2017-2018 PROGRAM REQUIREMENTS
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.jccbi.gov for a list by city and state.

Advising Process and DegreeWorks

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

Graduation Process

Students must complete the following in the first two months of the semester prior to completing their degree requirements:
- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at http://www.coloradomesa.edu/registrar/graduation.html.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

INSTITUTIONAL DEGREE REQUIREMENTS

The following institutional degree requirements apply to all CMU/WCCC AAS degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours minimum.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 20 semester credit hours for an AAS degree.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

PROGRAM-SPECIFIC DEGREE REQUIREMENTS

- 66 semester hours total for the AAS, Aviation Technology - Fixed Wing.
- A minimum of 40 semester hours must be taken at CMU in no fewer than three semesters.
- A cumulative grade point average of 2.5 or higher must be maintained for all courses taken.
- A "C" or better must be achieved in coursework toward the major content area.

ESSENTIAL LEARNING REQUIREMENTS (16 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

Communication (6 semester hours)
- ☐ ENGL 111 - English Composition (3)
- ☐ Select one of the following courses:
  ENGL 112 - English Composition (3)
  SPCH 101 - Interpersonal Communication (3)
  SPCH 102 - Speechmaking (3)

Mathematics (4 semester hours)
- ☐ MATH 108 - Technical Mathematics (4)

Other Essential Learning Core Courses (6 semester hours)
- ☐ GEOL 103 - Weather and Climate (3)
- ☐ PSYC 150 - General Psychology (3)

OTHER LOWER-DIVISION REQUIREMENTS

Wellness Requirement (2 semester hours)
- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

AAS: AVIATION TECHNOLOGY - FIXED WING (48 semester hours, must be completed with a grade of "C" or better.)

Core Courses (43 semester hours)
- ☐ AVTN 101 - Private Pilot Ground (4)
- ☐ AVTN 102 - Private Pilot Flight (4) (49 hrs)
- ☐ AVTN 111 - Instrument Ground (4)
- ☐ AVTN 112 - Instrument Flight (4) (37 hrs)
- ☐ AVTN 105 - Aviation Meteorology (4)
- ☐ AVTN 140 - Aircraft Systems (4)
- ☐ AVTN 206 - Crew Resource Management (1)
- ☐ AVTN 201 - Commercial Pilot Ground (2)
- ☐ AVTN 202 - Commercial Pilot Flight I (4) (80 hrs)
- ☐ AVTN 203 - Commercial Pilot Flight II (3) (52 hrs)
- ☐ AVTN 218 - ATC Procedures (4)
- ☐ AVTN 205 - Mountain Flying Ground (1)
- ☐ AVTN 296 - Special Topics - Safety (2)
- ☐ AVTN 296 - Special Topics - Physiology (2)

Track Courses (5 semester hours)
Complete all courses in one of the following tracks.

Track 1 - CFI
- ☐ AVTN 211 - Fundamentals of Instruments (2)
- ☐ AVTN 212 - Flight Instruments Ground (2)
- ☐ AVTN 213 - Flight Instruments Flight (1) (12 hrs)

Track 2 - Multi-Engine
- ☐ AVTN 207 - Multi-Engine Ground (1)
- ☐ AVTN 208 - Multi-Engine Flight (1) (12 hrs)
- ☐ Elective - Special Topics 296 (3)

Freshman Year, Fall Semester: 16 credits
- AVTN 101 - Private Pilot Ground (4)
- AVTN 102 - Private Pilot Flight (4)
- MATH 108 - Technical Mathematics (4)
- GEOL 103 - Weather and Climate (3)
- KINE 100 - Health and Wellness (1)

Freshman Year, Spring Semester: 17 credits
- AVTN 111 - Instrument Ground (4)
- AVTN 112 - Instrument Flight (4)
- AVTN 105 - Aviation Meteorology (4)
- AVTN 140 - Aircraft Systems (4)
- AVTN 206 - Crew Resource Management (1)

Sophomore Year, Fall Semester: 17 credits
- AVTN 201 - Commercial Pilot Ground (2)
- AVTN 202 - Commercial Pilot Flight I (4)
- AVTN 218 - ATC Procedures (4)
- ENGL 111 - English Composition (3)
- PSYC 150 - General Psychology (3)
- KINA Activity course (1)

Track 1 - Sophomore Year, Spring Semester: 16 credits
- AVTN 203 - Commercial Pilot Flight II (3)
- AVTN 205 - Mountain Flying Ground (1)
- AVTN 296 - Special Topics - Safety (2)
- AVTN 296 - Special Topics - Physiology (2)
- AVTN 211 - Fundamentals of Instruments (2)
- AVTN 212 - Flight Instruments Ground (2)
- AVTN 213 - Flight Instruments Flight (1)
- SPCH 101 - Interpersonal Communication (3)

Track 2 - Sophomore Year, Spring Semester: 16 credits
- AVTN 203 - Commercial Pilot Flight II (3)
- AVTN 205 - Mountain Flying Ground (1)
- AVTN 296 - Special Topics - Safety (2)
- AVTN 296 - Special Topics - Physiology (2)
- AVTN 207 - Multi-Engine Ground (1)
- AVTN 208 - Multi-Engine Flight (1)
- Elective - Special Topics 296 (3)
- SPCH 101 - Interpersonal Communication (3)