



# Bioscience Lab Foundations

Youth Apprenticeship

## 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. This pathway is the prerequisite to second year Bioscience Applications program.

## COMPETENCIES

---

Youth apprentices must complete a **total of 10** competencies. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Competencies
1. Use aseptic technique
2. Prepare glassware and instruments
3. Prepare reagents, solutions, and/or buffers
4. Perform calculations and conversions
5. Weigh and measure substances
6. Operate lab equipment
7. Conduct testing according to protocol
8. Record testing results
9. Maintain testing records
10. Maintain lab inventory

## REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

---

The following Registered Apprenticeship is available in this area:

- Biotechnology Lab Support Assistant

## POST-SECONDARY PATHWAY OPPORTUNITIES

---

There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Biotechnology Laboratory Technician
- Medical Laboratory Technician