

# 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

1. You **must first contact** the Director of Aviation at 970-255-2683.
2. **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:
  - a. Apply to CMU.
  - b. 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

### CMU Tech

Office of Student Services, Kayenta Hall 102  
2508 Blichmann Avenue  
970.255.2670

## Programs of Study Associates

- [Fixed Wing, Aviation Technology \(AAS\)](#)
- [Fixed Wing, Aviation Technology with Prior FAA Pilot License \(AAS\)](#)

## Program Expenses Semester 1 - Private Pilot Certificate

Expense/Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C#172	215.00	45.0	9675.00
Solo C#172	163.00	10.0	1,630.00
Ground Briefing	52.00	30.0	1,560.00
RB#TD2 Simulator	75.00	2.0	150.00
FAA Check Ride Flight	163.00	1.5	245.00
FAA Check Ride Examiner Fee			900.00
<b>AVTN 102: Private Pilot Flight</b>			<b>14,160.00</b>
FAA Curriculum, Foreflight Subscription, Student Kit			400.00
FAA Knowledge Exam			175.00
TSA Airport Badge			35.00
<b>AVTN 101: Private Pilot Ground</b>			<b>610.00</b>
Tuition and Fees (Credit Hours)	366.33	16.0	5,861.28
Textbooks and Other Course Materials*			1,300.00
<b>Semester Total</b>			<b>21,931.28</b>

### 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

- 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	215.00	45.0	9,675.00
Ground Briefing	52.00	30.0	1,560.00
RB-TD2 Simulator	75.00	5.0	375.00
FAA Check Ride Flight	163.00	2.0	326.00
FAA Check Ride Examiner Fee			900.00
<b>AVTN 112: Instrument Flight</b>			<b>12,836.00</b>
FAA Curriculum, Foreflight Subscription			195.00
FAA Knowledge Exam			175.00
<b>AVTN 111: Instrument Ground</b>			<b>370.00</b>
Tuition and Fees (Credit Hours)	366.33	17.0	6,227.61
Textbooks and Other Course Materials*			300.00
<b>Semester Total</b>			<b>19,733.61</b>

### 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)
- GFD Instrument/Commercial Record Folder
- Instrument Knowledge Test Guide
- Commercial Knowledge Test Guide

## Semester 3 - Commercial Pilot Certificate (60%)

Expense/ Requirement	Student Cost per Hour	Required Hours	Total Cost
Dual C-172	215.00	40.0	8,600.00
Solo C-172	163.00	20.0	3,260.00
Ground Briefing	52.00	15.0	780.00
<b>AVTN 202: Commercial Pilot Flight I</b>			<b>12,640.00</b>
FAA Curriculum, Foreflight Subscription			210.00
FAA Knowledge Exam			175.00
<b>AVTN 201: Commercial Pilot Ground</b>			<b>385.00</b>
Tuition and Fees (Credit Hours)	366.33	17.0	6,227.61
Textbooks and Other Course Materials*			300.00
<b>Semester Total</b>			<b>19,552.61</b>

### 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
Foreflight Subscription			80.00
Dual C-172	215.00	45.0	9,675.00
Solo C-172	163.00	15.0	3,225.00
Ground Briefing	52.00	20.0	1,040.00
FAA Check Ride Flight	163.00	1.5	245.00

FAA Check Ride Examiner Fee	900.00
<b>AVTN 203: Commercial Pilot Flight II</b>	<b>14,385.00</b>

\*\*\*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	215.00	7.0	1,505.00
Dual Aircraft (TAA)	215.00	7.0	1,505.00
Ground Briefing	52.00	10.0	520.00
Flight Instructor Spin Training			500.00
FAA Check Ride Flight	163.00	1.5	245.00
FAA Check Ride Examiner Fee			1,400.00
<b>AVTN 213: Flight Instructor Flight</b>			<b>5,675.00</b>
FAA Knowledge Exams and Curriculum			460.00
<b>AVTN 212: Flight Instructor Ground</b>			<b>460.00</b>
Tuition and Fees (Credit Hours)	366.33	16.0	5,861.28
Textbooks and Other Course Materials*			300.00
<b>Semester Total</b>			<b>26,681.28</b>

## Estimate of Total Program Cost

Expense/Requirement	Total Cost
Ground instruction, including testing fees	1,825.00
Flight Instruction, including FAA Check Rides and Examiner Fees*	59,696.00
Tuition and Fees**	24,177.78
Estimated Books and Course Materials***	2,200.00
<b>TOTAL</b>	<b>87,898.78</b>

## 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.