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Smart Infrastructure Engineering Leadership Development Program: *Electrical Products Internship*

Program Overview:

The Smart Infrastructure Engineering Leadership Development Program (ELDP) Internship with the Siemens Industry, Inc., Smart Infrastructure Electrical Products division, is a 12-week summer internship program that offers hands-on experience in a real-world engineering environment committed to quality, excellence, and innovation. Smart Infrastructure combines the real and digital worlds across energy systems, buildings, and industries, transforming the everyday for how people live and work, while significantly improving energy efficiency and sustainability to transform the way we live and work – driving energy efficiency and sustainability for energy systems, buildings, and industries. Our Electrical Products portfolio of cutting-edge technologies (such as circuit breakers, electrical panels, and switchgear) allows customers to take large blocks of electrical power, safely divide them into smaller blocks of electrical power, and monitor and control the usage of that power.

Your internship will be guided by your manager, who will provide ongoing direction and feedback, while requiring you to be self-motivated, organized, solution-oriented, and collaborative. In addition to practical work experience, you'll accelerate your development and expand your technical skills through support from executive mentors and early career mentors, and by engaging in fireside chats with guest speakers, product training and group projects. Successful completion of the internship will prepare you for a potential opportunity in the full-time rotational Engineering Leadership Development Program or a direct hire position.

Examples of Past Projects:

Projects are assigned based on your skill set, your expressed desire for a type of project and business need. Specific work assignments will involve a wide range of functions including product design, product management, feasibility analysis, quality assurance, service, manufacturing, project management, and applications engineering.

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Mechanical Engineering interns may learn and develop skills for 3D CAD, designing and prototyping components, thermal and mechanical testing, and design analysis. They may work projects related to product development and order engineering.

Electrical Engineering interns may learn and develop skills for building and testing circuit designs and reading and creating electrical schematics. They may have the opportunity to work on projects such as printed circuit board (PCB) design, hardware implementation, software development, and power distribution.

Computer Engineering and Computer Science interns may work on software and system engineering-related activities. They may work with power monitoring systems, programmable logic controllers (PLCs), applications and controls, embedded systems, database management, and UI and UX in a range of programming languages.

Candidate Requirements:

Majors:

- Computer Engineering
- Computer Science
- Electrical Engineering
- Mechanical Engineering

Academic Standing:

Rising sophomore, junior, or senior.

Schedule: Candidates must be willing and able to work 40 hours per week.

Work Authorization: Permanent work authorization in the U.S. is required.

Potential Locations:

Grand Prairie, TX
Hingham, MA
Peachtree Corners, GA
Tucker, GA
Roebuck, SC

About Siemens

Siemens Corporation is a U.S. subsidiary of Siemens AG, a leading technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose, adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a global leading medical technology provider shaping the future of healthcare.



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