Engineer Apprentice Role Overview

Launch Your Career in Broadcast Engineering

If you're excited by technology, enjoy figuring out how things work, and want a career that can take you behind the scenes of live productions and events, the **NEP Broadcast Engineer Apprentice Program** offers an opportunity to **learn by doing**, **build real-world experience**, and **develop the skills for a successful career in broadcast engineering.**

About the Program

The Broadcast Engineer Apprentice Program is a hands-on, 12-month development program designed to prepare the next generation of broadcast engineers. Based at **NEP Headquarters in Pittsburgh, Pennsylvania**, you'll learn alongside experienced professionals, work directly with industry-leading broadcast technology, and build the technical skills needed to support complex live production environments.

This isn't classroom training. You'll gain practical experience through technical rotations, systems integration projects, and real-world road assignments—all designed to prepare you for the next step in your career with NEP.

Upon successful completion of the program and Final Evaluation and Assessment, you'll be eligible for promotion into an Engineering role within an assigned NEP business unit, which may include **Mobile Units, Data Centers, Rentals, Broadcast Sports (Radio Frequency), or Integrated Solutions**.

What You'll Learn

Throughout the program, you'll build your knowledge and confidence through progressively more advanced technical rotations in:

- **Field Shop – 3 Weeks**
  Get introduced to professional broadcast equipment and learn equipment preparation, troubleshooting, maintenance practices, shop operations, and technical procedures.
- **Fiber Optics – 3 Weeks**
  Develop hands-on experience with fiber-optic systems, including proper handling, termination, testing, troubleshooting, and maintenance.
- **Copper – 1 Week**
  Learn the fundamentals of copper cabling, connectors, termination, testing, and broadcast signal infrastructure.
- **Panheads, Sticks & Power Systems 101 – 1 Week**
  Build foundational knowledge of professional camera support equipment, including panheads and tripods, while learning the basics of electrical and power distribution systems used in broadcast environments.
- **Systems Integration / Systems I – 6 Months**
  Put your skills to work through extensive hands-on experience with broadcast systems integration, equipment installation, wiring, configuration, documentation, testing, and troubleshooting.

- **Systems II / Road Assignments – 4 Months**
  Take your training into the field. Work alongside experienced NEP engineering professionals and apply your technical knowledge in real-world live production environments.

The length and order of individual program rotations may vary based on technical proficiency, business needs, and scheduling.

Your Path to an Engineering Career

Your development will be supported and evaluated throughout the program. A formal evaluation will be conducted at the completion of each phase to assess your progress, technical competency, job performance, and overall development. Upon successful completion of the program and Final Evaluation and Assessment, you'll be eligible for promotion into your assigned business unit Engineering role.

Where The Program Can Take You

- All Apprentices begin their journey at **NEP Headquarters in Pittsburgh, Pennsylvania**, where they will be based throughout the 12-month training program.
- Following successful program completion and promotion, you will be required to **relocate to the designated home location of your assigned business unit**.
- For the Mobile Units business unit, promoted Apprentices will remain in residence in Pittsburgh for an additional year before moving to their location choice.
- Engineering roles supporting NEP remote events also require extensive travel. Candidates must be **willing and able to travel up to 100% after completing the Apprentice Program**, based on the requirements of their assigned role and business unit.

What We're Looking For

We're looking for curious, technically minded individuals who enjoy solving problems, learning new technologies, and working as part of a team in fast-paced environments.
Preferred qualifications and skills include:

- Associate or Technical Degree in **Broadcast Communications, Electronics, Engineering**, or a related technical field preferred.
- Formal training or some experience in **electronics and IP networking** preferred.
- Strong Mac and PC skills, including proficiency with Microsoft Office and a working knowledge of networking concepts.
- Strong technical, analytical, and problem-solving abilities.
- Ability to learn new technologies and technical systems quickly.
- Ability to work independently as well as collaboratively in a team-oriented environment.
- Ability to manage multiple assignments and priorities within tight deadlines.
- Strong communication and organizational skills.
- Willingness and ability to relocate following successful completion of the program.
- Willingness and ability to travel extensively—up to 100%—to support NEP remote events following program completion.
- Commitment to delivering superior service, building strong relationships, and demonstrating NEP's Core Values: Innovative, One Team, Passion, and Integrity.

How to Apply

Visit nepgroup.com/careers# to search our Current Openings.