Institutional Funds	4	1
All Other Sources	1	1

Source: The National Science Foundation

The Illinois Science & Technology Coalition is a 501(c)(6) membership-based organization.

ISTCoalition.org

