



Science, Technology, Engineering and Mathematics (STEM) Occupational Pathways

Youth Apprenticeship

BIOSCIENCE APPLICATIONS

Bioscience Applications youth apprentices perform biological laboratory procedures including preanalytical, analytical and post-analytical work using common laboratory equipment. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One year (prerequisite Bioscience Foundations program)

***Bridging**

BIOSCIENCE LAB FOUNDATIONS

Bioscience Lab Foundations youth apprentices use laboratory equipment and tools to perform biological laboratory procedures. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One year

***Bridging**

CIVIL ENGINEERING

Civil Engineering youth apprentices contribute to the development, assessment and design of highway, bridge, building and municipal construction. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One year (prerequisite Engineering Drafting)

***Bridging**

ENGINEERING DRAFTING

Engineering Drafting youth apprentices perform prepare engineering drawings using current industry software, integrating concepts of building materials, engineering practices and mathematics. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One year (prerequisite to Civil Engineering or Mechanical/Electrical Engineering pathway for a second year)

***Bridging**

MECHANICAL/ELECTRICAL ENGINEERING

Mechanical/Electrical Engineering youth apprentices use mechanical/electrical drawings to contribute to the construction of prototypes, concepts and mechanical/electrical engineering projects. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One year (prerequisite Engineering Drafting)

***Bridging**

Key: *Bridging indicates where a Registered Apprenticeship bridge does not exist, one may be developed.

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