

PELLISSIPPI STATE COMMUNITY COLLEGE

2024 Governor's Investment in Technical Education (GIVE 3.0)

Aviation Maintenance Technology College to Career Collaborative (ATMC³)

Lead Entity and Fiscal Agent: Pellissippi State Community College IN PARTNERSHIP WITH:

1. Workforce/Economic Development Agencies: Blount Partnership, Knoxville Chamber
2. LEA/School District Name: Alcoa City Schools, Blount County Schools, Maryville Schools
3. Employer Partners: Cirrus Aircraft, CommuteAir LLC, Endeavor Air, JetRight,
Longwell Aviation, Standard Aero

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PROJECT SUMMARY/ABSTRACT

Pellissippi State Community College, as lead entity and fiscal agent will lead the efforts of the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to address barriers to meeting the aviation maintenance workforce needs of the region: 1) access to FAA-certified training; 2) insufficient aviation maintenance related work-based learning opportunities; 3) lack of structured preparation for FAA certification exams and related industry-recognized credentials. The GIVE 3.0 AMTC³ project expands the college's capacity to meet local workforce needs as documented by the project's employer partners and supported by state and local/regional data. AMTC³ will focus on three goals for aviation maintenance education and training: 1) increasing interest and preparedness for in-demand aviation maintenance occupations; 2) increasing access to and completion of training that leads to in-demand FAA Airframe and Powerplant certification; and 3) increasing access to and participation in aviation maintenance work-based learning (WBL) experiences, including the development of and participation in early postsecondary opportunities (EPSOs). These goals will be accomplished through development and implementation of three methods/strategies and related activities that will build a secondary to postsecondary pathway into the aviation maintenance industry: 1) development of a new aviation maintenance technology A.A.S. degree training program and a continuum of related work-based learning activities; 2) development of early postsecondary opportunities (EPSOs), including stackable industry-recognized credentials (PMI, OSHA-30) and dual credit/dual enrollment opportunities (Gen Ed and Aviation Fundamentals); and 3) preparation and support for FAA aviation maintenance certification.

Section 1. Demonstration of Need

The state of Tennessee is home to 77 airports (6 commercial and 71 general aviation) and 150 heliports,¹ generating substantial workforce needs for a variety of aviation-related occupations across the state. Many of these jobs, including aircraft and aviation mechanic/service technician require the FAA Airframe and Powerplant (A&P) certification. The aircraft mechanic/service technician role is considered a bright outlook occupation both statewide and nationally with stable long-term growth expected as the airline industry continues its strong rebound from years of pandemic-restricted air travel. As American airline travel is predicted to reach pre-pandemic growth rates by 2025 and surpass those rates soon after², the demand for aviation maintenance workers will continue to grow as well. See **Table 1** for state and national projections.

Table 1: Positions and projected openings in Tennessee³ and North America⁴				
Occupation	Median Annual Salary	Annual Openings 2020-2030	Annual Transfers & Exits	Maintenance Technicians Needed in North America 2023-2042
Aircraft Mechanic and Service Technician  BRIGHT OUTLOOK NATIONALLY  BRIGHT OUTLOOK STATEWIDE	\$78,712	114	107	125,000

Demand across the state is considered by multiple sources, including AMTC³ employer partners, to be higher than what is reflected in the state’s governmental sources, including the latest Jobs4TN Occupational Outlook reports. In fact, current monthly job postings are outpacing the 10-yr annual Jobs4TN projections, with 249 aircraft mechanic/service technician positions posted across the state in March and April of 2024.⁵

¹ Tennessee Department of Economic & Community Development, Location and Infrastructure 2024. <https://tnced.com/advantages/location-infrastructure/>.

² Airports Council International World Airport Traffic Forecasts (WATF) 2023-2052. <https://aci.aero/2024/02/13/>.

³ Jobs4TN Occupation Profile for Aircraft Mechanics and Service Technicians - Tennessee. <https://jobs4tnwfs.tn.gov/vosnet/lmi/profiles/>

⁴ Deener, Sarah, *Demand for Pilots Rebounds in New Boeing Forecast—Mechanics, Crew, Other Professionals Also Needed*, AOPA. July 26, 2023.

⁵ Jobs4TN’s online advertised jobs reports for March 2024 and April 2024. [Jobs4TN Online Advertised Jobs Summary](#)

Localized data demonstrating the need for action

East Tennessee has seen a surge of aviation-related business and industry expansion and economic development interest in the region over the past five to seven years. According to the Blount Partnership, Blount County has become a hub for aviation careers, due in part to its proximity to McGhee Tyson Airport, but also because the county is home to businesses like Cirrus, Endeavor Air, Standard Aero, and others, and to a National Guard Air Base (134th Air Refueling Wing), all in need of A&P certified inspectors, mechanics, and technicians. Aviation has quickly evolved into an economic development focus for the Blount Partnership, as well as the Tennessee Valley Authority, Knox County government, and other economic development entities in the region.⁶ The Aviation Maintenance Technology College to Career Collaborative (AMTC³) is a comprehensive, collective, and direct response to the growing need in East Tennessee for A&P certified technicians.

In 2018, the Blount Partnership and more than a dozen regional partners, including Pellissippi State Community College, formed the Aviation Collaborative and began planning for the development of a local Aviation Academy to meet the growing need for aviation maintenance workers in the area. In the time since then, in spite of setbacks including the Coronavirus pandemic and resulting shifts in the industry locally, statewide, and nationally, much progress has been made, and a Blount County Aviation Academy is closer than ever to becoming a reality. Over the past 6-8 months, the Aviation Maintenance Technology College to Career Collaborative⁷ (AMTC³) has become a driving force behind the effort, and with GIVE 3.0 funding support, the Collaborative will be able to bring a comprehensive aviation maintenance

⁶ Jessica Belitz, Director of Workforce Development Blount Partnership – emails and presentations

⁷ AMTC³ members include: Pellissippi State, Blount Partnership, Knoxville Chamber, Alcoa City Schools, Blount County Schools, Maryville Schools, Cirrus, Endeavor Air, Jetright, StandardAero

education and training initiative, including the Aviation Academy, to full fruition. With the success of this effort, the Collaborative will be able to: meet the workforce needs of local/regional employers; retain and recruit to the region more aviation companies; retain young talent in the region; and provide high paying job opportunities for residents. The salary range for AMTs working for Aviation Collaborative company partners is \$63,000-\$115,000+ annually, with median salary reported as \$83,000⁸--well above the living wage for a single adult in East TN--\$43,368 and higher than the living wage for a family of four--\$78,520.⁹

In line with state and national data, AMTC³ employer partners anticipate consistent growth of the industry across the region and a critical need to fill aviation maintenance openings over the next several years. Collectively, the AMTC³ employer partners predict up to 210 or an average of 42 per year, local aviation maintenance technician openings between 2024 and 2029 due to anticipated growth, potential expansion of facility services, and projected retirement exits.¹⁰ These employer partners are fully invested in the development of the Aviation Academy and Pellissippi State’s Aviation Maintenance Technology A.A.S. degree program in order to ensure a well-trained and qualified FAA-certified pool of applicants to fill their workforce needs. **Table 2** provides a snapshot of the anticipated local aviation maintenance openings as projected by AMTC³ employer partners.

Table 2. Local/Regional Partners - Projected numbers of aviation maintenance technician openings 2024-2029		
Employer Partner	Projected Openings (2024-2029)	Average Annual Salary
Cirrus	86	\$65,500
Endeavor Air	12	\$71,500
Jetright	3	\$69,900
StandardAero	75	\$74,916
CommuteAir, LLC	13	\$70,720
Longwell Aviation	21	\$76,688
Employer Partner Totals & Avg. Annual Salary	210 /42 per year	\$71,537

⁸ As reported to Blount Partnership in March 2024 by Blount County Aviation Collaborative company partners.

⁹ Living Wage Calculation for Knox County, Tennessee. <https://livingwage.mit.edu/counties/47093>, retrieved 4/21/2024.

¹⁰ Projected occupational data as provided via AMTC³ Employer Partner MOUs and/or meeting notes & email communications.

Table 3/3a depicts the projected annual openings for aviation maintenance positions across the Knoxville MSA and East TN regions as reported by Lightcast¹¹ and Jobs4TN.

Table 3: Local, Regional Aviation Maintenance Future Forecasts from Lightcast¹²						
Occupation	Location	Median Annual Earnings (2024)	2024 Jobs	2034 Jobs	% Change	Average Annual Openings through 2034
Aircraft Mechanics & Service Technicians	Knox, MSA ¹³	\$60,390	294	337	15%	28
Aircraft Mechanics & Service Technicians	East TN Region ¹⁴	\$61,128	354	406	15%	31
Table 3a: Local, Regional Aviation Maintenance Future Forecasts (2020-2030) from Jobs4TN¹⁵						
Occupation	Location	Median Annual Earnings	Current Employment	Estimated Employment	Annual Transfers/ Exits	Annual Openings
Aircraft Mechanics & Service Technicians	East TN Region - 16 counties	\$56,831	232	274	20	24

Clear linkages between grant activities and local/regional needs

Pellissippi State’s Aviation Maintenance Technology A.A.S. degree program, WBL continuum development, and industry-recognized certification preparation strategies will build the educational and experiential foundations needed for students to complete degree requirements and pass the FAA written, oral, and practical exams for a Mechanic’s Certificate with Airframe and Powerplant ratings, preparing students for aviation maintenance positions and meeting the future workforce needs of the growing East Tennessee aviation maintenance industry. With a planned program capacity of 25-30 students per cohort, the Pellissippi State AMT program will play a crucial role in filling the region’s anticipated aviation maintenance workforce needs. In

¹¹ Lightcast utilizes unsuppressed and regionalized data beyond what is publicly available. Lightcast occupation employment numbers primarily come from QCEW which is run through the National Industry Occupational Employment Matrix (NIOEM).
¹² Data Source: Lightcast [lightcast.io/analyst], 2024. Accessed [March 8, 2024 and April 18-25, 2024].
¹³ The Knoxville MSA: Anderson, Blount, Campbell, Grainger, Knox, Loudon, Morgan, Roane, and Union
¹⁴ The East TN region: Anderson, Blount, Campbell, Claiborne, Cocke, Grainger, Hamblen, Jefferson, Knox, Loudon, Monroe, Morgan, Roane, Scott, Sevier, and Union
¹⁵ Jobs4TN, TN Dept of Labor & Workforce Dev, Div Emp Sec, LMI

the state of Tennessee today, there are 90 online aviation maintenance job postings requiring the A&P certification, and only 15 qualified candidates in the system (.17 to 1 ratio)¹⁶.

Section 2. Program Plan

Summary of proposed program

Pellissippi State Community College, as lead entity and fiscal agent of the Aviation Maintenance Technology College to Career Collaborative (AMTC³), will facilitate advancement of the employer-driven aviation maintenance career pathway in the Blount/Knox County and East Tennessee regions through development and implementation of: **1)** an FAA-approved academic training program at Pellissippi State--the A.A.S. degree in Aviation Maintenance Technology—Airframe & Powerplant concentrations; **2)** structured aviation-related work-based learning (WBL) experiences for secondary and post-secondary students; and **3)** FAA Airframe and Powerplant (A&P) certification exam preparation. The grant activities described below and in the AMTC³ project timeline align closely with the needs presented through workforce data for Blount County, Knoxville MSA, and the East Tennessee region. In order to meet the local/regional need for certified aviation mechanics, an FAA-certified training program is needed in the East Tennessee region. Pellissippi State, with campuses in both Blount and Knox counties is the ideal location for a training program to meet the needs of the region's aviation maintenance industry. The proposed grant activities will effectively build a secondary to postsecondary pathway into the aviation maintenance industry through: 1) development of a new aviation maintenance technology A.A.S. degree training program and a continuum of related work-based learning activities; 2) development of early postsecondary opportunities (EPSOs), including stackable industry-recognized credentials (PMI, OSHA-30) and dual credit/dual enrollment

¹⁶ Jobs4TN Occupation Profile Supply and Demand Report, April 29, 2024. <https://jobs4tnwfs.tn.gov>.

opportunities (Gen Ed and Aviation Fundamentals¹⁷); and 3) preparation and support for FAA aviation maintenance certification. These pathway opportunities align with local/regional workforce needs through the prioritization of early awareness and preparation for secondary students, building a sustainable pipeline of aviation maintenance workers for the local/regional industry. Additionally, the AMTC³ EPSO plan takes into consideration skills and competencies important to employer partners that are outside the required AMT training curriculum, such as Precision Measurement Instrument (PMI) and OSHA-30 certifications, which have been recommended by AMTC³ employer partners as relevant and important stackable credentials to accompany the FAA Aviation Mechanic A&P certificate.

