

AVIATION TECHNOLOGY

Program Description

The Aviation Technology program with a Fixed-wing emphasis will provide a technical certificate for college credit as identified in the Colorado Mesa University mission established by the Colorado Legislature. The goals of the program are: to prepare the students for FAA Certification as a Commercial Pilot with an Instrument Rating and as a Certified Flight Instructor. In addition, the program offers opportunities to enhance knowledge and expertise in the field of aviation by improving technical skills. Successful completion of the Aviation Technology program will also help prepare AAS students for BS programs in Aviation Technology.

Additional requirements for admission to this program

- a. You **must first contact** the Director of Aviation at 970-255-2683.
- b. **Fill out a secondary application.** Applications open November 1st and will close January 31st. New private pilot students **are only accepted** during the fall semester. The first steps in the application are:
 - i. Apply to CMU.
 - ii. Complete a flight physical exam with an FAA-designated Aviation Medical Examiner. Required certificate from the Aviation Medical Examiner must be a minimum third class, first class is recommended. To help locate a qualified doctor by city and state, go to <https://www.faa.gov/pilots/amelocator>.

All CMU/CMU Tech associate graduates are expected to demonstrate proficiency in specialized knowledge/applied learning, quantitative fluency, communication fluency, critical thinking, personal and social responsibility, and information literacy. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:

1. Acquire substantial aeronautical knowledge of Private Pilot, Commercial Pilot, and Instrument Flight contained in an FAA Part 141 curriculum. (Specialized Knowledge)
2. Demonstrate flight proficiency skills in Private Pilot, Commercial Pilot, and Instrument Flight operations contained in an FAA Part 141 curriculum. (Specialized Knowledge)
3. Demonstrate strong quantitative literacy skills and the ability to think critically in a demanding environment. (Quantitative Literacy, Critical Thinking)
4. Evaluate and implement FAA standards for aviation safety, Aeronautical Decision Making, and accident reporting, including evaluating personal limitations. (Specialized Knowledge, Critical Thinking, Communication Fluency)
5. Implementation of the FAA required physiological limitations and best practices in the performance of professional pilot duties. (Specialized Knowledge)

Contact Information

Office of Student Services
CMU Tech, Bishop B102
2508 Blichmann Avenue
970.255.2670

Programs of Study Associates

- Fixed Wing, Aviation Technology (AAS)

Program Expenses Semester 1 - Private Pilot Certificate

Expense/ Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C#172	195.00	42.0	8,190.00
Solo C#172	150.00	13.0	1,950.00
Ground Briefing	45.00	30.0	1,350.00
RB#TD2 Simulator	75.00	3.0	225.00
FAA Check Ride Flight	150.00	1.5	225.00
FAA Check Ride Examiner Fee			600.00
AVTN 102: Private Pilot Flight			12,540.00
Required Supplemental Online Course Materials and Private Pilot Kit			440.00
FAA Knowledge Exam			165.00
TSA Airport Badge			35.00
AVTN 101: Private Pilot Ground			640.00
Tuition and Fees (Credit Hours)	310.20	16.0	4,963.20
Textbooks and Other Course Materials*			1,500.00
Semester Total			19,643.20

Notes about Required Supplemental Online Course Materials and Private Pilot Kit:

The Private Pilot Part 141 online materials include:

- Ground Lessons
- Flight Lessons
- Maneuver Lessons
- Stage Exams
- End of Course Exam

The Private Pilot Kit includes:

- Private Pilot Textbook
- Private Pilot Maneuvers Manual
- Private pilot Syllabus

- Private Pilot Student Record Folder
- Private Pilot Airman Certification Standards (ACS)
- Private Pilot FAA Practical Test Study Guide
- Private Pilot FAA Airmen Knowledge Test Guide
- Student CSG Computer (E6B)
- PN-1 Navigation Plotter
- Pilot Logbook
- Student Flight Bag
- Private Pilot FAA Exam Package

