

# Engineering Pipeline Program

---





When National Grid thinks about the future, we think of innovation, especially in the area of energy conservation. We are passionate about the issue of climate change. We are committed to playing a large role in the transition to a low carbon economy and we need your help to get it done.

## Did you know

- that electrical engineer Martin Cooper invented the cell phone?
- that civil engineer John Roebling designed the Brooklyn Bridge?
- that electrical engineer Stephen Wozniak founded Apple?
- that chemical engineer Erik Rotheim invented the aerosol spray can?
- that Larry Page, one of the co-founders of Google, has a degree in engineering?
- that Craig Newmark, founder of Craigslist, has a degree in electrical engineering?

Fewer students are becoming engineers despite the importance of engineers in our society.

At National Grid, without the help of engineers, we could not:

- ♦ Understand how to be more energy efficient
- ♦ Discover how to reduce our energy use
- ♦ Determine where our energy will come from in the next century

Put simply, we depend on engineers as creative problem solvers who help shape the future. And we're looking to you to become engineers and part of our future workforce.

### What you will get out of this program

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 to translate your interest in science, technology, engineering or mathematics into a future career of your choice.

As a member of the Pipeline program, you will be 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 you move along the "Pipeline".

The end result could be a future career with National Grid once you graduate from college.



## Discovering Engineering as a Career

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



### Year One: Exploring Engineering

Gaining admission to the Pipeline Program is just the first step in identifying you as a credible talent in the eyes of colleges and future employers. You will also 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 from schools across New York and New England. In addition, the Pipeline Program is a fantastic achievement to mention on a college application to make you stand out as an applicant.

### Year Two: Defining the Future of Energy

Congratulations! You've graduated from high school and are ready to attend college. What does the Pipeline Program bring you this year? The opportunity to build on your knowledge and experience and attend a more comprehensive summer "Future of Engineering Academy." Learn about the challenges the energy industry faces and what skills you will need to be successful in this industry, as well as tips to make the most of your college education to prepare for a career in engineering.

### Year Three: More than a Mere Freshman

Most freshman students would consider completing their first year of college as their major accomplishment, but you're ready for a summer internship and networking opportunity that will make you the envy of your friends. As a Pipeline Scholar, you will be given the chance to compete for a select number of National Grid summer internships. Unlike many students who are forced to take unpaid internships or jobs unrelated to their majors, National Grid recognizes that our Pipeline Scholars' time is valuable and in recognition of this, our interns are paid while learning on the job.

### Year Four: A Meaningful Experience

Halfway through college, you can look forward to another summer working at National Grid. While other students may be stuck making copies and fetching coffee as their summer desk job, your status as a Pipeline Scholar means that you have another opportunity to apply for a summer internship where you will be working on real projects. Returning Pipeline Scholars may have the option to stay with a National Grid department that they've worked with in the past or the flexibility to rotate to another department to gain full exposure to a variety of career options. Still paid, of course.

### Year Five: Making the Most of Your Business Contacts

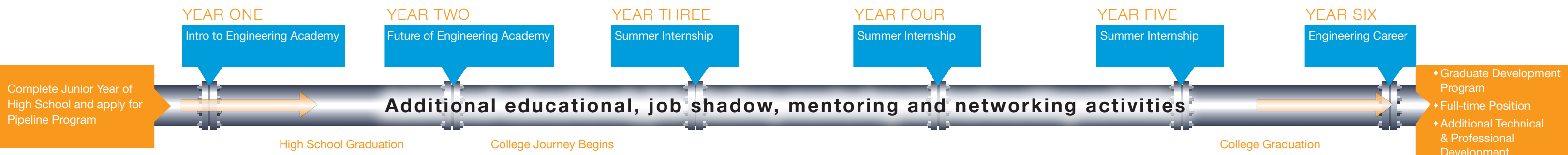
While junior and senior years are the time when most college students start thinking – and stressing – about future careers, you're feeling assured that you already have two years of valuable work experience under your belt and another summer internship opportunity. While your friends visit the campus career center for mock interviews, your contacts and mentors at National Grid can be your personal source of valuable career advice.

In addition, your experience with the Pipeline Program means that you are serving as a mentor to younger students in the program. This is a great qualification to list on your resume when most college students can only rely on extra-curricular activities as proof of their leadership skills.

### Year Six: Life after College

Graduation can be exciting yet nerve-racking for graduates. For your friends, their biggest challenge may be figuring out how to answer questions at social gatherings on what they are going to be doing for the rest of their lives. You are confident knowing that you have years of valuable work experience that sets you apart from other recent engineering graduates. Even more exciting is the possibility for talented Pipeline Scholars to be selected for a future career at National Grid.

## The Engineering Pipeline Journey



### How to enroll

If you are interested in enrolling in the Engineering Pipeline program, we encourage you to have a discussion with your guidance counselor to fill out the program application. Please keep in mind the application must be turned in by the deadline printed on the application. In addition to a strong interest in science and math, applicants:

- ◆ Must have completed their junior year of high school by July 1
- ◆ Hold a minimum cumulative GPA of 87 out of 100
- ◆ Submit a 250-word essay explaining your desire to learn about engineering
- ◆ Include two teacher evaluations

Once accepted into the program, students must maintain a 3.0 GPA in college, pursue an engineering degree and participate in ongoing Pipeline Program activities in order to be considered for future employment with National Grid.

Please note, a student may be dropped from the Pipeline Program if they fail to meet all conditions. The Pipeline Program continues to be improved and is subject to modifications throughout its six year timeline.

### How is this going to help students and their future careers

The Engineering Pipeline Program is a great way to jumpstart your future career while you're in high school and college. The program offers you a first-hand look at current and future challenges in the energy industry, technology and innovation, and the vital role of engineers.

Even if you're not sure you 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, you'll gain the advantage of having valuable work experience that will mark you as an attractive job candidate.

### Just think...

Engineers assembled a rocket ship, and we landed on the moon.

Engineers created the video gaming industry, starting with Atari® and evolving into the Kinect®.

And yes, engineers were responsible for developing everyday products such as the sneakers on your feet and the iPod®!

**What will you accomplish? With engineering, the possibilities are truly endless.**



“It opened my eyes to the world of engineering, and what I would have to do to begin my engineering career.”

The most valuable thing I learned about an engineering degree is that it is very versatile.”

*Year One Scholar*



“After two years at National Grid, I want to be an engineer more than I did before, mainly because National Grid has given me the chance to be immersed in an engineering environment with engineers who have the same goals.”

*Year Two Scholar*



## nationalgrid

National Grid  
40 Sylvan Road  
Waltham, MA 02451

Tel. 781-907-1000  
[www.nationalgrid.com](http://www.nationalgrid.com)

Engineering Our Future:  
[http://www.nationalgridus.com/commitment/d3-14\\_engineering.asp](http://www.nationalgridus.com/commitment/d3-14_engineering.asp)

### **EEO statement**

National Grid is committed to providing equal opportunity to employees and applicants for employment without regard to race, color, religion, creed, national origin, ancestry, alienage or citizenship status, gender, sexual orientation, gender identity, age, physical and mental disability, marital status, veteran status, predisposing genetic characteristics, or any other factor protected from discrimination under municipal, state or federal law.