Project timeline and overview

Methods and strategies for project development and implementation are summarized below and a detailed project timeline is included as **Appendix A-AMTC³ 48-Month Project Timeline**.

Method/Strategy 1: Acquire equipment and other resources to develop and offer an Aviation Maintenance Technology A.A.S. degree program with Airframe and Powerplant (A&P) concentrations. ***Implementation Activities:*** 1) contract with an aviation maintenance consultant to assist with program development and FAA approval processes; 2) establish Aviation Maintenance Technology Advisory Board; 3) hire aviation maintenance program coordinator/lead instructor, 2nd instructor, and lab technician; 4) purchase/acquire all required program equipment, tooling supplies, instructional materials/textbooks, software solutions, student uniforms, and consumable supplies; 5) develop program courses according to FAA requirements and guidelines--four fundamentals, eight airframe fundamentals, and eight powerplant courses; 6) finalize details of program training space (Aviation Academy) via MOU with Blount Partnership--Blount Partnership will maintain lease of

¹⁷ FAA excludes minors from completing some AMT coursework; however, AMTC³ partners will work within the allowable framework to offer some AMT Fundamentals courses as EPSOs and will provide related certification and WBL experiences.

space for five years and provide renovations of facility¹⁸; 7) initiate/complete all internal (Curriculum Development Committee) and external (TBR, SASCO, FAA) program approval processes; 8) develop strategic course scheduling, including general education courses at the Blount County campus and available as dual enrollment opportunities at partnering high schools, as appropriate; 9) incorporate aviation maintenance technology courses into the college’s course schedule beginning fall 2025; 10) work with employer and K-12 partners, Pellissippi State academics, admissions, recruiters, marketing, campus administrators, and career counselors to schedule fall 2025 courses and recruit for the new program; 11) develop and implement a schedule of outreach, recruitment, and advisement activities to be conducted on high school campuses and community events.

Method/Strategy 2: Develop and implement collaborative, meaningful, and structured aviation maintenance work-based learning (WBL) experiences. ***Implementation Activities: 1)*** in partnership with employers and secondary schools, develop and initiate WBL opportunities across the full WBL continuum for middle and high school students and for AMT college students—see table below for representative examples of WBL activities;

Career awareness	Career exploration	Career preparation	Training activities
Career speakers, industry-in-the-classroom, field trips & tours, career fairs/expos, etc.	Career mentoring, informational interviewing, job shadowing, etc.	Career-related student competitions, dual enrollment/credit, industry-driven project-based learning, technical mentoring, etc.	Dual enrollment/credit, cooperative education, internships, school-based enterprise, service-learning, transition activities, etc.

2) develop and implement AMT externship opportunities for high school and college instructors;

3) develop career maps, pathway ladders, and other multi-media aids for program outreach.

Method/Strategy 3: Provide AMT students with preparation and support to earn industry-recognized credentials, including preparation for the FAA written, oral, and practical exams for a

¹⁸ Blount Partnership and Aviation Collaborative partners have identified an appropriate Aviation Academy training space in Blount County and are in the process of finalizing contractual details for assumption of the space, with expected occupancy expected by summer 2024. Space retrofitting and other prep (to be financed and managed by Blount Partnership) is expected to be complete by summer 2025 so that AMT classes can begin in fall 2025.

Mechanic’s Certificate with Airframe and Powerplant ratings. **Implementation Activities: 1)** work with employer partners to identify certifications and credentials, not required, but relevant and valuable to the field and develop opportunities for students to earn those before program enrollment (through high school EPSOs), during program, and following successful completion of the A.A.S. AMT degree; **2)** develop and provide structured student support services to maximize retention and completion and promote readiness for FAA and/or other certification exams; **3)** develop and initiate a series of FAA certification prep sessions and activities to include hands-on practice of skills, sample question drills, practice exams, simulation of testing environment, etc.

Key Objectives

Key objectives for the AMTC³ project are established to guide project development and evaluation and to maintain focus on the outcomes needed to address the identified skills gaps in the local/regional aviation maintenance workforce.

Key AMTC ³ Objectives (Sept 2024-Aug 2028)	Performance Measures/Metrics
<p>Obj. 1: Establish the Aviation Maintenance Technology (AMT) Associate of Applied Science (AAS) degree at Pellissippi State; enroll up to 30 students per cohort by fall 2028</p>	<p>Performance Measures: By spring 2025, Pellissippi State’s Aviation Maintenance Technology AAS degree program approved By fall 2025, 10 students enrolled in AMT cohort 1 By fall 2026, 20 students enrolled in AMT cohort 2 By fall 2027, 25 students enrolled in AMT cohort 3 By fall 2028, 25-30 students enrolled in AMT cohort 4</p>
<p>Obj. 2a: 600 middle school and/or high school students will participate in aviation maintenance career awareness and exploration (CA/CE) WBL activities Obj. 2b: 400 high school students will participate in aviation maintenance career preparation and/or training (CP/CT) WBL activities Obj. 2c: 50 high school students will complete aviation-related EPSOs, including dual enrollment/dual credit and/or industry-recognized certifications Obj. 2d: Develop and then annually increase the number and variety of aviation-related capstone WBL opportunities available to high school and college students</p>	<p>Performance Measures: Y1 – 100 students participate in CA/CE WBL Y2 – 100 students participate in CA/CE; 100 in CP/CT Y3 – 200 students participate in CA/CE; 100 in CP/CT Y4 – 200 students participate in CA/CE; 200 in CP/CT Y2 – 10 students Y3 – 20 students Y4 – 20 students Y1 – Baseline to be determined and annual increase goals to be established Y2 – Y4 – Incremental increases in number and type of AMT capstone WBL opportunities available</p>
<p>Obj. 3: 80%-85% fall-to-fall retention rate for AMT students</p>	<p>Performance Measures: Y2 – 80% of AMT cohort 1 retained to fall 2026 Y3 – 85% of AMT cohort 2 retained to fall 2027 Y4 – 85% of AMT cohort 3 retained to fall 2028</p>

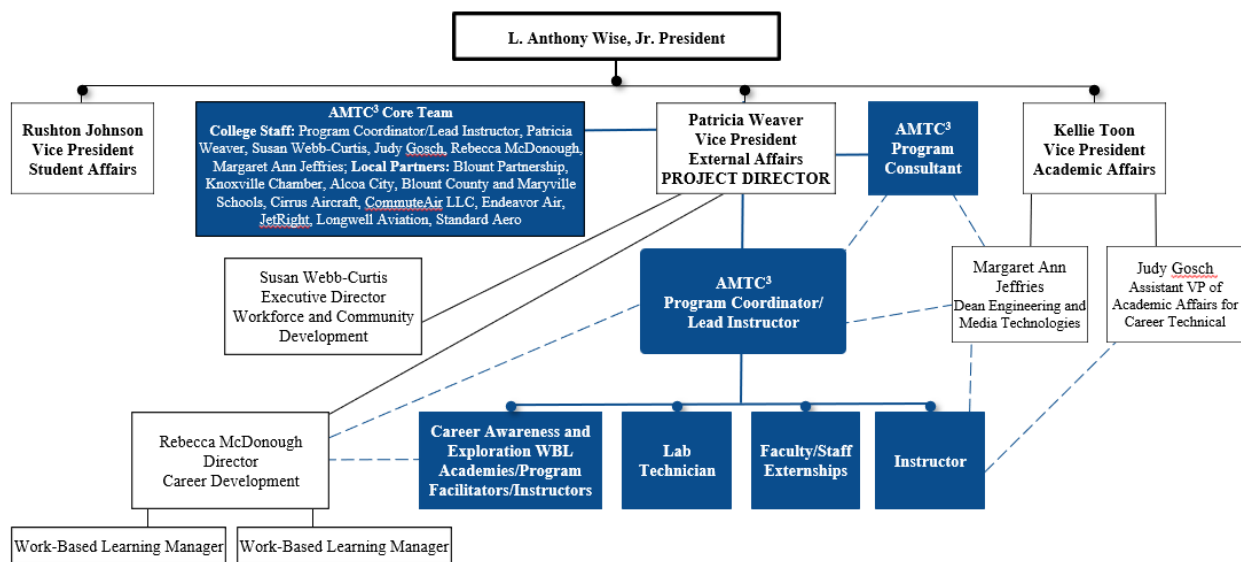
Key AMTC ³ Objectives (Sept 2024-Aug 2028)	Performance Measures/Metrics
Obj. 3a: 70%-75% of AMT students will graduate within two years of initial enrollment	Performance Measures: Y3-70% of AMT cohort 1 will graduate by summer 2027 Y4-75% of AMT cohort 2 will graduate by summer 2028
Obj. 4: 80% - 85% of AMT program completers will successfully pass the FAA A&P certification exams	Performance Measures: Y3 – 80% of AMT cohort 1 will pass FAA certification Y4 – 85% of AMC cohort 2 will pass FAA certification
Obj. 5: 15 instructors (college and/or high school) participate in aviation maintenance externship opportunities	Y1 – N/A Y2 – 5 instructors complete externship experience Y3 – 5 instructors complete externship experience Y4 – 5 instructors complete externship experience

Project governance and accountability plan

Pellissippi State is the lead entity and fiscal agent for the proposed GIVE 3.0 AMTC³ initiative. The college will be responsible for the governance, meeting schedule and facilitation, decision-making structure, purchasing, staff training and management, overall project management, and implementation of project activities. The college’s vice president of external affairs, Dr. Patty Weaver, will serve as the project director with management assistance from the Aviation Maintenance Technology (AMT) program coordinator/lead instructor and AMT program consultant. The AMTC³ core team, under the leadership of the Project Director and Pellissippi State’s executive director of workforce and community development, will serve as an advisory/steering committee, providing project guidance, oversight, direction, and coordination. The AMTC³ core team will hold regular (at least quarterly) meetings for the duration of the project to ensure completion of the project’s activities and objectives. The College’s director of career development, WBL managers, and AMTC³ Project Director will work with college AMT instructors, the dean of engineering technologies, secondary school partners, and employers to facilitate the coordination of the project’s WBL continuum development and implementation.

The AMT program coordinator/lead instructor and AMTC³ Project Director will manage the parameters/criteria and budget information defined in the AMTC³ proposal; the core team will share implementation responsibility for the project’s activities, and the AMTC³ program

coordinator/lead instructor will monitor and report both internally and externally on progress towards meeting objectives. Because the scope of this project includes the development of a new academic program, the dean of engineering technologies will also share in the leadership responsibilities of the project. The dean will work closely with the VP of Career and Technical Education, VP of External Affairs (AMTC³ Project Director), the AMT project consultant and AMT program coordinator/lead instructor to ensure that all internal and external AMT A.A.S. program approval processes are completed with fidelity and that FAA program certification is achieved. The governance and management structure of the project is represented in the organizational graphic below.



Overview and structure of the AMT Work-Based Learning (WBL) program

The AMTC³ program team will implement a WBL system in Blount and Knox Counties that broadens student access to WBL opportunities, deepens learning experiences, and provides a proactive approach to bridging the gaps between high school, postsecondary education, and in-demand careers in the aviation maintenance field. The AMTC³ WBL continuum will begin in 6th-8th grades and continue into high school and through postsecondary enrollment and completion,

offering opportunities to not only explore careers in aviation maintenance, but also to gain practical, hands-on experience and to interact with professionals in the field. Additionally, some WBL opportunities will include the potential for earning college credit via dual enrollment/dual credit and certifications. WBL opportunities will include sequenced and structured career awareness, career exploration, career preparation, and career training experiences that guide and prepare participants for next steps. WBL program development will be facilitated by Pellissippi State’s Career Development WBL Managers in coordination with AMTC³ internal and external core team members. Critical program elements are outlined below.

