# **BUILDING EQUITY IN AEROSPACE TRAINING (BEAT)**

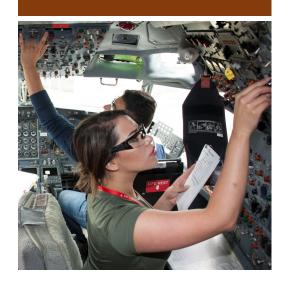
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## **PURPOSE**

Over the three-year period, this project will increase the enrollment of underrepresented (female) students in high school aerospace education courses and Aviation Maintenance Technology programs at Everett Community College.

## **PARTNERS**

Everett Community College Everett Public Schools Marysville School District Mukilteo School District National Girls Collaborative Project





National Science Foundation

## PROJECT GOALS AND STRATEGIES

- 1. Increase educators' knowledge and use of equity-based teaching strategies in the aerospace training pathway
  - a. Real world, experiential summer professional development
  - b. Professional learning community focused on equitable teaching
- 2. Increase the confidence of secondary and post-secondary career counselors, advisors, and other educators in engaging female students in the aerospace pathway
  - a. Partner with industry experts
  - b. Mini-grants to implement outreach projects that activate strategies from the summer institutes
- 3. Reduce the number of female students that opt out of STEM
  - a. Utilize software analytics to identify and support young women likely to aspire to aerospace careers
  - b. Establish liaison at each school to support female students

The Boeing Company predicts the aviation industry will require 189,000 new technicians by 2037 in North America.

#### **PROJECT OUTCOMES**

### (1) Instructors

- a. Knowledge of high demand career fields in aerospace
- b. Knowledge and implementation of instructional strategies for engaging young women
- c. Partnerships with industry experts
- d. Participation in professional learning community

#### (2) Career counselors and advisors

- a. Knowledge and use of workforce employment data to advise student course and career choices
- b. Use of outreach support to identify young women interested in aerospace courses and experiences
- c. Partnerships with industry experts

#### (3) Students

- a. Knowledge of aerospace courses and careers
- b. Participation in aerospace courses and experiences
- c. Course and career support and guidance by educators and family members
- d. Access to female role models from aerospace industry

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