



PROGRAM INFORMATION & CONTACTS

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The TCC Airframe and Powerplant Program is an approved Federal Aviation Administration program that trains students to become licensed aviation maintenance technicians performing maintenance and repairs that keep aircraft in peak operating condition. Successful completion includes challenging and passing the required Oral & Practical exams.

Licensed aviation maintenance technicians are considered the vital link between aircraft manufacturers and the flying public. These technicians specialize in preventive maintenance that ensures various types of aircraft, such as commercial/non-commercial airplanes, helicopters and jets, are well maintained and working properly.

TCC’s Aviation Maintenance offerings include additional training opportunities in the fields of Avionics (advanced aviation electronics systems) and Advanced Composites Technology. Each of these programs address the ever changing complexities and advancements of technology present in the all aspects of aviation.

FAA PART 147 AIRFRAME & POWERPLANT PROGRAMS*

- AAS Degree in Aviation Maintenance Technology Airframe (60 credit hours)
- Certificate in Airframe (45 credit hours)
- AAS Degree in Aviation Maintenance Technology Powerplant (60 credit hours)
- Certificate in Powerplant (45 credit hours)

**For additional information refer to www.tccd.edu/aviation*



DUAL CREDIT

Dual credit aviation students are allowed to four courses their junior year and four additional courses in their senior year. For planning purposes the schedules and their time frames are identified below. Student completion of the programs in the time frames indicated is dependent on a student taking the recommended course load and successful completion of each class, each semester.

For additional information and forms: www.tccd.edu/dualcredit

CLASS SCHEDULE

Junior Year			Senior year		
Monday-Thursday		1:30 pm – 4:30 pm	Monday-Thursday		8:00 am – 11:00 am
FALL	Ground Operations	AERM 1310	FALL	Airframe Electricity	AERM 1345
	Basic Electricity	AERM 1314		Hydraulic & Pneumatics	AERM 1349
SPRING	Shop Practices	AERM 1303	SPRING	Fuel Metering	AERM 1357
	Aviation Science	AERM 1315		Turbine Engine Theory	AERM 1351

Senior Year			1 st Year of College		
Monday-Thursday		1:30 pm – 4:30 pm	Monday-Thursday		8:00 am – 11:00 am
FALL	Ground Operations	AERM 1310	FALL	Airframe Electricity	AERM 1345
	Basic Electricity	AERM 1314		Hydraulic & Pneumatics	AERM 1349
SPRING	Shop Practices	AERM 1303	SPRING	Fuel Metering	AERM 1357
	Aviation Science	AERM 1315		Turbine Engine Theory	AERM 1351

AVIATION MAINTENANCE COST GUIDE & ESTIMATES

TUITION*

- In-County tuition is \$59/credit hour
- Out of County tuition is \$106/credit hour
- Out of State tuition is \$255/credit hour
- Nonresident tuition is \$255/credit hour
- **Tuition rates are based on the 2015/2016 catalog.*

BOOKS*

- 10002467-004 A&P Technician General
Textbook - ISBN: 978-0-88847-559-8
- AC4313 – 1B

ESTIMATED PROGRAM EXPENSES

- Books – up to \$700
- Hand Tools - up to \$1,500
 - Craftsman
 - MAC
 - MATCO
 - Snap-on



REQUIRED HAND TOOL LIST

Each student is required to furnish all of the hand tools listed. Special tools and equipment required for this program will be furnished by Tarrant County College. Student owned tools will include the following:

