

# Apprenticeships with the **Industrial Leadership in Physics** Program at Georgetown University

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Founded in 2001, Georgetown University's Industrial Leadership in Physics (ILP) program fosters academic excellence and provides the tools for successful careers in high-tech industry. Students take advanced physics courses supplemented by courses in business and entrepreneurship at the McDonough School of Business. The ILP is designed for PhD students interested in industrial careers and a targeted educational experience.

A defining feature of the ILP is its industrial apprenticeship. After four semesters of coursework, our graduate students spend approximately one year as industrial apprentices. Students work on problems designed by the industrial sponsor at the company location, building skills in applied physics and work relations. Past industrial partners include: Almaden Research Center at IBM, Procter & Gamble, Areté Industries, Scientific and Biomedical Microsystems, and Seagate.

- **Qualified:** The industrial partner profit from hiring qualified PhD candidates to meet their current needs.
- **Cost-effective:** The industrial partner pays a flat fee to the university that is less than the typical salary for a masters-level employee. The fee covers the student's salary, tuition, health insurance and relocation expenses.
- **Flexible:** A full apprenticeship typically lasts 11.5-months at the sponsor's site, however, other durations are possible in cases of mutual interest.
- **Adaptive:** Some past projects have been extended to form the student's thesis topic in collaboration with the sponsor.
- **Secure:** Sponsors can contractually retain all Intellectual Property Rights for work performed at the sponsor's site. The company's IP rights can be protected by a non-disclosure agreement signed by the apprentice.
- **Measured:** Apprenticeships are a valuable opportunity to access and evaluate potential future employees.

For further information visit <https://physics.georgetown.edu/ILP> or contact:

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