

Strengthening Oklahoma's Aviation Maintenance Workforce Pipeline through Collaborative Efforts of CareerTech, Educational Institutions and Industry Partners

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FAA Grant Goal

- ▶ Establish a more diverse and sustainable workforce in the Oklahoma aviation maintenance industry.
- ▶ The pipeline will allow students to:
 - ❑ secure aviation maintenance industry-validated credentials;
 - ❑ earn postsecondary credits; and
 - ❑ maximize credit for prior workforce learning.



FAA Grant Objectives

- ▶ Establish a comprehensive approach to increase the recruitment, enrollment, retention, and graduation in STEM education.
- ▶ Ensure that all students have access to aviation technician skills training and other educational opportunities and support initiatives that lead to greater economic prosperity.



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FAA Grant Objectives

- ▶ Pay close attention to students from all ages coming from populations who have historically experienced opportunity and economic disparity gaps.
- ▶ Create a more efficient and effective transition regarding educational opportunities for students in the aviation maintenance career pathway from high school to college; resulting in a pipeline of skilled aviation maintenance technicians graduating with little or no debt.



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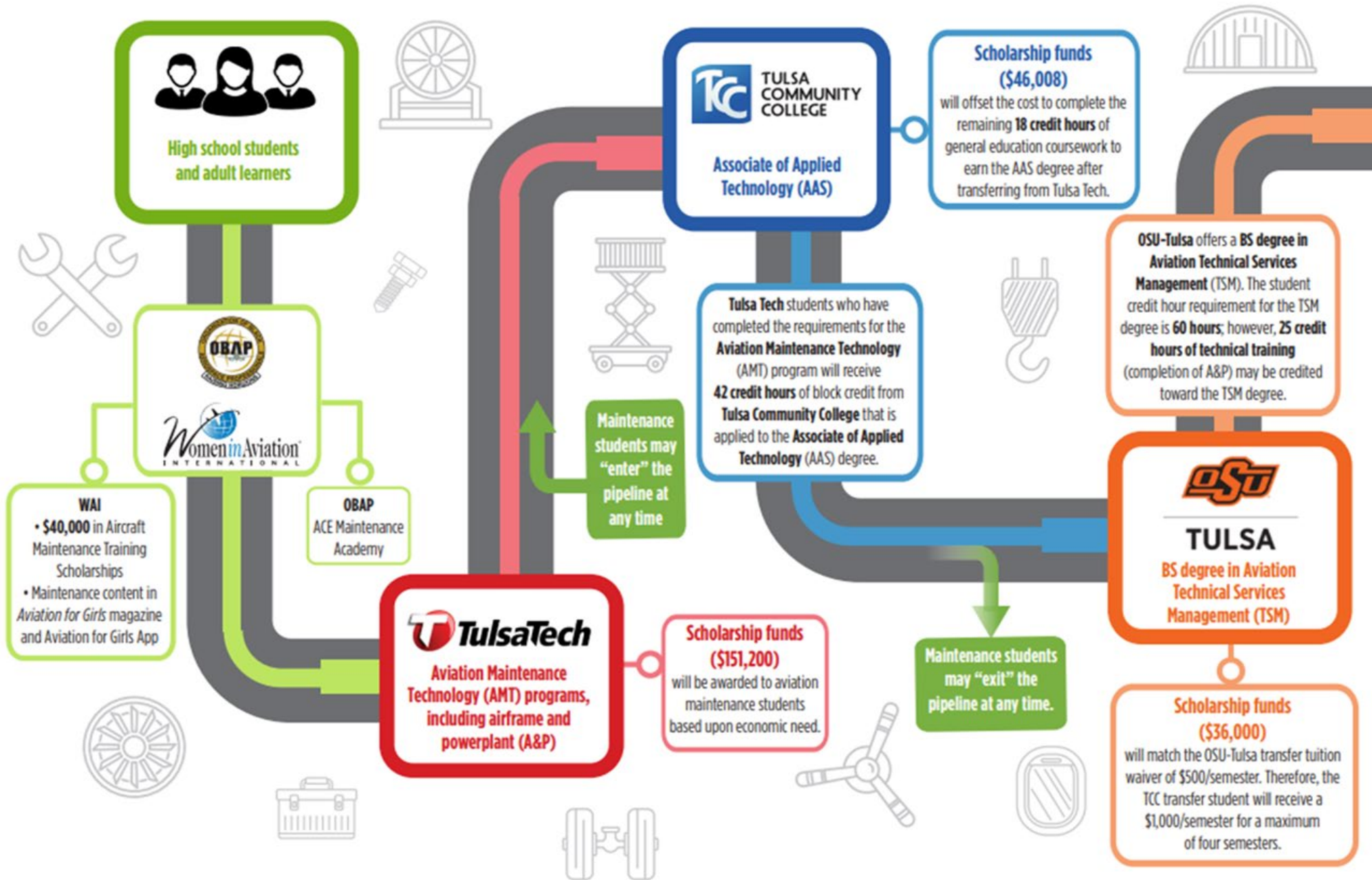
FAA Grant Partners

