Pacific Education Institute

Urban and Community Forestry CTE Framework Sequence

Pathways to Green Jobs

Urban and community forestry job openings are expected to increase in coming years, yet employers struggle to find applicants with the entry level skills and experience needed to enter this field.

PEI's statewide equivalency high school frameworks and industry recognized credentials prepare students succeed in the workforce through career connected learning at employer sites.

Standards Alignment:

- Designed for use in Career and Technical Education (CTE) programs
- Next Generation Science Standards
- Agriculture, Food and Natural Resources Career Cluster
- 21st Century Skills
- Washington State Math

Sequence Overview:

- Introduction to Urban and Community Forestry (UCF)
  - 1 credit Lab Science, Algebra I, or Integrated Math I
- Advanced UCF
  - 1 credit Lab Science, Geometry II, or Integrated Math II
  - Designed for dual credit with community colleges

Course Units Include:

- Safety, well, being and teamwork
- Trees and people
- Plant ID and anatomy
- Tree health
- Tree planting
- Remote sensing and data analysis
- Career pathways
- Supervised agricultural experience

Workforce Partners Include:

Funding Provided by:

- EPA Environmental Justice Government-to-Government Grant
- USDA Forest Service Urban and Community Forestry Inflation Reduction Act

Entry Level Skills Valued by Employers:

- Safety and teamwork
- Education and outreach
- Data collection
- Tree identification
- Use of forestry equipment
- Driver's license and clean driving record

"This experience was very helpful with finding potential career pathways. I am now planning to do an apprenticeship with Spokane Conservation District."

–Student participant