



**2016 - 2017 PETITION/PROGRAM SHEET**  
**Degree: Associate of Applied Science**  
**Major: Aviation Technology**  
**Emphasis: Fixed Wing**

**About This Major . .** The Aviation Technology program with a Fixed Wing emphasis will provide technical certificate for college credit as identified in the Colorado Mesa University mission established by the Colorado Legislature. The goals of the program are: 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. For more information on what you can do with this major, go to <http://www.coloradomesa.edu/wccc/programs.html>

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. 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 a FAA Part 141 curriculum.
2. Demonstrate flight proficiency skills in Private Pilot, Commercial Pilot and Instrument Flight operations contained in a FAA Part 141 curriculum.
3. Demonstrate strong quantitative literacy skills and the ability to think critically in a demanding environment.

Additional requirements for admission to the program:

1. Must complete all Developmental Education requirements prior to starting the program.
2. Submit a copy of your birth certificate to establish U.S Citizenship.
3. Complete a flight physical exam with an FAA-designated Aviation Medical Examiner. Recommend a second class medical certificate minimum. To help locate a qualified doctor go to <http://ame.cami.jcabi.gov> for a list by city and state.

NAME: \_\_\_\_\_ STUDENT ID #: \_\_\_\_\_

LOCAL ADDRESS AND PHONE NUMBER: \_\_\_\_\_  
 \_\_\_\_\_ ( ) \_\_\_\_\_

I, (Signature) \_\_\_\_\_, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I have read and understand the policies listed on the last page of this program sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

\_\_\_\_\_  
 Signature of Advisor Date 20\_\_

\_\_\_\_\_  
 Signature of Department Head Date 20\_\_

\_\_\_\_\_  
 Signature of Registrar Date 20\_\_

**DEGREE REQUIREMENTS:**

- Minimum 66 semester hours total (A minimum of 16 taken at CMU in no fewer than two semesters)
- A cumulative grade point average of 2.5 or higher must be maintained for all courses taken, and a “C” or better must be achieved in coursework toward the major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student’s responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student’s faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

**ESSENTIAL LEARNING REQUIREMENTS** (Minimum 15 semester Hours) See the current catalog for a list of courses that fulfill the requirements below. If a course is on the Essential Learning list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the Essential Learning requirement. The Essential Learning capstone course and co-requisite Essential Speech course (required for bachelor’s degrees) cannot be used as options for the below requirements.

Course No	Title	Sem.hrs	Grade	Term/Trns
<b>Communication</b> (6 semester hours)				
ENGL 111	English Composition	3	_____	_____
ENGL 112	English Composition	3	_____	_____
<b>-OR-</b>				
ENGL 111	English Composition <b>and</b>	3	_____	_____
SPCH 101	Interpersonal Communication <b>or</b>	3	_____	_____
SPCH 102	Speechmaking	3	_____	_____
<b>Mathematics</b> (Minimum 3 semester hours) Minimum				
MATH 108	Technical Mathematics	4	_____	_____

**Social Sciences, Natural Science, Fine Arts or Humanities**

(Minimum 6 semester hours)

GEOL 103	Weather and Climate	3	_____	_____
PSYC 150	Psychology	3	_____	_____

**WELLNESS REQUIREMENT** (2 semester hours)

KINE 100	Health and Wellness	1	_____	_____
KINA 1	_____	1	_____	_____

**ASSOCIATE OF APPLIED SCIENCE: COURSE REQUIREMENTS** (48 semester hours)

**Core Classes**

AVTN 101	Private Pilot Ground	4	_____	_____
AVTN 102	Private Pilot Flight	4	_____	_____
AVTN 111	Instrument Ground	4	_____	_____
AVTN 112	Instrument Flight	4	_____	_____
AVTN 105	Aviation Meteorology	4	_____	_____
AVTN 140	Aircraft Systems	4	_____	_____
AVTN 206	Crew Resource Mgt.	1	_____	_____
AVTN 201	Commercial Pilot Ground	2	_____	_____
AVTN 202	Commercial Pilot Flight I	4	_____	_____
AVTN 203	Commercial Pilot Flight II	3	_____	_____
AVTN 218	ATC Procedures	4	_____	_____
AVTN 205	Mountain Flying Ground	1	_____	_____
AVTN 296	Special Topics (Safety)	2	_____	_____
AVTN 296	Special Topics (Physiology)	2	_____	_____

Track 1 – CFI

AVTN 211	Fundamentals of Inst.	2	_____	_____
AVTN 212	Flight Inst. Ground	2	_____	_____
AVTN 213	Flight Inst. Flight	1	_____	_____

Track 2 – Multi Engine

AVTN 207	Multi Engine Ground	1	_____	_____
AVTN 208	Multi Engine Flight	1	_____	_____
Elective	Special Topics 296	3	_____	_____

**Total AAS Degree 66 credit hours**

## SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE WITH A MAJOR IN AVIATION TECHNOLOGY, EMPHASIS IN FIXED WING

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2-year course matrix on the Colorado Mesa website for course availability.

### Freshman Year

<u>First Semester</u>	<u>Hours</u>	<u>Second Semester</u>	<u>Hours</u>
AVTN 101 Private Pilot Ground	4	AVTN 111 Instrument Ground	4
AVTN 102 Private Pilot Flight	4	AVTN 112 Instrument Flight	4
MATH 108 Technical Math	4	AVTN 105 Aviation Meteorology	4
GEOL 103 WX & Climate	3	AVTN 140 Aircraft Systems	4
KINE 100 Health and Wellness	<u>1</u>	AVTN 206 Crew Resource Mgt	<u>1</u>
	16		17

### Sophomore Year

<u>Third Semester</u>	<u>Hours</u>	<u>Fourth Semester (Track 1)</u>	<u>Hours</u>
AVTN 201 Commercial Pilot Ground	2	AVTN 203 Commercial Pilot Flight	3
AVTN 202 Commercial Pilot Flight	4	AVTN 205 Mountain Flying Ground	1
AVTN 218 ATC Procedures	4	AVTN 211 Fundamentals of Inst.	2
ENGL 111 English Composition	3	AVTN 212 Flight Inst. Ground	2
PSYC 150 Psychology	3	AVTN 213 Flight Inst. Flight	1
KINA Activity Course	<u>1</u>	AVTN 296 Special Topics (Safety)	2
	17	AVTN 296 Special Topics (Physiology)	2
		SPCH 101 Interpersonal Comm.	<u>3</u>
			16

<u>Fourth Semester (Track 2)</u>	<u>Hours</u>
Replace AVTN 211, 212, 213 with:	
AVTN 207 Multi Engine Ground	1
AVTN 208 Multi Engine Flight	1
Elective	<u>3</u>
	16

#### POLICIES:

1. Please see the catalog for a complete list of graduation requirements.
2. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates**. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December**.
3. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.
5. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).