AMTC³ WBL Program Elements
Coordination of services among HS and college teachers, counselors/advisors, the high school WBL coordinators, and the college’s WBL managers
Partnerships with postsecondary institutions and job training programs to facilitate successful transitions beyond high school – AMTC ³ is an example of this type of comprehensive partnership
Adequate staffing of the work-based learning coordination function
A school schedule that enables quality work-based learning and supervision
Communication materials to inform employers, students, and parents (where applicable) of opportunities
Technology infrastructure to support placements, orientations, and actual WBL experiences
Tools, processes and documentation for quality control and compliance with legal requirements
Community-based advisors (employer and other partners) involved in program and with experience planning and generating opportunities for students
Strong capstone and other work-based learning experiences, including internships, job shadowing, and externships for instructors – MOU commitments are in place from AMTC ³ employer partners to provide tours, field experiences, job shadowing, instructor externships, and internships, where possible
A culture that values and supports WBL across the curriculum for all students
Regionally-aligned pathways with community-shared expectations for WBL experiences and learning outcomes
Evaluative measures that facilitate continuous program improvement

Employer and secondary school collaboration is a key component for the AMTC³ WBL program. Collaboration includes bringing the AMTC³ core team and other partners together on a regular basis to discuss WBL needs and how to best address those needs and successfully prepare students for WBL experiences. The AMTC³ WBL opportunities will span the breadth of the WBL continuum, including aviation maintenance-specific career awareness, exploration, preparation, and training experiences. Some of the AMTC³ career awareness,

exploration, and preparation activities that are planned include employer partners' commitments (see MOUs) for involvement in workplace tours and field trips, informational interviews, career mentoring, job shadowing, summer enrichment academies/camps, career expos, and externships for instructors. At the high school level, the team will work with schools utilizing flight simulators and other STEM-related equipment to highlight careers in aviation and to collaboratively develop relevant EPSOs, including dual enrollment/dual credit and industry-recognized certification opportunities. Internship opportunities will be provided through some employer partners, providing valuable experience for AMT students as they prepare for FAA certification exams. All WBL experiences developed through the AMTC³ initiative will be: developmentally appropriate; include an orientation for all parties; identify learning objectives; explore multiple aspects of an industry; develop workplace readiness competencies; assess student performance; link to the student's next step; be documented and recorded; and comply with state and federal labor laws. AMTC³ project staff (AMT program coordinator/lead instructor), along with the college's WBL managers will be responsible for coordinating the development and implementation of the WBL Program, monitoring the program's progress, and conducting program evaluation.

Section 3. Strength of Partnership

Partner Roles and Capabilities

The AMTC³ program plan incorporates each of the mandatory partners and several other partners engaged in the work to bring an aviation maintenance training program and the related work-based learning (WBL) continuum to the Blount/Knox County region. Many of the partners have been involved in this effort since the original inception of the Blount Partnership-led Aviation Collaborative in 2018 and will continue the work by way of carrying out the tasks

specific to the three methods/strategies summarized in the Program Plan section of this proposal. Detailed descriptions of each partner's role and their capabilities in implementing the identified program are included as **Appendix B-Partner Roles & Capabilities** and in signed MOUs.

Memorandum of Understanding (MOU)

MOUs have been executed that establish the agreements and commitments of the ATMC³ required and other partners; each partner's respective benefits, roles, and responsibilities are included in those MOUs. All fully executed MOUs are included as **Appendix C-MOUs**.

Section 4: Budget Plan

Clear alignment between funding requests and grant activities

All budget requests are closely aligned with the needs and activities outlined in the Program Plan. See **Appendix D-Budget Plan** for complete budget request details, budget narrative and justification, role of proposed equipment and explanation of indirect costs.

Section 5: Sustainability

Plan for sustaining the program beyond the 48-month funding period

The AMTC³ initiative expands on the work started over six years ago under the leadership of Blount Partnership and the Blount County Aviation Collaborative. AMTC³ advances that work and will provide the means by which students can complete FAA-certified training for aviation maintenance airframe and powerplant designations and enter the workforce as A&P certified aviation mechanics/service technicians. The project will achieve its goals through the acquisition of required training equipment and the addition of essential human resources to facilitate the full scope of Aviation Maintenance Technology education and training program development.

The total costs to maintain the positions, equipment, supplies, training space, and other programming after the 48-month grant period is estimated at approximately \$665,000 annually.

With a combination of tuition and fees as the program reaches enrollment capacity (anticipated by Y4), institutional budget commitments beginning in AMTC³ project Y4, and the ongoing commitments and support of Aviation Collaborative partners, including the Blount Partnership, Knoxville Chamber, K-12 school systems, and employer partners like Cirrus, Endeavor Air, StandardAero, JetRight, and others, program sustainability will be achieved.

Sustainability will be a focal point for the AMTC³ core team, and program evaluation will guide and provide a framework for partners to continue with development and implementation of sustainability plans. Prior to program inception, Pellissippi State has planned for the institutionalization of key AMT positions by the end of the grant period, including, the AMT Program Coordinator/Lead Instructor, 1 additional AMT Instructor, and 1 Lab Technician. This commitment includes assumption of 50% of these salaries in Y4 of the AMTC³ project and fully assuming the salaries and related benefit costs at the end of the four-year grant period. Additional institutional commitments include operationalizing the budget needed to assume the lease for the Aviation Academy training space in Blount County (following the end of the five-year Blount Partnership funding commitment) and providing funding support for faculty and staff externships and other professional development and the full spectrum of career awareness and exploration WBL activities. Secondary school partners are committed to continuing the scope of aviation-related WBL activities developed over the course of the AMTC³ grant period and will operationalize costs associated with providing these opportunities for middle and high school students utilizing a braided funding model, including local, federal, and private funding support. Ongoing program tooling and supply costs and equipment maintenance and replacement will be supported through the collection of student fees and the anticipated revenue generated by tuition and through the MOU commitments of employer partners to provide resources in support

of aviation maintenance technology education and training, including donations of any unserviceable parts or tooling (as allowable) and identification of additional resources.

When AMTC³ grant objectives 1 (AMT enrollment), 2c (dual enrollment/credit, certifications), 3 and 3a (AMT program retention/completion) are achieved, the college's Aviation Maintenance Technology Program FTEs will generate state revenue/appropriations that support the sustainability of AMTC³ programming beyond the 48-month grant period. The additional financial and other commitments needed to secure the future of AMTC³ aviation maintenance programming are secured via partner commitments/MOUs.

Section 6: Optional Criteria

Census Tracts in Persistent Poverty

The AMTC³ project will include work with up to seventeen (17) persistent poverty census tracts in Blount and Knox counties. The project will promote increased educational attainment and workforce readiness within these census tracts, including direct work with Alcoa High School in Blount County, serving students residing in and around census tract 102. Alcoa City Schools has introduced some aviation-related career exploration in the middle school and is working with a local flight school to develop an aviation program of study at the high school. Aviation maintenance is a logical fit for further WBL and EPSO development there. Beginning in Y3, AMT-related work with Knox County Schools will begin, including development and implementation of aviation maintenance WBL (career awareness & exploration) and EPSO opportunities for students attending Austin East HS, Fulton HS, South Doyle HS, and West HS in Knox County—within and around 16 persistent poverty census tracts--1, 8, 9, 02, 14, 19, 20, 21, 24, 26, 28, 29, 66, 67, 68, 69, and 70. A Knox and Blount County census tract map is included as **Appendix E-Census Tracts in Persistent Poverty Map**.

APPENDIX A-AMTC³ 48-Month Project Timeline

Project Year/Qtr	Activities	Key Person/Group Responsible
Y1, Q1 Sep-Dec 2024	<ul style="list-style-type: none"> • Convene AMTC³ core team to review and finalize all project plans--team will meet quarterly throughout the duration of the grant. Review grant application, including budget and timeline; make adjustments, as needed. 	All Project Partners
	<ul style="list-style-type: none"> • Contract with Aviation Maintenance Consultant. • Initiate search and hiring processes for Aviation Maintenance Technology Program Coordinator/Lead Instructor. 	Pellissippi State partners
	<ul style="list-style-type: none"> • Complete FAA approval process. 	Pellissippi State External Affairs
	<ul style="list-style-type: none"> • Complete all TBR and THEC approval processes for A.A.S. in Aviation Maintenance Technology (AMT) with Airframe and Power Plant (A&P) Concentrations. • Complete SACSCOC prospectus in order to be able to teach courses at new training facility for AMT program. 	Pellissippi State Academic Affairs with Aviation Maintenance Consultant
	<ul style="list-style-type: none"> • Identify and finalize program equipment list and initiate purchasing processes for program equipment. • Research and identify best software solutions for badging, timesheets, and inventory control. • Develop marketing and recruitment materials for new AMT A.A.S. program. • Develop career pathway maps, ladders, and other visual aids for use in partner schools. • Begin planning with Blount County partner high schools, starting with Alcoa HS—the logistics for AMT-related WBL (career awareness, exploration) and EPSOs, including dual enrollment/credit opportunities. • Work with Pellissippi State marketing and communications department to prepare public information releases; update college website to include new program. 	Aviation Maintenance Consultant and/or Program Coordinator Pellissippi State External Affairs (Marketing & WFD) Aviation Maintenance Consultant or Coordinator w/ Pellissippi State Academic Affairs and CTE Directors of partnering high schools – starting with Patty Thomas, Alcoa HS
Y1, Q2 Jan-Mar 2025	<ul style="list-style-type: none"> • AMTC³ core team quarterly meeting 	All Project Partners
	<ul style="list-style-type: none"> • Complete THEC Quarterly Reports for Y1, Q1. 	Aviation Maintenance Coordinator, External Affairs & Engineering Tech Division to Assist
	<ul style="list-style-type: none"> • Continue acquisition of program equipment. • Identify and purchase necessary consumables. • Order student uniforms. • Purchase recruitment materials. 	Aviation Maintenance Coordinator/Instructor and External Affairs & Engineering Tech Division to Assist
	<ul style="list-style-type: none"> • Development of first year courses (Fundamentals I-IV). • Identify and order textbooks • Continue planning work with Blount County high schools to develop WBL and EPSOs, expanding work started with Alcoa HS in previous quarter to Heritage, William Blount, and Maryville HS 	Aviation Maintenance Program Coordinator/Lead Instructor and Engineering Tech Division High school partners – Alcoa HS, Heritage HS, William Blount HS, and Maryville HS
	<ul style="list-style-type: none"> • Begin promotion and recruitment for fall 2025 program to high schools and community (All TBR approval should be received by this date and the program will appear on the college's application). • Target enrollment number for initial cohort is 10 students. • Continue planning work with high school partners and employer partners to develop WBL continuum activities--such as guest speakers, job shadowing, industry tours, career expos, fall, spring, and summer break enrichment, etc. 	All Project Partners and Pellissippi State Career Development and Student Affairs Departments to Assist High school partners – Blount County Employer partners

APPENDIX A-AMTC³ 48-Month Project Timeline

Project Year/Qtr	Activities	Key Person/Group Responsible
	<ul style="list-style-type: none"> Develop schedule for industry tours (for high school students and current Pellissippi State students). Continue and finalize planning work with school partners to develop initial aviation-related EPSOs, i.e., dual enrollment and dual credit, relevant/valuable certification opportunities, etc. 	<p>High school (Blount) and employer partners</p> <p>Blount County HS partners</p>
Y1, Q3 Apr-Jun 2025	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting 	All Project Partners
	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y1, Q2. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Implement WBL activities - industry tours (high school and current Pellissippi State students) Implement WBL activities - guest speakers in high schools, Pellissippi State classes, and community events. Recruitment for fall 2025 cohort continues. Continue development of first year courses (Fundamentals I-IV). 	<p>External Affairs & Engineering Tech Division to Assist</p> <p>Blount County HS partners, CTE and WBL Directors; Pellissippi State WBL Managers</p> <p>Employer partners</p>
	<ul style="list-style-type: none"> Initiate hiring process for lab technician. 	Aviation Maintenance Program Coordinator/Lead Instructor and Engineering Tech Division
Y1, Q4 Jul-Sep 2025	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. 	All Project Partners
	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y1, Q3. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Design and deliver AMT program Kick-Off meeting with students, faculty and community members and local media. Complete enrollment for first cohort of 10 (minimum). 	<p>All Project Partners</p> <p>Pellissippi State faculty & staff</p>
	<ul style="list-style-type: none"> Prepare and deliver instruction for 1st Cohort Class (Fundamentals). 	Aviation Maintenance Coordinator/Instructor
Y2, Q1 Oct-Dec 2025	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. 	All Project Partners
	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y1, Q4. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> WBL - Implement spring field trip schedules and guest speakers. Recruit students for spring break Aviation Academy enrichment experience. Update program content and videos for website and marketing purposes as first cohort begins and facility is equipped. Develop structure and application process for implementation of instructor externships (Summer). 	<p>Aviation Maintenance Coordinator/Instructor and Engineering Tech Division and External Affairs</p> <p>High school partners</p>
	<ul style="list-style-type: none"> Begin hiring process for 2nd program instructor. Begin development of Airframe Courses (Airframe Fundamentals I-VIII) Identify and order textbooks. 	Aviation Maintenance Coordinator/Instructor and Engineering Tech Division
Y2, Q2 Jan-Mar 2026	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting 	All Project Partners
	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y2, Q1. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Continue to deliver instruction for 1st Cohort Class (Fundamentals) 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> WBL - enroll high school students in spring break Aviation Academy enrichment experiences Finalize development of Airframe Courses (Airframe Fundamentals I-VIII) Attend professional conferences as identified. 	Aviation Maintenance Coordinator/Instructor
Y2, Q3	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. 	All Project Partners