- GFD Instrument/Commercial Record Folder
- Instrument Knowledge Test Guide
- Commercial Knowledge Test Guide
- IFR Three-Ring Kneeboard
- Student Flight Bag
- JeppShades
- Commercial Pilot ACS
- Instrument Pilot Exam Package
- Commercial Pilot Exam Package

Semester 2 - Instrument Reading

Expense/ Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C-172	195.00	40.0	7,800.00
Ground Briefing	45.00	30.0	1,350.00
RB-TD2 Simulator	75.00	5.0	375.00
FAA Check Ride Flight	150.00	2.0	300.00
FAA Check Ride Examiner Fee			600.00
AVTN 112: Instrument Flight			10,425.00
Required Supplemental Online Course Materials and Instrument/Commercial Kit			485.00
FAA Knowledge Exam			165.00
AVTN 111: Instrument Ground			650.00
Tuition and Fees (Credit Hours)	310.20	17.0	5,273.40
Textbooks and Other Course Materials*			500.00
Semester Total			16,848.40

Notes about Required Supplemental Online Course Materials and Instrument/Commercial Kit:

The Instrument Pilot Part 141 online materials include:

- Ground Lessons
- Flight Lessons
- Stage Exams
- End of Course Exam

The Instrument/Commercial Kit includes:

- GFD Instrument/Commercial Textbook
- GFD Instrument/Commercial Syllabus
- Instrument Rating Airman Certification Standards (ACS)

Semester 3 - Commercial Pilot Certificate (60%)

Expense/ Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C-172	195.00	13.0	2,535.00
Solo C-172	150.00	40.0	6,000.00
Ground Briefing	45.00	15.0	675.00
AVTN 202: Commercial Pilot Flight I			9,210.00
Required Supplemental Online Course Materials			170.00
FAA Knowledge Exam			165.00
AVTN 201: Commercial Pilot Ground			335.00
Tuition and Fees (Credit Hours)	310.20	17.0	5,273.40
Textbooks and Other Course Materials*			300.00
Semester Total			15,118.400

Notes about Required Supplemental Commercial Online Course Materials:

The Commercial Pilot Part 141 online materials include:

- Ground Lessons
- Flight Lessons
- Maneuver Lessons
- Stage Exams
- End of Course Exam

Semester 4 - Commercial Pilot Certificate (40%)

Expense/ Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C-172	195.00	27.0	5,265.00

Dual 182 (or other technically advanced aircraft)	195.00	15.0	2,925.00
Solo C-172	150.00	25.0	3,750.00
Ground Briefing	45.00	20.0	900.00
FAA Check Ride Flight	150.00	1.5	225.00
FAA Check Ride Examiner Fee			600.00
AVTN 203: Commercial Pilot Flight II			13,665.00

Notes

*This is curriculum required flight hours for all students. If hours exceed those indicated here, the student is responsible for additional costs.

**The provided tuition rates are based on in-state Tuition and Fees for COF-eligible Colorado residents. Higher rates apply for non-COF-eligible students.

***The provided costs for textbooks and course materials are estimates only. Textbooks and course materials are not included and must be purchased by students.

Semester 4 - Flight Instructor Rating

Expense/Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C-172	195.00	7.0	1,365.00
Ground Briefing	45.00	7.0	315.00
Flight Instructor Spin Training			500.00
FAA Check Ride Flight	150.00	1.5	225.00
FAA Check Ride Examiner Fee (x2)			1,200.00
AVTN 213: Flight Instructor Flight			3,605.00
FAA Knowledge Exam (x2)			330.00
AVTN 212: Flight Instructor Ground			330.00
Tuition and Fees (Credit Hours)	310.20	16.0	4,963.20
Textbooks and Other Course Materials*			300.00
Semester Total			22,863.20

Estimate of Total Program Cost

Expense/Requirement	Total Cost
Ground instruction, including testing fees	1,955.00
Flight Instruction, including FAA Check Rides and Examiner Fees*	49,445.00
Tuition and Fees**	20,473.20
Estimated Books and Course Materials***	2,600.00
TOTAL	74,473.20