- ▶ Tulsa Tech
- ▶ Tulsa Community College (TCC)
- ▶ Oklahoma State University Tulsa (OSU Tulsa)
- ▶ Women in Aviation International (WAI)
- ▶ Organization of Black Aerospace Professionals (OBAP)



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AVIATION MAINTENANCE TECHNICAL WORKFORCE PIPELINE



Workforce Groups

- ▶ High School students
- ▶ Adult learners



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Educational Partners



- ▶ FAA Part 147 training facility
- ▶ Aviation Maintenance Technology (AMT) programs
 - ❑ A&P certificate
- ▶ High school students
- ▶ Adult learners
 - ❑ Including Veterans



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Educational Partners



- ▶ Tulsa Tech was awarded \$151,200
- ▶ As of September 2022:
 - ❑ 51 students were awarded \$68,500 for tuition, and
 - ❑ 3 students were awarded \$550 for books.



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Educational Partners



**TULSA
COMMUNITY
COLLEGE**

- ▶ Oklahoma's largest multi-campus community college.
 - ❑ Serves 23,000 students.
- ▶ Tulsa Achieves program
- ▶ Tulsa Tech's AMT program = 42 credits towards TCC's Associate of Applied Technology (AAS) degree.
 - ❑ Students only need to complete 18 credit hours to earn AAS degree.



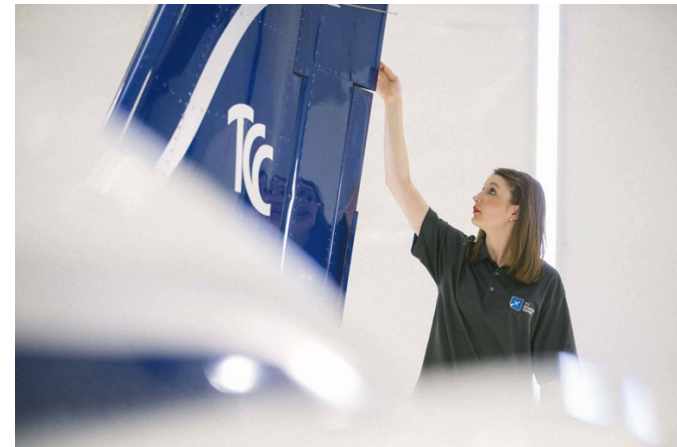
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Educational Partners



**TULSA
COMMUNITY
COLLEGE**

- ▶ \$46,008 - Offset the cost to complete the remaining 18 credit hours to earn an AAS degree.
 - High school students matriculating from Tulsa Tech
 - Including high school students in Tulsa County that did not attend Tulsa Tech.
 - Adult learners matriculating from Tulsa Tech
 - Including Veterans.



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ADD ASSOCIATE DEGREE TO YOUR PRE-FLIGHT CHECKLIST.

Tulsa Tech A&P Aviation students, you may qualify for a TCC scholarship to complete your associate degree in Applied Technology after you finish at Tech. An associate degree increases your earning and hiring potential and sets you on a path toward a bachelor's degree in aviation management in the future.

Finish just 18 additional credit hours, which are tuition free, and you'll have your degree.

Your career takes off at TCC.

For more information contact
maraeaka.culbreth@tulsacc.edu
918.595.7742



TulsaCC.edu

TCC, the third largest college in the state provides quality education to more than 20,000 students a year. With four convenient campus locations, tons of degree options, and all the resources you need to succeed, TCC can help you position yourself for a great career. We have also partnered with Tulsa Tech to make sure you get credit for the classes you've already taken. TCC. Good things start here.

Educational Partners



TULSA

- ▶ B.S. Aerospace Administration & Operations - Technical Services Management
 - ❖ Complete B.S. degree in four academic semesters (60 student credit hours).
 - ❖ Students are eligible for the “Cowboy Credit” (four academic semesters).
 - Cowboy Credit “tuition waiver” = \$500/semester.



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TULSA

- ▶ \$36,000 to match the Cowboy Credit tuition waiver.
 - \$500 (Cowboy Credit) + \$500 (FAA funds) = \$1,000/semester to the TCC transfer student.
 - Available to OSU-Tulsa Aviation Management students for up to four semesters (maximum of \$4,000 per student)



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Wrap-Around Support Initiatives

- ▶ Aerospace Career Exploration (ACE) Maintenance Academy
 - Tulsa, Oklahoma (July 2022)



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Wrap-Around Support Initiatives



- ▶ Aircraft maintenance training scholarships
 - ❑ 8 scholarships - \$5,000 each
- ▶ Maintenance content - *Aviation for Girls* magazine and Smartphone app



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Recommendations

- ▶ Establish clear objectives.
- ▶ There is no “one size fits all” approach.
 - ❑ Each “workforce pipeline” will be unique depending upon the resources and needs within the region where the pipeline is constructed.
- ▶ Use the resources that are already available within your region.
 - ❑ This will allow you to respond quickly to workforce needs.

