

President's High Growth Job Training Initiative

The Triad Initiative

Grant Amount: \$1,475,045

Grantee: Edmonds Community College

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

Leveraged Amount: \$794,064

Location of Grant Activities: Lynnwood, Wash.

Challenge: This proposal addresses several challenges identified by aerospace sector stakeholders regarding the need for developing standard advanced level curriculum and multiple delivery options including distance learning. 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: With its grant, Edmonds Community College and its partners will focus on increasing 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, bio-medical 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 Outcome:

- A systems level curriculum roadmap with course materials on topics of composite fundamentals, process methodologies and cross cultural teaming for delivery to engineering and technology students in higher education 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 (tools and processes will provide learning solutions to reach a mobile, multi-cultural workforce)

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- A 21st Century aerospace manufacturing career roadmap that provides students and incumbent workers with education and career pathway information

The logo for the Employment and Training Administration (ETA) consists of the lowercase letters "eta" in a bold, sans-serif font, centered within a yellow square.

EMPLOYMENT AND TRAINING ADMINISTRATION
UNITED STATES DEPARTMENT OF LABOR

*Aerospace Demonstration Grants
Announced on November 5, 2004*