APPENDIX A-AMTC³ 48-Month Project Timeline

Project Year/Qtr	Activities	Key Person/Group Responsible
Apr-Jun 2026	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y2, Q2. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Deliver Airframe Courses for 1st Cohort in Summer 2026 (Airframe Fundamentals I-VIII) Begin development of Power Plant Courses (Power Plant Fundamentals I-VIII) Identify and order textbooks. 	Aviation Maintenance Instructors
	<ul style="list-style-type: none"> Enroll students in summer Aviation Academy enrichment experience. Select Educator Internship Candidates for Summer 2026 Cohort Industry tours (high school and current Pellissippi State students) Recruitment for fall 2026 cohort continues. Enroll high school students in fall 2026 aviation-related EPSOs 	All Project Partners Alcoa and other Blount HSs
	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. Complete THEC Quarterly Reports for Y2, Q3. 	All Project Partners Aviation Maintenance Coordinator/Instructor
Y2, Q4 Jul-Sep 2026	<ul style="list-style-type: none"> Implementation of fall field trip schedules and guest speakers. Design and deliver Second Year Kick-Off meeting with students, faculty and community members and local media. Complete enrollment for second cohort of 20 (minimum) Enroll students in fall break Aviation Academy enrichment experience 	All Project Partners
	<ul style="list-style-type: none"> Deliver Fundamentals for 2nd Cohort and Airframe Fundamentals for 1st Cohort in Fall 2026. Continue development of Power Plant Courses (Power Plant Fundamentals I-VIII) 	Aviation Maintenance Instructors
	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. Complete THEC Quarterly Reports for Y2, Q4. 	All Project Partners Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Continue outreach, recruitment, and advisement activities for Y2. Finalize development of Power Plant Courses (Power Plant Fundamentals I-VIII). 	Aviation Maintenance Instructors
Y3, Q1 Oct-Dec 2026	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. Complete THEC Quarterly Reports for Y2, Q4. 	All Project Partners Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Continue outreach, recruitment, and advisement activities. Finalize MOU with Knox County Schools Work with AMTC³ employers and Knox County Schools (KCS) partners to expand/develop aviation maintenance-related WBL continuum activities into KCS, starting with Austin East, Fulton, South Doyle, and West. Recruit instructors for summer externships—Blount and Knox. Enroll students in spring break Aviation Academy enrichment experience. 	Aviation Maintenance Instructors (with assistance from Project partners) Blount County CTE Directors and Instructors, Pellissippi State WBL Managers, AMTC ³ staff, KCS CTE directors
	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. Complete THEC Quarterly Reports for Y3, Q1. 	All Project Partners Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Deliver Power Plant Courses for 1st Cohort in Spring 2027 (Power Plant Fundamentals I-VIII) Deliver Fundamentals for 2nd Cohort in Spring 2027. Attend professional conferences as identified. 	Aviation Maintenance Instructors
Y3, Q2 Jan-Mar 2027	<ul style="list-style-type: none"> Continue outreach, recruitment, and advisement activities. Finalize MOU with Knox County Schools Work with AMTC³ employers and Knox County Schools (KCS) partners to expand/develop aviation maintenance-related WBL continuum activities into KCS, starting with Austin East, Fulton, South Doyle, and West. Recruit instructors for summer externships—Blount and Knox. Enroll students in spring break Aviation Academy enrichment experience. 	Aviation Maintenance Instructors (with assistance from Project partners) Blount County CTE Directors and Instructors, Pellissippi State WBL Managers, AMTC ³ staff, KCS CTE directors
Y3, Q3	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. 	All Project Partners

APPENDIX A-AMTC³ 48-Month Project Timeline

Project Year/Qtr	Activities	Key Person/Group Responsible
Apr-Jun 2027	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y3, Q2. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Deliver Airframe Fundamentals for 2nd Cohort and Power Plant Fundamentals for 1st cohort in Summer 2027. 	Aviation Maintenance Instructors
	<ul style="list-style-type: none"> Begin discussion and development for sustainability plan based on first and second-year results. Enroll students in summer Aviation Academy enrichment experience. Select instructors for summer externships. Industry tours (high school and current Pellissippi State students) Guest speakers in high schools, Pellissippi State classes, and community events. Continue planning work with Knox County Schools (KCS) partners to expand/develop aviation maintenance-related WBL continuum activities into KCS, starting with Austin East, Fulton, South Doyle, and West. Recruitment for fall 2027 cohort continues. 	Aviation Maintenance Instructors (with assistance from Project partners) Pellissippi State WBL Managers, AMTC ³ staff, KCS CTE directors
Y3, Q4 Jul-Sep 2027	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting Develop and initiate a series of FAA certification prep sessions and activities to include hands-on practice of skills, sample question drills, practice exams, simulation of testing environment, etc. 	All Project Partners Aviation Maintenance Coordinator/Instructor, Lab Tech Employer Partners
	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y3, Q3. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Complete enrollment for third cohort of 25. Deliver Fundamentals for 3rd Cohort and Airframe Fundamentals for 2nd Cohort in Fall 2027. Celebrate Graduation of 1st Cohort with media coverage. Schedule FAA Certification Exam (Written & Practical). Objective: 80% passage. Enroll high school students in fall break Aviation Academy enrichment experience. Implementation of fall field trip schedules and guest speakers. Continue and finalize planning work with KCS school partners to develop initial aviation-related EPSOs, i.e., dual enrollment and dual credit, relevant/valuable certification opportunities, etc. – develop and implement schedule of events for KCS HSs 	Aviation Maintenance Instructors (with assistance from Project Partners) Pellissippi State WBL Managers, AMTC ³ staff, KCS CTE directors
Y4, Q1 Oct-Dec 2027	<ul style="list-style-type: none"> AMTC³ core team quarterly meeting. 	All Project Partners
	<ul style="list-style-type: none"> Complete THEC Quarterly Reports for Y3, Q4. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> Identify members of AMTC³ core team who will continue on to serve as members on Pellissippi State’s Aviation Maintenance Advisory Board (standing external advisory group for academic programs). Continue expansion of WBL activities and EPSOs into Knox County Schools, including career awareness and exploration activities such as guest speakers, job shadowing, industry tours, and career expos. Finalize sustainability plan and present to administration teams for strategic implementation. 	All Project Partners Aviation Maintenance Coordinator/Instructor, Lab Tech KCS CTE Directors Employer Partners
	<ul style="list-style-type: none"> Begin FAA-certification prep sessions 	All Project Partners AMT Instructors/Lab Tech

APPENDIX A-AMTC³ 48-Month Project Timeline

Project Year/Qtr	Activities	Key Person/Group Responsible
Y4, Q2 Jan-Mar 2028	<ul style="list-style-type: none"> • AMTC³ core team quarterly meeting. 	All Project Partners
	<ul style="list-style-type: none"> • Complete THEC Quarterly Reports for Y4, Q1. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> • Deliver Fundamentals for 3rd Cohort and Power Plant Fundamentals for 2nd Cohort in Spring 2028. • Attend professional conferences as identified. 	Aviation Maintenance Instructors
	<ul style="list-style-type: none"> • Continue outreach, recruitment, and advisement activities. • Recruit instructors for summer externships. • Enroll students in spring break Aviation Academy enrichment experience • Continue FAA-certification prep sessions 	Aviation Maintenance Instructors (with assistance from Project partners) Aviation Maintenance Coordinator/Instructor, Lab Tech
Y4, Q3 Apr-Jun 2028	<ul style="list-style-type: none"> • Convene new Pellissippi State Aviation Maintenance Advisory Board meeting transitioning from AMTC³ core team. 	Aviation Maintenance Coordinator in conjunction with Engineering Technology Division
	<ul style="list-style-type: none"> • Complete THEC Quarterly Reports for Y4, Q2. 	Aviation Maintenance Coordinator/Instructor
	<ul style="list-style-type: none"> • Deliver Airframe Fundamentals for 3rd Cohort and Power Plant Fundamentals for 2nd Cohort in Summer 2028. • Enroll students in summer Aviation Academy enrichment experience. • Select instructors for summer externships. • Industry tours (high school and current Pellissippi State students) • Guest speakers in high schools, Pellissippi State classes, and community events. • Continue FAA-certification prep sessions 	Aviation Maintenance Instructors (with assistance from Project partners) Aviation Maintenance Coordinator/Instructor, Lab Tech
Y4, Q4 Jul-Sep 2028	<ul style="list-style-type: none"> • Celebrate Graduation of 2nd Cohort with media coverage. • Schedule FAA Certification Exam (Written & Practical). Objective: 85% passing. • Admission of 4th cohort class of 25. • Deliver Fundamentals for 4th Cohort and Airframe Fundamentals for 3rd Cohort in Summer 2028. • Ending/Transitioning of Project. • Complete THEC Quarterly Reports for Y4, Q3 and Q4 final grant reports and closeout. 	All Project Partners with Aviation Maintenance Coordinator/Instructor

APPENDIX B-PARTNER ROLES & CAPABILITIES

Required and Other Partners	Description of assigned tasks for each of the mandatory partners	Identify specific personnel
Lead Entity and Fiscal Agent		
<p>Pellissippi State Community College</p> <p>Strengths and Qualifications: The College manages 30+ grant projects with over \$25M in grant funding, including two active GIVE 2.0 grants which have resulted in increased enrollment and graduation rates in targeted programs. College faculty, staff, and administrators maintain strong relationships with business and industry, community organizations, K-12 school systems, and other higher education institutions in the region and across the country. Pellissippi State has been an active partner on the Blount County Aviation Collaborative and has been working closely with those partners to plan and design the aviation maintenance technology program to meet the needs of the local/regional aviation maintenance employers.</p>	<p>Provide leadership for the planning and implementation of the GIVE 3.0 AMTC³ Grant Collaborative; Hire project staff; Provide leadership for the development of the AMTC³ core team and conduct/facilitate regular meetings; Complete all requirements to implement the aviation maintenance technology AAS degree program; With partners, plan and organize a continuum of aviation maintenance WBL experiences; Work with partners to prepare students with academic and other workplace readiness skills; Work with partners to develop and conduct outreach services and recruit students to aviation maintenance education and career pathways; Work with partners to align and map education/training program curriculum and credentialing requirements to industry standards and needs and to enhance/expand aviation maintenance career pathways; Deliver training via the AMT AAS program; Provide a framework by which AMTC³ grant project initiatives will be evaluated and sustained.</p>	<p>Patty Weaver, VP External Affairs and AMTC³ Project Director</p> <p>Susan Webb-Curtis, Executive Director Workforce Development</p> <p>Judy Gosch, VP CTE Programs</p> <p>Margaret Ann Jeffries, Dean Engineering Technologies</p>

Required and Other Partners	Description of assigned tasks for each of the mandatory partners	Identify specific personnel
K-12 local administrator representing secondary CTE programs of study and WBL interests		
<p>Alcoa City Schools, Blount County Schools, and Maryville Schools</p> <p>Strengths and Qualifications: The high schools combined graduated 1,313 students in 2022-2023. Each school system has experience with development of EPSOs and development and implementation of a variety of work-based learning experiences; all school partners have worked with Pellissippi State on the successful implementation of previous GIVE grant initiatives.</p>	<p>Alcoa City Schools, Blount County Schools and Maryville Schools agree to collaborate in the following ways:</p> <ol style="list-style-type: none"> 1. Provide representative/s to serve and actively participate on AMTC³ core team 2. Work with Pellissippi State to develop and implement aviation maintenance technology-related Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for postsecondary aviation maintenance technology career education and training. 3. Work with AMTC³ partners to plan and organize aviation maintenance technology-related WBL experiences, including career awareness, career exploration, career preparation, and/or career training WBL activities. 4. Assist with the development and implementation of the GIVE grant Work-Based Learning continuum in areas of: career awareness, career exploration, career preparation, & career training (see MOUs for details). 	<p>Alcoa City Schools: Patty Thomas, Director of CTE</p> <p>Blount County Schools: Alisa Teffeteller, Supervisor, CTE Programs</p>

