



National Grid's Engineering Pipeline Program

Fewer students are becoming engineers despite the importance of engineers in today's society. National Grid uses engineers for a variety of reasons including understanding how to be more energy efficient, discovering how to reduce their energy use and determining where energy will come from in the next century

Put simply, National Grid depends on engineers as creative problem solvers who help shape the future. They look to the younger generation to become engineers and a part of their future workforce.

National Grid's Engineering Pipeline Program offers high school and college students the chance to learn more about National Grid and the engineering profession as a whole through a structured six-year program. It's a chance for students to translate their interest in science, technology, engineering or mathematics into a future career of their choice.

As members of the Pipeline program, students are given the opportunity to gain exposure to the engineering industry through instruction, in and out of the classroom; site visits; research and projects. Highlights include opportunities for paid internships, real life engineers as mentors, with job shadowing to experience a "day in the life of", networking with fellow program participants and even the chance to advise younger members of the program as they move throughout the program. The end result could be a future career with National Grid once they graduate from college.

National Grid's Engineering Pipeline Program sets a student apart from the crowd. As a Pipeline Scholar, they will begin to cultivate their own talent for a future career in engineering before they even leave high school.

- **Year one** is just the first step in identifying high school students as credible talent in the eyes of colleges and future employers. Students will have the opportunity to participate in a one-week summer "Intro to Engineering Academy". This is a valuable opportunity to meet National Grid employees and network with other accomplished students.
- **Year two** happens the summer before the student's freshman year of college. Students will participate in a more comprehensive summer "Future of Engineering Academy" where they learn about the challenges the energy industry faces and what skills students will need to be successful in the industry.
- **Year three** allows students to compete for a select number of National Grid Summer Internships, which is a paid position.
- **Year four** allows students to again apply for a summer internship at National Grid where students work on real projects. Returning pipeline scholars have the option to continue in the same department or rotate to another department to gain full exposure.
- **Year five** allows students to utilize their National Grid network for advice on post-graduate opportunities. Additionally, now that students have completed four full years of the Engineering Pipeline Program, they now serve as mentors to younger students in the program.
- **Year six** is the final year of the program when students get ready to graduate from college. They leave the program knowing that they have valuable work experience that sets them apart from other engineering graduates. Additionally, students graduate from this program knowing that there is a possibility for a future career at National Grid.

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The Engineering Pipeline Program is a great way to jumpstart a student's future career while they are in high school and college. The program offers students a first-hand look at current and future challenges in the energy industry, technology and innovation, and the vital role of engineers. Even if students are not sure if they want to be an engineer, this is an opportunity to find out more about the wide range of jobs that engineers actually perform. In addition, they will gain the advantage of having valuable work experience that will mark them as an attractive job candidate.