

ENGINEERING PHYSICS

Tackle the problems of engineering with the skill set of a scientist.

Engineering knowledge is even stronger when you know how the principles of natural science—especially physics and math—apply to your work. UIC's engineering physics major will give you the command of theory you need to succeed in high-level research and development roles.



Patrick Martin, now a principal physicist at Northrop Grumman, capitalized on the connection between engineering and physics as a UIC graduate student, completing a master's in each one. Our major allows you to delve into both as an undergraduate.

Playing the long game

What do UIC engineering physics majors do with their degrees? We surveyed our graduates of the last 20 years and found:

- ▶ Nearly one-third went on to earn PhD, JD, or master's degrees
- ▶ 70 percent held roles in industry or with government agencies
- ▶ Patent law was a common focus of those practicing law

Current EP majors have held internships at American Energy Technology, Fermilab, HydroAire, Navistar, as freelance programmers, in UIC research labs, and beyond.

Learn more at ece.uic.edu.



A QUANTUM LEAP

Quantum computing has the potential to completely revolutionize how we interact with the world around us and, in particular, how we approach problem solving in scientific disciplines like physics, computer science, chemistry, and engineering.

Chicago is a hotbed for quantum information science. UIC is part of the Co-design Center for Quantum Advantage, a U.S. Department of Energy-funded center focused on building the tools necessary to create scalable, distributed, and fault-tolerant quantum computer systems.

Professor Thomas Searles, who studies quantum materials, forecasts exceptional opportunities for engineering physics in the next decade as a new quantum industry emerges here.

Students interested in quantum can join the Quantum Computing Club or take courses such as:

- ▶ PHYS 240 Fundamentals of Modern Quantum Theory
- ▶ PHYS 411 Quantum Mechanics I



With an engineering physics degree, you might:



Work with emerging companies on space exploration



Do research at one of 17 U.S. national laboratories



Find ways to make new technologies commercially viable



Chicago is
where you
will rise.



Engineering Physics

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