APPENDIX B-PARTNER ROLES & CAPABILITIES

Required and Other Partners	Description of assigned tasks for each of the mandatory partners	Identify specific personnel
<i>K-12 local administrator representing secondary CTE programs of study and WBL interests</i>		
<p>Alcoa High School is the only high school in the Alcoa City Schools system and serves students residing in and around census tract 102, a persistent poverty area. Alcoa City Schools has introduced some aviation-related career exploration in their middle school and is working with a local flight school to develop an aviation program of study at the high school.</p> <p>Blount County Schools has two high schools, Heritage and William Blount and eight Tennessee Pathways Certifications, including three STEM-related pathways.</p> <p>Maryville High School has eleven certified Tennessee Pathways and is the only high school in the Maryville Schools system.</p>	<ol style="list-style-type: none"> 5. Promote to students the AMTC³ aviation-related WBL learning activities organized by Pellissippi State and AMTC³ 6. Share student data with lead entity to be used for project evaluation. 7. Work with AMTC³ partners to develop and conduct outreach activities and recruit students into Pellissippi State’s aviation maintenance technology-related education/training program/s 8. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components 	<p>Maryville Schools: Melissa Stowers, College & Career Coordinator</p>

Required and Other Partners	Description of assigned tasks for each of the mandatory partners	Identify specific personnel
<i>Local Workforce or Economic Development Agency partners</i>		
<p>Blount Partnership</p> <p>Strengths and Qualifications: The Blount Partnership is a cooperative effort between four of Blount county’s development organizations, with 1,320 members. The Partnership works with local school systems, higher education, and industry leaders to identify and meet workforce needs. Blount Partnership has been a key player in leading the Aviation Collaborative and facilitating the development of comprehensive aviation-focused training in the region and securing funding to support the development of an Aviation Academy space.</p>	<p>Blount Partnership agrees to collaborate in the following ways:</p> <ol style="list-style-type: none"> 1. Provide representative/s to serve and actively participate on AMTC³ team 2. Assist with the development and promotion of the GIVE 3.0 aviation maintenance technology Work-Based Learning activities 3. Work with Pellissippi State and local K-12 systems to create EPSOs (dual credit / dual enrollment) for the Aviation Maintenance Technology program 4. Work with Pellissippi State to identify appropriate aviation maintenance technology program training space and finalize/execute agreements/MOUs regarding funding, renovations and management of the identified space; provide financing (lease) and management of training space for first five years; manage/coordinate/finance space retrofitting/renovation 5. Facilitate continued partnership development with business/industry representatives and employer partners, including assisting with identifying and securing partners with the capacity to assist with tooling, curriculum development and acquisition of equipment and supplies 	<p>Jessica Belitz, Blount Partnership - Director of Workforce Development</p>

APPENDIX B-PARTNER ROLES & CAPABILITIES

<p>Knoxville Chamber</p> <p>Strengths and Qualifications: The Knoxville Chamber has more than 1,900 member businesses and serves as the collective, influential voice for the regional business community. The Chamber is an active partner with Knox County Schools and aviation business and industry leaders.</p> <p><i>The Knoxville Chamber</i> will collaborate in all the same ways as listed for Blount Partnership, with the exception of #4 as involves financial commitments to the development and maintenance of the training space.</p>	<ol style="list-style-type: none"> 6. Assist in development of outreach materials and promotion of aviation maintenance technology-related career pathways; market the Pellissippi State Aviation Maintenance Technology program across the region 7. Assist in identifying mentors, guest speakers, and other resources for career awareness, exploration, preparation, and training activities 8. Assist in the development of projects supporting professional development and/or externships for high school teachers and college instructors and other staff; assist with the development of learning activities for use in aviation maintenance technology education/career training programs 9. Assist in the identification of in-demand industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion 10. Share aviation maintenance industry labor market and other relevant data with lead entity (Pellissippi State) 11. Assist in advertising for and identifying possible staff and instructors for the AMT program 12. Work with Pellissippi State and AMTC3 partners to plan, finalize, and execute GIVE 3.0 AMTC3 project evaluation and to determine sustainability strategies for successful project components 	<p>Lauren Longmire, Knoxville Chamber Director of Regional Enhancement</p>
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Required and Other Partners	Description of assigned tasks for each of the mandatory partners	Identify specific personnel
Required Partners- Two Area Employers representing industry sectors with a demonstrated shortage of workers		
<p>Cirrus is the global leader in personal aviation with five aircraft campuses and over 800 training centers across the United States. The Alcoa Tennessee Campus is a Maintenance and Flight Training Center offering full-service maintenance and flight training services.</p> <p>Endeavor Air, a wholly-owned subsidiary of Delta Air Lines, is the world’s largest operator of CRJ-900 aircraft. The Alcoa Tennessee Base is one of 11 across the US, serving 124 regional jets.</p> <p>StandardAero is one of the world’s largest ind. gas turbine engine and accessories maintenance, repair and overhaul facilities. Maryville, Tn location offers services to airlines, fleets, military and helicopters.</p>	<p>Cirrus, Endeavor Air, JetRight, StandardAero, CommuteAir, and Longwell Aviation agree to collaborate with Pellissippi State and AMTC³ partners in the following ways:</p> <ol style="list-style-type: none"> 1. Provide representative/s to serve and actively participate on AMTC³ core team 2. Assist in the identification of in-demand aviation maintenance technology IRCs or other credentials used for hiring and promotion in industry 3. Provide resources to support aviation maintenance technology education and training 4. Share data with Pellissippi State for project evaluation 5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including: field trips/facility tours for students, classroom presentations, career awareness/exploration workshops/events, career preparation/training workshops/events, job shadowing, etc. 6. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components 7. Provide employment opportunities to credentialed graduates from the proposed aviation maintenance technology program 	<p>Stephen Deucker, VP & General Manager, Cirrus Vision Center, Alcoa, TN</p> <p>James McKinley, Manager of Maintenance, EndeavorAir, Alcoa, TN</p> <p>Adam Harris, Human Resources, StandardAero Maryville, TN</p>

APPENDIX B-PARTNER ROLES & CAPABILITIES

<p>JetRight is a Nashville-based FAA Certified Avionics Repair Center that manages aviation maintenance services for commercial airline or private aircraft.</p> <p>CommuteAir, LLC is a regional airline supporting the global United Airlines network. The Alcoa Tennessee Hub is one of 3 across the US and Canada.</p> <p>Longwell Aviation is a mobile aircraft maintenance company offering 24/hr services in Nashville and Memphis Tennessee</p>	<p>Cirrus and StandardAero will also work with Pellissippi State to develop and implement aviation maintenance technology-related capstone WBL experiences, including internships.</p> <p>JetRight will also provide resources including donations of any unserviceable parts or tooling (after quarantine procedures).</p> <p>Longwell Aviation will also provide opportunities for AMT students to participate in Aircraft on Ground (AOG) vehicle tours as WBL experiences in addition to field trips/facility tours, classroom presentations, career awareness/ exploration workshops/events, career preparation/ training workshops/events, & job shadowing.</p>	<p>Byron Marcum, Director of Maintenance, JetRight, Nashville, TN</p> <p>Lon Ziegler, VP Maint. & Technical Services, CommuteAir</p> <p>Joshua Long, Co-Founder, Longwell Aviation</p>
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**Memorandum of Understanding
Between Pellissippi State Community College and
Alcoa City Schools**

Whereas, ALCOA CITY SCHOOLS and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, ALCOA CITY SCHOOLS is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: 1) acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and 2) develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

ALCOA CITY SCHOOLS agrees to collaborate in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Work with Pellissippi State to develop and implement aviation maintenance technology-related Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for postsecondary aviation maintenance technology career education and training.

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Alcoa City Schools

3. Work with AMTC³ partners to plan and organize aviation maintenance technology-related WBL experiences, including career awareness, career exploration, career preparation, and/or career training WBL activities and assist with the development and implementation of the GIVE grant Work-Based Learning continuum in areas of:
 - a. Career awareness: i.e., develop projects/activities that favorably depict career options in aviation maintenance and related fields; provide speakers and/or instructors for student career awareness activities/experiences
 - b. Career exploration: i.e., develop projects; provide staff; develop curriculum with project-based learning; host site visits and/or guest lectures
 - c. Career preparation: i.e., develop/provide projects supporting professional development and/or externships for teachers; assist with the development of project-based learning activities for use in aviation maintenance technology-related education/career training programs
 - d. Career training: i.e., invest in equipment and supplies, as feasible, and help to coordinate job shadowing and/or other industry-specific WBL opportunities for high school students and externships for instructors
4. Promote to students the AMTC³ aviation-related WBL learning activities organized by Pellissippi State and AMTC³ partners
5. In compliance with FERPA and other privacy and information sharing guidance and regulations, share student data with lead entity to be used for project evaluation. No personally identifiable information (PII) to be shared without explicit consent and approval of individuals and/or parents/legal guardians of students under 18; share student data regarding number of student participants in GIVE 3.0 funded activities to be used for longitudinal project evaluation and dissemination of outcomes; finalize and execute data sharing agreement with lead entity (Pellissippi State)
6. Work with AMTC³ partners to develop and conduct outreach activities and recruit students into Pellissippi State's aviation maintenance technology-related education/training program/s
7. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components

DocuSigned by:

L. Anthony Wise, Jr

4/18/2024

Patty Thomas 4-23-24

L. Anthony Wise, Jr., President
Pellissippi State Community College

Date

Patty Thomas, Director of CTE Education
Alcoa City Schools

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Blount County Schools

Whereas, **BLOUNT COUNTY SCHOOLS** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, **BLOUNT COUNTY SCHOOLS** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

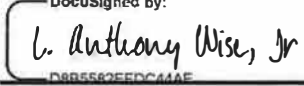
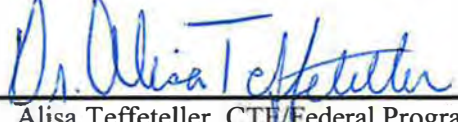
Blount County Schools agrees to collaborate in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Work with Pellissippi State to develop and implement aviation maintenance technology-related Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for postsecondary aviation maintenance technology career education and training.

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding
Between Pellissippi State Community College and
Blount County Schools

3. Work with AMTC³ partners to plan and organize aviation maintenance technology-related WBL experiences, including career awareness, career exploration, career preparation, and/or career training WBL activities and assist with the development and implementation of the GIVE grant Work-Based Learning continuum in areas of:
 - a. Career awareness: i.e., develop projects/activities that favorably depict career options in aviation maintenance and related fields; provide speakers and/or instructors for student career awareness activities/experiences
 - b. Career exploration: i.e., develop projects; provide staff; develop curriculum with project-based learning; host site visits and/or guest lectures
 - c. Career preparation: i.e., develop/provide projects supporting professional development and/or externships for teachers; assist with the development of project-based learning activities for use in aviation maintenance technology-related education/career training programs
 - d. Career training: i.e., invest in equipment and supplies, as feasible, and help to coordinate job shadowing and/or other industry-specific WBL opportunities for high school students and externships for instructors
4. Promote to students the AMTC³ aviation-related WBL learning activities organized by Pellissippi State and AMTC³ partners
5. In compliance with FERPA and other privacy and information sharing guidance and regulations, share student data with lead entity to be used for project evaluation. No personally identifiable information (PII) to be shared without explicit consent and approval of individuals and/or parents/legal guardians of students under 18; share student data regarding number of student participants in GIVE 3.0 funded activities to be used for longitudinal project evaluation and dissemination of outcomes; finalize and execute data sharing agreement with lead entity (Pellissippi State)
6. Work with AMTC³ partners to develop and conduct outreach activities and recruit students into Pellissippi State's aviation maintenance technology-related education/training program/s
7. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components

DocuSigned by:			
	4/18/2024		4/22/24
L. Anthony Wise, Jr., President	Date	Alisa Teffeteller, CTE Federal Programs Supervisor	Date
Pellissippi State Community College		Blount County Schools	

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Blount Partnership

*Whereas, **BLOUNT PARTNERSHIP** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and*

*Whereas, **BLOUNT PARTNERSHIP** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: 1) acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and 2) develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.*

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

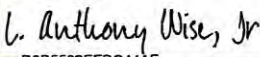
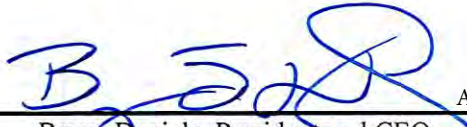
BLOUNT PARTNERSHIP agrees to collaborate in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist with the development and promotion of the GIVE 3.0 aviation maintenance technology-related Work-Based Learning continuum
3. Work with Pellissippi State and local K-12 systems to create EPSOs (dual credit / dual enrollment) for the Aviation Maintenance Technology program