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| <input type="checkbox"/> TOOL BOX (10"X12"X24") MAXIMUM SIZE WITH HANDLE ON TOP | <input type="checkbox"/> SCREWDRIVER SET, SLOT 1", 4", and 8" |
| <input type="checkbox"/> SOCKET SET, 3/8" DR, 1/4" - 3/4" | <input type="checkbox"/> SCREWDRIVER SET, PHILLIPS, #1-4", #2-1", and #2-6' |
| <input type="checkbox"/> RATCHET, 3/8" DR | <input type="checkbox"/> TAPE MEASURE 25' |
| <input type="checkbox"/> EXTENSIONS, 3/8" DR, 3" and 6" | <input type="checkbox"/> COMBINATION SQUARE |
| <input type="checkbox"/> SPEED HANDLE, 3/8" DR | <input type="checkbox"/> PENCIL COMPASS |
| <input type="checkbox"/> UNIVERSAL, 3/8" DR | <input type="checkbox"/> 6" SCALE IN 10THS and FRACTIONS (1/16" - 1/32") |
| <input type="checkbox"/> SOCKET SET, 1/4" DR 3/16" - 1/2" | <input type="checkbox"/> GAUGE, FEELER .015 TO .025 |
| <input type="checkbox"/> RATCHET, 1/4" DR | <input type="checkbox"/> HACKSAW W/3 BLADES 24 PITCH, 3 BLADES 32 PITCH |
| <input type="checkbox"/> EXTENSIONS 3" AND 6" | <input type="checkbox"/> FILE CARD |
| <input type="checkbox"/> 1/4" BIT HOLDER 3/8" DRIVE | <input type="checkbox"/> FILE - 8" HALF ROUND (DOUBLE CUT) BASTARD WITH HANDLE |
| <input type="checkbox"/> #2 PHILLIPS BIT | <input type="checkbox"/> FILE -8" MILL (SINGLE CUT) WITH HANDLE |
| <input type="checkbox"/> COMBINATION WRENCH SET, 3/8" - 7/8" | <input type="checkbox"/> FILE -6" ROUND DOUBLE CUT BASTARD WITH HANDLE |
| <input type="checkbox"/> IGNITION WRENCH SET, 5/32" - 7/16" | <input type="checkbox"/> FILE -10" ROUND DOUBLE CUT BASTARD WITH HANDLE |
| <input type="checkbox"/> ALLEN WRENCHES (INDIVIDUAL) | <input type="checkbox"/> NEEDLE FILE SET |
| <input type="checkbox"/> ADJUSTABLE WRENCH (12") | <input type="checkbox"/> SAFETY GOGGLES (CLEAR) |
| <input type="checkbox"/> NEEDLE NOSE PLIERS | <input type="checkbox"/> FLASHLIGHT (2 CELL), EXPLOSION PROOF |
| <input type="checkbox"/> 6 IN PLIERS, SIDE CUTTING | <input type="checkbox"/> INSPECTION MIRROR |
| <input type="checkbox"/> FLUSH CUT WIRE CUTTERS | <input type="checkbox"/> MUFF HEARING PROTECTORS |
| <input type="checkbox"/> PLIERS, DUCKBILL | <input type="checkbox"/> AVIATION SHEETMETAL SNIPS (STRAIGHT, RIGHT and LEFT) |
| <input type="checkbox"/> SAFETY WIRE PLIERS (9" or 6") | <input type="checkbox"/> AVIATION SPARK PLUG SOCKET, 7/8" DEEP WELL, 1/2" DR WITH 3/8" ADAPTER |
| <input type="checkbox"/> BALL PEEN HAMMER | |
| <input type="checkbox"/> MALLET, PLASTIC OR RAWHIDE | |
| <input type="checkbox"/> PIN PUNCH 3/32" | |
| <input type="checkbox"/> PIN PUNCH 1/8" | |
| <input type="checkbox"/> CENTER PUNCH | |

DO NOT PURCHASE UNTIL THE FIRST DAY OF CLASS

- RESPIRATOR (THE DISPOSABLE TYPE), ORGANIC CARTRIDGE PRE-FILTER (#7500-10) AND CAP (#7500-27)
- METERMEN 30XR-A DIGITAL MULTIMETER (CAN BE PURCHASED FROM GRAINGER OR BOOKSTORE)



Enrollment Checklist

- Tarrant County College Application for Admission
 - <https://www.applytexas.org/>
- Official test scores are required - Must be TSI Met
 - (pass Reading, Writing and Math – Algebra Pathway) submit to registrar
- Official High/Home School Transcript
 - submit one each semester of enrollment to registrar
- Meningitis Vaccination
 - submit to registrar
- TCC Early Enrollment Form - signed by High School Principal/Counselor
 - submit one each semester of enrollment to registrar
- Formal payment agreement with TCC Business Services Office
 - promissory letter of payment
- Student Picture ID
 - submit schedule and fee statement to campus copy center

Eligibility requirements:

- Follow TCC's Academic Standing and all other policies and regulations outlined in the TCC catalog.
- Attend class 85% of the time.
- Limited to 11th and 12th grade (junior and/or senior) high school student
- The TCC course load shall not exceed two (2) courses per semester
- A minimum grade of "C" must be earned on each course taken at TCC to continue eligibility to enroll concurrently while in high school.

ALL INFORMATION NEEDS TO BE TURNED IN **2 WEEKS** PRIOR TO THE FIRST CLASS DAY TO THE REGISTRAR OFFICE ON THE NORTHWEST CAMPUS