

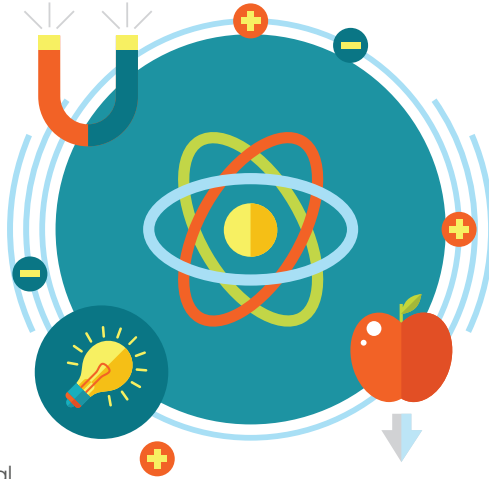
Cutting-Edge Programs,
Smart People, Cool Research

FIND IT ALL AT ILLINOIS TECH

BE IT ALL PHYSICS.

Illinois Tech is a small, private university that educates students to go on to do big things. Similarly, the Department of Physics is small, so you have access to your professors; and the approach is hands-on, so you don't just read about it—you do it. For our physics graduates, this has included top graduate schools and jobs at places like NASA, Google, Textura, Alcatel-Lucent, IBM, and more.

Physics at Illinois Tech is challenging. And when you finish the program, you'll find that many different graduate school and professional options await. That's because when you study physics, you not only learn how nature works at its most fundamental levels. You also learn skills that can be used in many other areas—such as **finance, law, business, and engineering**. Quantitative skills, analytical-thinking skills, problem-solving skills.



B.S. Programs in Physics Fields

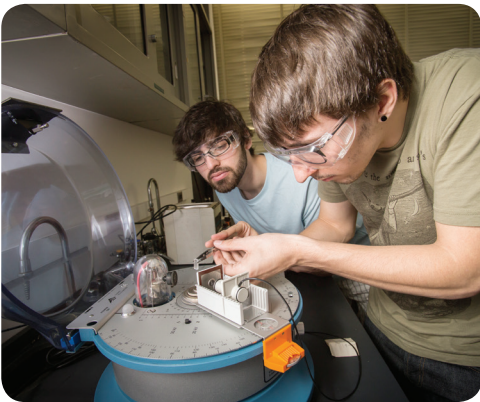
Receive your bachelor's degree in an area of focus with the greatest interest to you.

- Applied Physics
- Astrophysics
- Physics
- Physics Education

2'Fer Advantage

Illinois Tech's special degree programs allow you to receive **both your bachelor's and master's degrees** in as few as five years.

- Bachelor of Science in Physics/
M.S. in Computer Science
- Bachelor of Science in Physics/
M.S. in Health Physics



Research—Even As an Undergrad!

Physics undergraduates at Illinois Tech get the opportunity to work on major research right from the start, including at nearby Argonne and Fermi national laboratories. We also offer \$5,000 Undergraduate Summer Research stipends to select students.

Illinois Tech physics faculty are developing nanoelectrofuel battery technology, exploring the surface conductivity of Nb for reactors, using biophysics to study the molecular basis for muscle physiology, and doing work on the role of accelerator component design and materials on beam dynamics of particle accelerators.

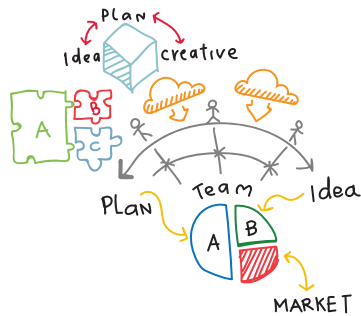
Research on the Edge

With Ph.D.s from Stanford; the University of Chicago; the University of Cambridge; the universities of California, New York, and Virginia; Rensselaer Polytechnic Institute; and other major research universities, our physics faculty are leaders and pushing the boundaries of what we know in many areas, including:

- Elementary particle physics/experimental neutrino physics
- Accelerator physics
- Nuclear reactor physics
- Condensed matter and advanced materials physics
- Synchrotron radiation, X-ray spectroscopy and diffraction
- Experimental and computational biophysics
- Computational physics
- Health physics (radiation protection)

Several Illinois Tech physics faculty and Ph.D. students were among the winners of the **2016 Breakthrough Prize in Fundamental Physics**, which was awarded to five global teams that conduct neutrino oscillation experiments. Among them was Professor of Physics and Vice Provost for Academic Affairs **Christopher White**, a researcher with the Daya Bay Reactor Neutrino Experiment and head of the **undergraduate research program** at Illinois Tech.





Learn to Innovate in IPROs

In Illinois Tech's signature **Interprofessional Projects (IPRO) Program**, you'll work with students from various majors to solve real-world problems. Recent physics-oriented IPROs include:

- Developing an antimatter gravity interferometer
- Galilean test of the Einstein principle of equivalence
- Developing a new strategy to detect smuggled nuclear material
- Auto engines as combined heat+power systems

STAND OUT.

Our graduates are far from ordinary.
But we expect them to be extraordinary.
Meet some of our alumni.



Aram Apyan

(Physics and Applied Mathematics '11)—In the Ph.D. program in theoretical physics at MIT, working on research at CERN



Julia Gonzalez

(Physics Education '13/M.A.S. Science Education '14)—STEM educator at Gwendolyn Brooks College Prep in Chicago



James Kapaldo

(Physics '11)—In the graduate program in electrical engineering at the University of Notre Dame



EXPERIENCE

IT:

Physics at Illinois Tech

“ The cool thing about physics at Illinois Tech is that the curriculum covers such a variety of subjects, making us really versatile students and workers. When I came to Illinois Tech, one of the first things I was told was companies like physics majors because they know we know how to learn, and that's certainly true. You get enough lab experience to be a competitive applicant for industry internships and funded undergraduate research projects. In my case, I had enough programming experience to secure a job as a full-time software developer months before I graduated. It's challenging but definitely rewarding at the end. ”

— **Carly Ilg** (Physics 4th Year), Oak Forest, Illinois
 Future TLP Software Developer for Target

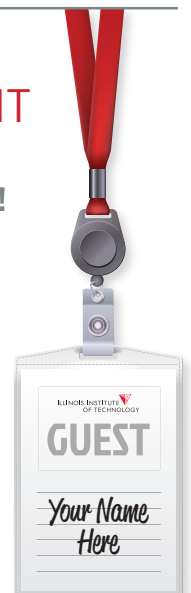
EXPERIENCE IT

SEE WHAT HAWK LIFE IS ALL ABOUT!

Throughout the year we host a number of opportunities for you and your family to come check out everything you'd ever want to know about us!

Schedule a campus visit today at visit.iit.edu.

Or send us an email at admissions@iit.edu.



College of Science
 ILLINOIS INSTITUTE OF TECHNOLOGY



CollegeWeek Live