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Blount Partnership

4. Facilitate contact, cooperation, and continued partnership development with business/industry representatives and employer partners, including assisting with identifying and securing partners for tooling, curriculum and supplies, as needed
5. Assist in development of outreach materials and promotion of aviation maintenance technology-related career pathways; market the Pellissippi State Aviation Maintenance Technology program across the region
6. Assist in identifying mentors, guest speakers, and other resources for career awareness, exploration, preparation, and training activities
7. Assist in the development of projects supporting professional development and/or externships for high school teachers and college instructors and other staff; assist with the development of learning activities for use in aviation maintenance technology education/career training programs
8. Assist in the identification of in-demand industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
9. Share aviation maintenance industry labor market and other relevant data with lead entity (Pellissippi State)
10. Work with Pellissippi State and other partners to identify appropriate aviation maintenance technology program training space and finalize/execute agreements/MOUs regarding funding, renovations and management of the identified space
11. Assist in advertising for and identifying possible staff and instructors for the Aviation Maintenance Technology program
12. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components

DocuSigned by:			
	4/18/2024		April 19, 2024
L. Anthony Wise, Jr., President Pellissippi State Community College	Date	Bryan Daniels, President and CEO Blount Partnership	Date

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Cirrus Aircraft

Whereas, **CIRRUS AIRCRAFT** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, **CIRRUS AIRCRAFT** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

CIRRUS AIRCRAFT anticipates the need to hire Aircraft Mechanic and Service Technician positions as follows:

	2024	2025	2026	2027	2028	2029
Local/Regional	5	10	10	15	15	20

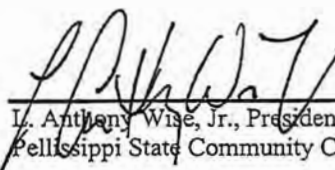
APPENDIX C-MEMORANDUMS OF UNDERSTANDING


Memorandum of Understanding Between Pellissippi State Community College and Cirrus Aircraft

CIRRUS AIRCRAFT recognizes as a benefit of the proposed AMTC³ project, an increase in availability of qualified candidates to fill anticipated openings and will seek to employ credentialed graduates from Pellissippi State's Aviation Maintenance Technology program to fill its workforce needs.

CIRRUS AIRCRAFT agrees to collaborate with Pellissippi State and AMTC³ partners in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist in the identification of in-demand aviation maintenance technology industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
3. Provide resources to support aviation maintenance technology education and training, including
 - a. appointment of representative/s to serve on the Pellissippi State Aviation Maintenance Technology program advisory council
 - b. assistance with development/review/evaluation of Pellissippi State's Aviation Maintenance Technology program
 - c. identification of qualified adjunct instructors for Pellissippi State's Aviation Maintenance Technology program
 - d. provision of and/or assistance in identifying training equipment/supplies/materials
 - e. provision of materials, supplies, and human resources for Aviation Maintenance Technology program outreach and recruitment efforts
4. Share student/student-employee data with lead entity (Pellissippi State) to be used for longitudinal project evaluation and dissemination of outcomes funded through the project; finalize and execute data sharing agreement with lead entity (Pellissippi State)
5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including:
 - a. field trips/facility tours for students
 - b. classroom presentations
 - c. career awareness/exploration workshops/events
 - d. career preparation/training workshops/events
 - e. job shadowing
 - f. internships
 - g. externships for instructors, counselors, and/or other college staff
 - h. field trips facility tours for instructors, counselors, and/or other college staff
6. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components
7. Provide employment opportunities to credentialed graduates from the college's proposed aviation maintenance technology program

 4/19/24
L. Anthony Wise, Jr., President Date
Pellissippi State Community College

 4/22/24
Stephen Deucker, Vice President & General Manager Date
Cirrus Aircraft

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and CommuteAir LLC

Whereas, CommuteAir, LLC and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, CommuteAir, LLC is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

CommuteAir, LLC anticipates the need to hire Aircraft Mechanic and Service Technician positions locally and company-wide over the next two to five years as follows:

	2024	2025	2026	2027	2028	2029
Local/Regional	3	10				
Company-wide	30	30	30	30	30	30

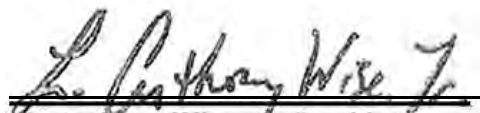
APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and CommuteAir LLC

CommuteAir, LLC recognizes as a benefit of the proposed AMTC³ project, an increase in availability of qualified candidates to fill anticipated openings and will seek to employ credentialed graduates from Pellissippi State's Aviation Maintenance Technology program to fill its workforce needs.

CommuteAir, LLC agrees to collaborate with Pellissippi State and AMTC³ partners in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist in the identification of in-demand aviation maintenance technology industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
3. Provide resources to support aviation maintenance technology education and training, including
 - a. appointment of representative/s to serve on the Pellissippi State Aviation Maintenance Technology program advisory council
 - b. assistance with development/review/evaluation of Pellissippi State's Aviation Maintenance Technology program
 - c. identification of qualified adjunct instructors for Pellissippi State's Aviation Maintenance Technology program
 - d. provision of and/or assistance in identifying training equipment/supplies/materials
 - e. provision of materials, supplies, and human resources for Aviation Maintenance Technology program outreach and recruitment efforts
4. Share student/student-employee data with lead entity (Pellissippi State) to be used for longitudinal project evaluation and dissemination of outcomes funded through the project; finalize and execute data sharing agreement with lead entity (Pellissippi State)
5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including:
 - a. field trips/facility tours for students
 - b. classroom presentations
 - c. career awareness/exploration workshops/events
 - d. career preparation/training workshops/events
 - e. job shadowing
 - f. internships
 - g. externships for instructors, counselors, and/or other college staff
 - h. field trips facility tours for instructors, counselors, and/or other college staff
6. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components
7. Provide employment opportunities to credentialed graduates from the college's proposed aviation maintenance technology program


L. Anthony Wise, Jr., President
Pellissippi State Community College

04/27/2024


Lon Ziegler
VP Maintenance and Technical Services
CommuteAir, LLC

Date
04/27/2024

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Endeavor Air

Whereas, **Endeavor Air** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, **Endeavor Air** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State’s new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college’s Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

Endeavor Air anticipates the need to hire Aircraft Mechanic and Service Technician positions as follows:

	2024	2025	2026	2027	2028	2029
Local/Regional	2	2	2	2	2	2
Statewide	2	2	2	2	2	2
Company-wide	25	25	25	25	25	25

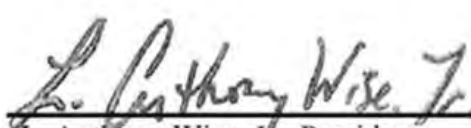
APPENDIX C-MEMORANDUMS OF UNDERSTANDING


Memorandum of Understanding
Between Pellissippi State Community College and
Endeavor Air

Endeavor Air recognizes as a benefit of the proposed AMTC³ project, an increase in availability of qualified candidates to fill anticipated openings and will seek to employ credentialed graduates from Pellissippi State’s Aviation Maintenance Technology program to fill its workforce needs.

Endeavor Air agrees to collaborate with Pellissippi State and AMTC³ partners in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist in the identification of in-demand aviation maintenance technology industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
3. Provide resources to support aviation maintenance technology education and training, including
 - a. appointment of representative/s to serve on the Pellissippi State Aviation Maintenance Technology program advisory council
 - b. assistance with development/review/evaluation of Pellissippi State’s Aviation Maintenance Technology program
 - c. identification of qualified adjunct instructors for Pellissippi State’s Aviation Maintenance Technology program
 - d. assistance in identifying training equipment/supplies/materials
 - e. provision of materials, supplies, and human resources for Aviation Maintenance Technology program outreach and recruitment efforts
4. Share student/student-employee data with lead entity (Pellissippi State) to be used for longitudinal project evaluation and dissemination of outcomes funded through the project; finalize and execute data sharing agreement with lead entity (Pellissippi State)
5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including:
 - a. field trips/facility tours for students
 - b. classroom presentations
 - c. career awareness/exploration workshops/events
 - d. career preparation/training workshops/events
 - e. job shadowing
 - f. field trips facility tours for instructors, counselors, and/or other college staff
6. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components
7. Provide employment opportunities to credentialed graduates from the college’s proposed aviation maintenance technology program


 L. Anthony Wise, Jr., President
 Pellissippi State Community College
 Date 04/27/2024


 Jay McKinley, Manager of Maintenance
 Endeavor Air
 Date 04.26.2024

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and JetRight

Whereas, **JetRight** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, **JetRight** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

JetRight anticipates the need to hire Aircraft Mechanic and Service Technician positions as follows:

	2024	2025	2026	2027	2028	2029
Local/Regional	0	1	1	1	0	0

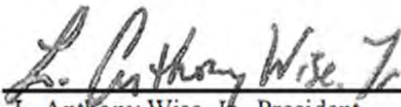
JetRight recognizes as a benefit of the proposed AMTC³ project, an increase in availability of qualified candidates to fill anticipated openings and will seek to employ credentialed graduates from Pellissippi State's Aviation Maintenance Technology program to fill its workforce needs.

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding
Between Pellissippi State Community College and
JetRight

JetRight agrees to collaborate with Pellissippi State and AMTC³ partners in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist in the identification of in-demand aviation maintenance technology industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
3. Provide resources to support aviation maintenance technology education and training, including
 - a. provision of and/or assistance in identifying training equipment/supplies/materials
 - b. provision of materials, supplies, and human resources for Aviation Maintenance Technology program outreach and recruitment efforts
 - c. Donate any unserviceable parts or tooling (after quarantine procedures)
4. Share student/student-employee data with lead entity (Pellissippi State) to be used for longitudinal project evaluation and dissemination of outcomes funded through the project; finalize and execute data sharing agreement with lead entity (Pellissippi State)
5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including:
 - a. field trips/facility tours for students
 - b. classroom presentations
 - c. career awareness/exploration workshops/events
 - d. career preparation/training workshops/events
 - e. job shadowing
 - f. internships
 - g. externships for instructors, counselors, and/or other college staff
 - h. field trips facility tours for instructors, counselors, and/or other college staff
6. Provide employment opportunities to credentialed graduates from the college's proposed aviation maintenance technology program


L. Anthony Wise, Jr., President Date
Pellissippi State Community College

 4-26-24
Byron Marcum, Director of Maintenance Date
JetRight

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and The Knoxville Chamber

Whereas, **KNOXVILLE CHAMBER** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, **KNOXVILLE CHAMBER** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components



KNOXVILLE CHAMBER agrees to collaborate in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist with the development and promotion of the GIVE 3.0 aviation maintenance technology-related Work-Based Learning continuum
3. Facilitate contact and cooperation with business/industry representatives and employer partners

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

**Memorandum of Understanding
Between Pellissippi State Community College and
The Knoxville Chamber**

4. Assist in development of outreach materials and promotion of aviation maintenance technology-related career pathways
5. Assist in identifying mentors, guest speakers, and other resources for career awareness, exploration, preparation, and training activities
6. Assist in the development of projects supporting professional development and/or externships for high school teachers and college instructors and other staff; assist with the development of learning activities for use in aviation maintenance technology education/career training programs
7. Assist in the identification of in-demand industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
8. Share aviation maintenance industry labor market and other relevant data with lead entity (Pellissippi State)
9. Work with Pellissippi State and other partners to identify appropriate aviation maintenance technology program training space
10. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components

DocuSigned by:
 4/18/2024  April 23, 2024
DBP55825EDC44AF

L. Anthony Wise, Jr. President Pellissippi State Community College	Date	Mike Odom, President and CEO Knoxville Chamber	Date
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APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Longwell Aviation, LLC

Whereas, Longwell Aviation, LLC and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, Longwell Aviation, LLC is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: 1) assist in acquiring equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and 2) develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained and work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and determination of sustainability strategies for successful project components

Longwell Aviation, LLC anticipates the need to hire Aircraft Mechanic and Service Technician positions as follows:

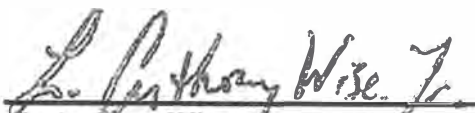
	2024	2025	2026	2027	2028	2029
Local/Regional	1	2	3	4	5	6

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Longwell Aviation, LLC

Longwell Aviation, LLC recognizes as a benefit of the proposed AMTC³ project, an increase in availability of qualified candidates to fill anticipated openings and will seek to employ credentialed graduates from Pellissippi State's Aviation Maintenance Technology program to fill its workforce needs. **Longwell Aviation, LLC** agrees to collaborate with Pellissippi State and AMTC³ partners in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist in the identification of in-demand aviation maintenance technology industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
3. Provide resources to support aviation maintenance technology education and training, including
 - a. appointment of representative/s to serve on the Pellissippi State Aviation Maintenance Technology program advisory council
 - b. assistance with development/review/evaluation of Pellissippi State's Aviation Maintenance Technology program
 - c. identification of qualified adjunct instructors for Pellissippi State's Aviation Maintenance Technology program
 - d. provision of and/or assistance in identifying training equipment/supplies/materials
 - e. provision of materials, supplies, and human resources for Aviation Maintenance Technology program outreach and recruitment efforts
4. Share student/student-employee data with lead entity (Pellissippi State) to be used for longitudinal project evaluation and dissemination of outcomes funded through the project; finalize and execute data sharing agreement with lead entity (Pellissippi State)
5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including:
 - a. Aircraft on Ground (AOG) Vehicle tours for students
 - b. classroom presentations
 - c. career awareness/exploration workshops/events
 - d. career preparation/training workshops/events
 - e. job shadowing
 - f. internships
6. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components
7. Provide employment opportunities to credentialed graduates from the college's proposed aviation maintenance technology program


L. Anthony Wise, Jr., President
Pellissippi State Community College

04/27/2024



Joshua Long
Co-Founder
Longwell Aviation

04-28-2024

Date

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Maryville Schools

Whereas, **MARYVILLE SCHOOLS** and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, **MARYVILLE SCHOOLS** is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: **1)** acquire equipment and other resources to develop Pellissippi State's new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and **2)** develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college's Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

MARYVILLE SCHOOLS agrees to collaborate in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Work with Pellissippi State to develop and implement aviation maintenance technology-related Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for postsecondary aviation maintenance technology career education and training.

