



SKILLS

- ❑ Utility Plan Interpretation
- ❑ Field Data Collection Techniques
- ❑ 2D Drafting & GIS Technologies
- ❑ Safety Protocols Implementation
- ❑ Comprehending Scales, Locations, and Dimensions
- ❑ Effective Communication Skills
- ❑ Team Collaboration in Project Environments

KNOWLEDGE

- ❑ Understanding of Underground Infrastructure
- ❑ Utility Coordination & PA One Call Process
- ❑ Comprehensive understanding of drafting water and sewer plans
- ❑ Real-world applications of Civil Engineering & Land Surveying
- ❑ Basics of Engineering Aide and Technician Roles in Infrastructure
- ❑ Safety protocols and procedures in fieldwork

The **Infrastructure Bootcamp**, presented by **Rodriguez University** in partnership with our non-profit partners, offers a 16-week program that serves as an alternative gateway into the rewarding sectors of civil engineering and land surveying. Participants don't need a conventional college degree to enroll, as the curriculum blends theoretical instruction with hands-on training to cover a wide array of indispensable skills and knowledge.

The program kicks off with an in-depth examination of Philadelphia's vital underground infrastructure—water, sewer, stormwater, and transportation systems. From there, students immerse themselves in specialized modules focused on everything from interpreting utility plans and navigating the PA One Call process to mastering safety protocols. Additional skills taught include field data collection, 2D drafting, and GIS technologies, supported by industry-standard tools like Google Workspace and CAD.

Participants are introduced to various roles within the infrastructure career spectrum, such as Engineering Aide and Engineering Technician. An Engineering Aide typically assists engineers in drafting and data collection, while an Engineering Technician may work more advanced CAD drafting and design elements of a project. These career paths provide a plethora of opportunities for growth and specialization, perfect for those with varying educational backgrounds.

While engagement with our non-profit partners isn't obligatory, it is strongly recommended to maximize the benefits of additional support and opportunities. The Infrastructure Bootcamp at Rodriguez University is tailored to meet the growing demand for skilled professionals in the fast-evolving field of infrastructure, equipping you to excel in your career while addressing both societal and business needs.

Rodriguez University – A Pioneer in Workforce Development

In partnership with **Hopeworks** and **PowerCorpsPHL**, we're on a mission to equip the next generation with the skills they need to succeed in the realms of civil engineering and land surveying. Step into a world where a college degree isn't the sole pathway to success!

PROGRAM HIGHLIGHTS:

- ❑ **WHEN:** Feb 6, 2024 to May 8, 2024
(Commencement May 14, 2023)
- ❑ **WHERE:** Rodriguez Consulting
100 W. Oxford Street, Suite E-3100
Philadelphia, PA 19122.
- ❑ **Expert Instruction:** Learn directly from Rodriguez's seasoned professionals —engineers and surveyors.
- ❑ **Collaborative Training:** We highly recommend collaboration with our non-profit partners, Hopeworks and PowerCorpsPHL, for enriched learning and support.
- ❑ **Career Advancement:** Successful completion can pave the way for job placement with Rodriguez or our partner organizations.

BENEFITS:

- ❑ Extensive training and real-world application in civil engineering & land surveying.
- ❑ Mentorship from Rodriguez's experienced professionals.
- ❑ Potential job placement opportunities post-completion.
- ❑ Immense networking opportunities.
- ❑ A nurturing learning environment promoting teamwork.
- ❑ Personal and professional growth.

READY TO EMBARK ON A NEW ADVENTURE?:

Dive into the world of water infrastructure. Scan the QR code below and apply now!

