

President's High Growth Job Training Initiative

The Triad Initiative



Grant amount: \$1,475,045

Grantee: Edmonds Community College

Leveraged amount: \$794,064

Key partners: Everett Community College, the Boeing Company, the Snohomish Workforce Development Council, the Snohomish Economic Development Council and other Snohomish County aerospace manufacturing supplier industries

Location of grant activities: Lynnwood, Washington

Challenge:

Currently standard curriculum and certifications only exist for entry level technicians. This project will address the need for an aerospace career ladder and related education advancement pathways. Edmonds Community College has submitted a proposal designed to develop standard advanced- manufacturing, high-technology curriculum for aerospace training opportunities for technicians in Snohomish County, Washington.

Addressing the Challenge:

Edmonds Community College and its partners will focus on developing advanced aerospace technician curriculum, career ladders, and distance learning approaches associated with the Boeing 787 supply chain. The applications of these training models will also support manufacturers in the marine industry, biomedical industry, and the construction industry, ensuring that this project is highly replicable. All these efforts support a regional, cluster-based integrated economic and workforce development strategy in Washington State's aerospace and advanced manufacturing sectors.

Projected Outcomes:

- A systems level curriculum roadmap with course materials for delivery to engineering and technology students and incumbent and transitioning workers;
- Materials developed with an established Instructional Design Standard for the curriculum and course materials;
- Learning activities that produce integrated skills in composites, product lifecycle management and large-scale systems processes in a cross-cultural-environment;
- Models for increasing collaboration with leading industry partners to develop a validated, competency-based training program;
- Delivery models that provide blended e-learning and instructor delivery approaches and assessment methodologies that ensure learning has occurred;
- A 21st Century aerospace manufacturing career roadmap that provides students and incumbent workers with education and career pathway information.