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and Maryville Schools

3. Work with AMTC³ partners to plan and organize aviation maintenance technology-related WBL experiences, including career awareness, career exploration, career preparation, and/or career training WBL activities and assist with the development and implementation of the GIVE grant Work-Based Learning continuum in areas of:
 - a. Career awareness: i.e., develop projects/activities that favorably depict career options in aviation maintenance and related fields; provide speakers and/or instructors for student career awareness activities/experiences
 - b. Career exploration: i.e., develop projects; provide staff; develop curriculum with project-based learning; host site visits and/or guest lectures
 - c. Career preparation: i.e., develop/provide projects supporting professional development and/or externships for teachers; assist with the development of project-based learning activities for use in aviation maintenance technology-related education/career training programs
 - d. Career training: i.e., invest in equipment and supplies, as feasible, and help to coordinate job shadowing and/or other industry-specific WBL opportunities for high school students and externships for instructors
4. Promote to students the AMTC³ aviation-related WBL learning activities organized by Pellissippi State and AMTC³ partners
5. In compliance with FERPA and other privacy and information sharing guidance and regulations, share student data with lead entity to be used for project evaluation. No personally identifiable information (PII) to be shared without explicit consent and approval of individuals and/or parents/legal guardians of students under 18; share student data regarding number of student participants in GIVE 3.0 funded activities to be used for longitudinal project evaluation and dissemination of outcomes; finalize and execute data sharing agreement with lead entity (Pellissippi State)
6. Work with AMTC³ partners to develop and conduct outreach activities and recruit students into Pellissippi State's aviation maintenance technology-related education/training program/s
7. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components

DocuSigned by:

L. Anthony Wise, Jr

4/18/2024

Mike Winstead

4/19/24

L. Anthony Wise, Jr., President
Pellissippi State Community College

Date

Mike Winstead, Director of Schools
Maryville Schools

Date

APPENDIX C-MEMORANDUMS OF UNDERSTANDING

Memorandum of Understanding Between Pellissippi State Community College and StandardAero Alliance Inc.

Whereas, STANDARDAERO ALLIANCE INC and Pellissippi State Community College (Pellissippi State) acknowledge the need for and are committed to forming a long-term, regional Collaborative that will work together to identify and address regional workforce needs and skills gaps in the Aviation Maintenance Technology industry, and

Whereas, STANDARDAERO ALLIANCE INC is committed to working with Pellissippi State as part of the Pellissippi State GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) to: 1) acquire equipment and other resources to develop Pellissippi State’s new Aviation Maintenance Technology A.A.S. program and create a pathway from secondary to postsecondary that culminates in a postsecondary degree, preparation for industry-recognized certification, and that fills the critical and demonstrable local/regional workforce need for authorized inspectors and aircraft maintenance and repair technicians (Airframe & Powerplant); and 2) develop and implement collaborative, meaningful, and structured work-based learning (WBL) experiences that prepare students for Aviation Maintenance Technology occupations.

Therefore, each party enters into this Memorandum of Understanding and agrees to the following roles, responsibilities, and commitments related to the GIVE 3.0 Aviation Maintenance Technology College to Career Collaborative (AMTC³) project:

Pellissippi State Community College agrees to collaborate in the following ways:

1. Serve as lead entity and fiscal agent for the GIVE 3.0 grant-funded project
2. Develop and lead the Aviation Maintenance Technology College to Career Collaborative (AMTC³) team to plan activities and monitor achievement of measurable project outcomes
3. Plan and organize, with employer partners and K-12 education partners, a continuum of Work-Based Learning (WBL) experiences, including career exploration & awareness activities, career preparation & training activities, and other industry-related experiences relevant to the aviation maintenance occupation
4. Lead and facilitate the completion of the FAA-certification process for the college’s Aviation Maintenance Technology program
5. Lead and facilitate the TBR new education and training program approval process for the Aviation Maintenance Technology program at Pellissippi State
6. Work with Blount Partnership and other partners to identify appropriate program training space and execute agreements/MOUs regarding funding, renovations, and management of the identified space
7. Work with high school partners to develop and implement Early Postsecondary Opportunities (EPSOs) to create, grow, and maintain a pipeline of students for aviation maintenance technology career education and training programs
8. Provide the framework by which the GIVE 3.0 AMTC³ grant-funded initiatives will be evaluated and sustained
9. Work with AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and with the determination of sustainability strategies for successful project components

StandardAero Alliance Inc. anticipates the need to hire Aircraft Mechanic and Service Technician positions as follows:

StandardAero	2024	2025	2026	2027	2028	2029
Local/Regional	11	15	15	15	15	15

APPENDIX C-MEMORANDUMS OF UNDERSTANDING


Memorandum of Understanding Between Pellissippi State Community College and StandardAero Alliance Inc.

STANDARDAERO ALLIANCE INC recognizes as a benefit of the proposed AMTC³ project, an increase in availability of qualified candidates to fill anticipated openings and will seek to employ credentialed graduates from Pellissippi State's Aviation Maintenance Technology program to fill its workforce needs.


STANDARDAERO ALLIANCE INC agrees to collaborate with Pellissippi State and AMTC³ partners in the following ways:

1. Provide representative/s to serve and actively participate on Aviation Maintenance Technology College to Career Collaborative (AMTC³) team
2. Assist in the identification of in-demand aviation maintenance technology industry-recognized certifications (IRCs) and/or other credentials used for hiring and promotion
3. Provide resources to support aviation maintenance technology education and training, including
 - a. appointment of representative/s to serve on the Pellissippi State Aviation Maintenance Technology program advisory council
 - b. assistance with development/review/evaluation of Pellissippi State's Aviation Maintenance Technology program
 - c. identification of qualified adjunct instructors for Pellissippi State's Aviation Maintenance Technology program
 - d. provision of and/or assistance in identifying training equipment/supplies/materials
 - e. provision of materials, supplies, and human resources for Aviation Maintenance Technology program outreach and recruitment efforts
 - f. Potential product/tooling, engagement in community awareness efforts and other causes to build the future aviator pipeline
4. Share student/student-employee data with lead entity (Pellissippi State) to be used for longitudinal project evaluation and dissemination of outcomes funded through the project; finalize and execute data sharing agreement with lead entity (Pellissippi State)
5. Work with Pellissippi State and other partners to develop and implement aviation maintenance technology-related WBL opportunities, including:
 - a. field trips/facility tours for students
 - b. classroom presentations
 - c. career awareness/exploration workshops/events
 - d. career preparation/training workshops/events
 - e. job shadowing
 - f. internships
 - g. externships for instructors, counselors, and/or other college staff
 - h. field trips facility tours for instructors, counselors, and/or other college staff
6. Work with Pellissippi State and AMTC³ partners to plan, finalize, and execute GIVE 3.0 AMTC³ project evaluation and to determine sustainability strategies for successful project components
7. Provide employment opportunities to credentialed graduates from the college's proposed aviation maintenance technology program

We are committed to our local community and to the aviation community. We will proudly partner with this new program and support its growth and success.

DocuSigned by:

D8B5582EEDC44AE
L. Anthony Wise, Jr., President
Pellissippi State Community College

4/18/2024
Date


Adam C. Harris, Director of Human Resources
StandardAero Alliance Inc


StandardAero
April 17, 2024

APPENDIX D-BUDGET PLAN

Section 4: Budget Plan Line Item Detail and Budget Narrative

GRANT BUDGET				
GIVE Program Competitive Grant				
The grant budget line-item amounts below shall be applicable only to expenses incurred during the following				
Applicable Period:	BEGIN: 10/01/2024		END: 09/30/2028	
POLICY 03 Object Line-item Reference	EXPENSE OBJECT LINE-ITEM CATEGORY ¹	GRANT CONTRACT	GRANTEE PARTICIPATION	TOTAL PROJECT
1, 2	Salaries, Benefits & Taxes	\$ 811,831	\$ 140,841	\$ 952,672
4, 15	Professional Fee, Grant & Award ²	30,000	48,000	\$ 78,000
5, 6, 7, 8, 9, 10	Supplies, Telephone, Postage & Shipping, Occupancy, Equipment Rental & Maintenance, Printing & Publications	170,900	-	170,900
11, 12	Travel, Conferences & Meetings	7,000	-	7,000
13	Interest ²	-	-	-
14	Insurance	-	-	-
16	Specific Assistance to Individuals	-	-	-
17	Depreciation ²	-	-	-
18	Other Non-Personnel ²	2,400	-	2,400
20	Capital Purchase ²	829,255	-	829,255
22	Indirect Cost	148,111	-	148,111
24	In-Kind Expense	-	-	-
25	GRAND TOTAL	\$ 1,999,497	\$ 188,841	\$ 2,188,338

APPENDIX D-BUDGET PLAN

Line 1, 2 Salaries, Benefits & Taxes = \$811,831

Line 1 Salaries = \$590,631

All full-time faculty & staff positions are charged 100% to the grant through Year 3 and 50% to the grant in Y4, with plans for full institutionalization of positions at the end of the grant contract, assuming sufficient AMT program enrollment; 100% of their time and effort is assigned to direct program activities. A 3% cost-of-living increase is built into full-time staff and faculty positions. For purposes of budgeting, the full grant period of performance is September 2024 to August 2028.

Salaries	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	Employment Dates 09/01/2024-08/31/2025	Employment Dates 09/01/2025-08/31/2026	Employment Dates 09/01/2026-08/31/27	Employment Dates 09/01/2027-08/31/28	Total Salary
Program Coordinator/Lead Instructor	80,000	82,400	84,872	43,709	290,981
Instructor		60,000	61,800	31,827	153,627
Lab Technician		50,000	51,500	26,523	128,023
Faculty/Staff Externships	2,000	2,000	2,000	2,000	8,000
Career Awareness and Exploration WBL Academies/Program Facilitators/Instructors	2,500	2,500	2,500	2,500	10,000
Total	84,500	196,900	202,672	106,559	590,631

- Program Coordinator/Lead Instructor:** \$80,000 annual salary – 12-month position, FAA A&P Certified. The program coordinator/lead instructor will report to the Dean of Engineering & Media Technologies and will be responsible for assisting the college with development of all aspects of the AMT AAS program, including but not limited to: curriculum development, scheduling of courses, managing program instructor/s and lab technician, coordinating outreach/recruitment activities, developing WBL and EPSO opportunities in coordination with Career Development, secondary school partners, and employer partners. The program coordinator/lead instructor will also serve as the AMTC3 project manager, assisting the project director with all grant-related administrative functions including required reporting, managing the ordering and purchasing processes, maintaining program inventory lists, managing the grant project budget, etc. The College will pay a percentage of the Program Coordinator/Lead Instructor’s wages Y4 50%, and the position will be fully institutionalized/sustained after the grant. (\$80,000 YR 1 + \$82,400 YR 2 + \$84,872 YR3 + YR 4 \$43,709 = \$290,981)
- AMT Program Instructor:** \$60,000 annual salary – 12-month position, FAA A&P Certified. AMT instructor will report to the AMT program coordinator/lead instructor and will be responsible for teaching aviation maintenance courses. The AMT instructor will help develop and evaluate curriculum, provide academic advisement for students and promote communication with employers, professional associations, and other external constituents to support student success. The College will pay a percentage of the AMT instructor’s wages Y4 (50%), and the position will be fully institutionalized/sustained after the grant, assuming sufficient program enrollment. (\$60,000 YR 2 + \$61,800 YR3 + YR 4 \$31,827 = \$153,627)

APPENDIX D-BUDGET PLAN

- Lab Technician:** \$50,000 annual salary – The Lab Technician will oversee and maintain operation and maintenance of aviation instructional laboratory environment - setup, test, operate, repair, and maintain equipment and machinery. Provide skills-based assistance to students during non-class and/or scheduled lab hours. College will pay a percentage of the Lab Technician’s wages Y4 (50%), and the position will be fully institutionalized/sustained after the grant funding period. (\$50,000 YR 2 + \$51,500 YR3 + YR 4 \$26,523 = \$128,023)
- Faculty/Staff Externships:** \$8,000 – Faculty/Staff will earn a stipend of \$1,000 each to participate in externships within aviation maintenance facilities to gain industry knowledge and become familiar with updates in industry-specific technology and business practices. (\$1,000 x 2 instructors x 4 years = \$8,000)
- Instructors for Career Awareness and Exploration WBL Academies/Programs:** \$10,000. Stipends of \$1,250 each will be paid to instructors to plan and execute instruction for career awareness and exploration WBL academies/program activities. Instructors will be responsible for teaching the academies/programs designed to engage students in hands-on learning with employer partners. The academies/programs will be up to five-day experiences and may include tours of industry sites, informational interviews, and other classroom and hands-on learning activities. (2 instructors x \$1,250 = \$2,500 x 4 years = \$10,000).

Line 2 Benefits & Taxes = \$221,199

Benefits & Taxes	YR 1	YR 2	YR 3	YR 4	YEARS 1-4	YEARS 1-4
	Employment Dates 09/01/2024-08/31/2025	Employment Dates 09/01/2025-08/31/2026	Employment Dates 09/01/2026-08/31/27	Employment Dates 09/01/2027-08/31/28	Total Salary	Total Benefits & Taxes
Program Coordinator/Lead Instructor	30,400	31,312	32,251	16,609	290,981	110,573
Instructor	0	22,800	23,484	12,094	153,627	58,378
Lab Technician	0	19,000	19,570	10,079	128,023	48,649
Faculty/Staff Externships	400	400	400	400	8,000	1,600
Career Awareness and Exploration WBL Academies/Program Facilitators/Instructors	500	500	500	500	10,000	2,000
Total	31,300	74,012	76,205	39,682	590,631	221,199

Full-time faculty/staff benefits are calculated at 38% of salary. Benefits include FICA; state retirement, insurance unemployment, terminal leave, employee fee waiver, 401-K match, compensated absences/OPEB. The College will pay 50% of benefits and taxes Y4.

APPENDIX D-BUDGET PLAN

Line 4 Professional Fees = \$30,000

Professional Fees	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-02/28/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Professional Fees
Aviation Maintenance Program Consultant	24,000	0	0	0	24,000
Instructor Externships (High School Faculty/Staff)		2,000	2,000	2,000	6,000

Aviation Maintenance Program Consultant: \$24,000 – An aviation maintenance program consultant will be contracted to advise and provide guidance and assistance with the implementation and/or improvement of program design and mapping: develop Part 147 operations manual; serve as FAA interface; compile and author FAA documents; ensure FAA compliance and Certification Standard Alignment; identify and assist with finalization of equipment list; author, review and make recommendations for equipment RFPs; review location and facility layout and requirements; author job descriptions for program coordinator, faculty and support staff; participate in interviews and candidate selection processes; assist with SASCOC accreditation processes for AMT program. The College will pay up to \$48,000 of the Program Consultant’s fees 03/01/2025-08/31/2026. (1 Program Consultant x \$4,000/month x 6 months = \$24,000)

Instructor Externships (High School Instructors/Staff): \$6,000 – High School Instructors/Staff will earn a stipend of \$1,000 each to participate in externships within aviation maintenance business facilities to gain industry knowledge and become familiar with updates in industry-specific technology and business practices. (\$1,000 x 2 instructors x 3 years = \$6,000)

Line 5 Supplies = \$166,900

Supplies	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Supplies
Program uniforms and supplies	3,600	3,600	3,600	3,600	14,400
Supplies for WBL events	25,000	40,000	40,000	40,000	145,000
Career Expo		2,500	2,500	2,500	7,500

Supplies:

\$14,400 – Program uniforms and supplies for students including personal protective equipment with safety glasses, gloves, hearing protection and hard hat (\$180 x 20 participants x 4 years = \$14,400)

\$145,000 – Supplies to conduct WBL activities, events, academies and programs (\$25,000 YR 1 + \$40,000 YR 2 + \$40,000 YR3 + YR 4 \$40,000 = \$145,000)

\$7,500 – Career expo supplies (\$2,500 annual career expo x 3 years = \$7,500)

APPENDIX D-BUDGET PLAN

Line 10 Printing and Publications = \$4,000

Printing and Publications	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Printing and Publications
Marketing/outreach materials	1,000	1,000	1,000	1,000	4,000

Printing and Publications: \$4,000 – Printed media for marketing and recruitment materials for Aviation Maintenance Technology AAS (\$1,000 annual x 4 years = \$4,000)

Line 11 Travel = \$5,800

Travel	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Conferences and Meetings
Annual Conference travel expenses	2,900		2,900		5,800

Conference attendance (travel expenses): \$5,800 – travel related costs for attendance at an annual conference focused on WBL best practices or specific to aviation maintenance workforce development. Costs are estimated as follows: \$5,800 per year for AMT Program Coordinator in YR 2 and YR 4: Airfare - \$800; Lodging - \$1,600; Per Diem - \$500. (\$2,900 annual conference travel x 2 years = \$5,800)

Line 12 Conferences and Meetings = \$1,200

Conferences and Meetings	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Conferences and Meetings
Annual Conference	600		600		1,200

Conference attendance: \$1,200 – registration cost for an annual conference focused on WBL best practices or specific to aviation maintenance workforce development. Registration - \$600. (\$600 x 2 years = \$1,200)

Line 18 Other Non-personnel Expenses \$2,400

Other Non-personnel Expenses	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Other Non-personnel Expenses
Institutional Membership Fee (ATEC)	600	600	600	600	2,400

Institutional Membership: \$2,400 – Institutional membership fee to Aviation Technician Education Council (\$600 annual membership x 4 years = \$2,400)

APPENDIX D-BUDGET PLAN

Line 20 Capital Purchases \$829,255

Equipment	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Equipment
Allison 250 Turboshaft, PT6A Turboprop and 4-Cylinder Reciprocating Teardown Engines for Powerplant curriculum	150,830				150,830
4-cylinder Reciprocating Engine (Carbureted), PT6A Turboprop, Turboshaft Allison 250 Runnable Engines for Powerplant curriculum	283,890				283,890
Tricycle landing Gear, Hydraulic Landing Gear, Brake System, Fluid Lines and Fittings, Fire Detection and Extinguishing, Cabin Atmosphere and Pressurization, Heating and Air, Ice and Rain Protection System, and Electrical System Trainers for Airframe curriculum	281,510				281,510
Nose Gear Display and Propeller Cutaway Training Displays for Airframe curriculum	20,245				20,245
Safety Wire Locking Training Kit for Airframe curriculum	4,200				4,200
Precision Electrical Term and Structural Sheetmetal Assembly Certification Kits for Airframe curriculum	88,580				88,580

Program Equipment: \$829,255 – Program equipment for ATMC³ space needed to establish the aviation maintenance technology program will be purchased. The equipment will make it possible to prepare students for in-demand aviation-related positions and give students opportunities to apply skills being learned to real-life aviation maintenance scenarios in a secure environment. Equipment will include: teardown and runnable engines, trainers, training displays, training kits, certification kits, student and faculty workstations, computer monitors, computers with Linux operating system and pre-installed software, wiring and ethernet cables. **See Role of Proposed Equipment** section for more information.

Line 22 Indirect Costs Total \$148,111

Indirect Costs Total	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Indirect Costs
Indirect Cost 8%	80,220	25,649	26,566	15,675	148,111

Line 25 Total Expenses = \$1,999,497

Total Expenses	YR 1	YR 2	YR 3	YR 4	YEARS 1-4
	09/01/2024-08/31/2025	09/01/2025-08/31/2026	09/01/2026-08/31/27	09/01/2027-08/31/28	Total Expenses
Grant Total	1,082,975	346,261	358,644	211,617	1,999,497

APPENDIX D-BUDGET PLAN

Section 4 Budget Plan - Role of proposed equipment request. The acquisition of specialized equipment addresses the local/regional aviation maintenance labor market employment needs and provides the means by which Pellissippi State can meet all FAA requirements to begin the proposed Aviation Maintenance Technology AAS program with concentrations in Airframe and Powerplant (A&P). As described in Section 1 of this proposal, FAA A&P certified maintenance technicians are in demand in Blount County, the Knoxville MSA, and across East Tennessee. Steady growth is projected over the next five to ten years, with up to 210 local aviation maintenance technician openings between 2024 and 2029 projected by AMTC³ employer partners due to anticipated growth, potential expansion of facility services, and projected retirement exits. Additional need for A&P education and training is also projected by the 134th Air Refueling Wing (134ARW), an Air National Guard Base located at McGhee Tyson Airport in Blount County, as some of their critical roles for Airmen expand to include A&P certification requirements. See table below for list of the equipment needed to ensure FAA certification of the proposed AMT AAS program.

Detailed Description of Equipment

Powerplant Equipment Name	Type of Equipment
Allison 250 Turboshaft, PT6A Turboprop and 4-Cylinder Reciprocating	Teardown Engine
Allison 250 Turboshaft	Runnable Engine
Airframe Equipment Name	Type of Equipment
Tricycle landing Gear, Hydraulic Landing Gear, Brake System, Fluid Lines and Fittings, Fire Detection and Extinguishing, Cabin Atmosphere and Pressurization, Heating and Air, Ice and Rain Protection System, Electrical System	Trainer Equipment
Nose Gear Display, Propeller Cutaway	Training Display
Safety Wire Locking	Training Kit
Precision Electrical Term, Structural Sheetmetal Assembly	Certification Kit

Educational value of equipment in preparing the workforce. The proposed equipment systems are meant to give students a hands-on and realistic experience of working with specific aircraft/industrial technology. The training equipment will focus learning on diagnostics and fault finding, trouble shooting, repair and maintenance and will provide students with real-world scenarios and practical experience. The powerplant equipment is the center of the aircraft and requires an understanding of maintenance. The Turboshaft and Turboprop equipment will allow students to dissect and comprehend the inner workings of engines. The runnable engines elevate training by actively engaging with operational engines, allowing students to develop proficiency in diagnostics, troubleshooting, and maintenance procedures. The airframe equipment is the mechanical structure and demands meticulous attention to detail and proficiency in maintenance practices. The landing gear trainer equipment will allow students to interact with actual aircraft components and systems. Students will learn all airframe aspects from tire mechanics to hydraulic systems. The training equipment will prepare students to maintain critical aircraft systems to exacting standards. The brake system trainer equipment will allow students to bleed brakes and assemble fluid lines. The fire protection system offers insights into vital safety systems and will equip students to tackle emergencies with competence and confidence. All of the proposed equipment allows for the required FAA-certified training to take place according to governmental regulations and will make it possible for Pellissippi State to effectively train students to be prepared for FAA-certification exams and a career in aviation maintenance.

APPENDIX D-BUDGET PLAN

Justification for purchase. The aviation maintenance program and equipment will deliver hands-on technical training and teach students the theoretical knowledge and practical skills necessary for successful completion of the aviation maintenance AAS degree program and subsequent passing of the FAA A&P certification exams. The certification kits will identify provisions, guidance and other awareness along with learning materials/tools to meet the highest quality of aviation industry standards and industry certification. The costs are detailed in Line 20- Capital Purchases.

Section 4 Budget Plan - Explanation of indirect costs. The 8% indirect rate will cover a small percentage of costs associated with grant administrative functions including project management and compliance (grant development office), purchasing, receiving, inventory control, grant accounting, data collection (IEAP), and required reporting (grant development office, academic and workforce development departments) associated with GIVE grant start-up, implementation, and close-out.

APPENDIX E-CENSUS TRACTS IN PERSISTENT POVERTY MAP

LEGEND

Blue Font = Census Tract in Persistent Poverty

Red Font = Census Tract

