

# AVIATION PROGRAM

## PREREQUISITES, STANDARDS AND REQUIREMENTS

### PROGRAM DESCRIPTION

The Aviation program trains individuals to work as professional pilots in the air transportation industry. The opportunities in the pilot career field are fascinating and many, and include piloting a commercial airliner, flying for a corporation providing a service to the leaders of the company, flying as a charter pilot taking passengers point-to-point, and providing flight instruction to new pilot students.

Students in the AAS Aviation degree program must earn FAA pilot certificates and ratings which require flight and simulator training as outlined below. Students in the airplane track will earn FAA Private Pilot and Commercial Pilot certificates (single and multiengine), the Instrument rating, and the Multiengine rating. The final step in the training is to earn the FAA Certified Flight Instructor certificate/ratings (CFI, CFII, MEI).

Students in the helicopter track will earn the FAA Private Pilot and Commercial Pilot certificates, the Instrument rating, and Certified Flight Instructor certificate/rating (CFI, CFII).

Additionally, an Unmanned Aerial Systems degree is available within the Aviation Program. The Aviation Unmanned Aerial Systems Operations (UAS) track trains individuals to work as professional UAS operators in the national/international arena. Students will learn to operate UAS to include: conducting mission/preflight planning, mission briefings, and programming. They will learn how to obtain and evaluate weather forecasts, Notice to Airmen (NOTAMs), Special Instructions (SPINs) and airspace requirements. Students will be taught to perform limited UAS and ground support equipment testing, troubleshooting and maintenance.

The AAS degree will only be awarded when the required courses have been successfully completed and the following certificates and ratings are obtained: Commercial Pilot certificate, and Instrument and Multiengine (airplane) ratings.

### COST OF PROGRAM

In addition to standard tuition, student fees and textbooks, students should anticipate the following program costs:

- Current cost of approximately 285 airplane or 200 helicopter hours of flight training, 50 hours of training time in our FAA-approved flight simulator, and up to 80 hours in UAS simulator. See the Aviation program director, call 541-318-3702 or go online at [www.cocc.edu](http://www.cocc.edu), for the current estimated cost of training.
- Students who do not become proficient in the time covered by the flight fees charged may incur additional flight training fees.
- All fees for the term must be paid in full by 5 p.m. on Friday of the second week of the term. Students will be dropped from flight lab course(s) if fees are not paid on time.
- Unless under unusual, nonacademic and documented circumstances simulator fees are non-refundable.
- Used portions of flight fees are non-refundable.
- Pilot headset, approximately \$350.
- FAA airman knowledge exams, \$150 per flight certificate/rating (\$1,350).

#### Airplane

- FAA Designated Pilot Examiner fees, approximately \$400 per flight certificate/rating (\$3,200).

#### Helicopter

- FAA Designated Pilot Examiner fees, approximately \$750 per flight certificate/rating (\$3,750).

### PROGRAM PREPARATION AND PREREQUISITES

Pilots are credentialed by the Federal Aviation Administration (FAA) based on Title 14 Code of Federal Regulations. Specific requirements for each pilot certificate/rating are listed in Part 61: Certification: Pilots and Instructors, and may be found in a current copy of the Federal Aviation Regulations/Aeronautical Information Manual (FAR/AIM), or online at [www.faa.gov](http://www.faa.gov).

Pilots are required to meet specific medical requirements and must possess an appropriate class of medical certificate obtained from an FAA-approved Aviation Medical Examiner (AME) before exercising the privileges of a pilot in command for the level of pilot certificate required. Specific requirements for class and duration of medical certificates may be found in the FAR Part 61, Paragraph 61.23, or online at [www.faa.gov](http://www.faa.gov).

Students who enroll in this course of study must have a valid FAA Medical Certificate and a student pilot certificate. The medical exam must be conducted by a doctor designated by the FAA as an Aviation Medical Examiner. Incoming students in the professional pilot program are encouraged to obtain at least a second-class medical certificate prior to entry into the program to ensure that they can eventually pursue a career in commercial aviation. The medical application form will ask the applicant's prior medical history, prior DUI/DUII, any record of alcohol or substance abuse, and any history of non-traffic misdemeanors or felonies.

### MINIMUM GPA OR GRADE REQUIREMENTS

- All FAA airman knowledge exams must be passed with a minimum score of 70 percent.
- All aviation program courses must be completed with a "C" grade or higher.
- Graduates must have an overall 2.0 GPA or higher.

### REGISTRATION INFORMATION

The Aviation program accepts new students every term. Applicants should contact the Aviation program director, 541-318-3702, or other aviation advisor before applying.

Applicants must arrange their finances to ensure they can pay for the flight training. Financial aid is available, but it will not cover the total cost of the program. The Aviation program is approved for veterans benefits and other federal financial aid.

### PROGRAM STANDARDS

Students must maintain a minimum 2.0 GPA while enrolled in the program. Students who do not maintain this standard may be dismissed from the program. Reinstatement to the program is never automatic. A student must apply for re-determination of eligibility by completing a training plan with their COCC advisor.

Students must be prepared to fly three to four days per week in order to maintain the rigorous schedule that is required in order to complete the flight training in a timely manner. Students who fall behind without justifiable reasons may be dismissed from the program and their flight training fees will be returned to whomever paid the fees, i.e., the financial aid office, the Department of Veterans Affairs or the individual (for private-pay students). Students using veterans benefits who fail to complete a flight lab may be required to repay the Department of Veterans Affairs for the entire cost of the course.

## **AVIATION PROGRAM** *(continued)*

### PREREQUISITES, STANDARDS AND REQUIREMENTS

#### **NATIONAL/STATE LEGAL ELIGIBILITY OR UNIQUE REQUIREMENTS FOR LICENSURE AND/OR ENTRY INTO OCCUPATION, OR ADVANCEMENT IN THE OCCUPATION**

- Pilots are credentialed by the Federal Aviation Administration and must meet the requirements of the Federal Aviation Regulations to qualify for the pilot certificates/ratings.
- FAA medical certificate required prior to beginning flight training.
- Student Pilot certificate required prior to beginning flight training.
- The FAA requires applicants pass an airman knowledge exam for pilot certificates/ratings. Those exams are administered by a third-party company and a \$150 testing fee is required.
- Pilot certificates/ratings are issued after an applicant passes a practical exam (ground oral exam and flight check) administered by a Designated Pilot Examiner (DPE) who will charge a fee for that exam.
- Background checks and random drug screening can be expected in any aviation industry position.

#### **PILOT CERTIFICATES/RATINGS AVAILABLE:**

- Private Pilot (Airplane or Helicopter)
- Instrument (Airplane or Helicopter)
- Multiengine (Airplane)      • Commercial (Airplane or Helicopter)
- Single engine (Airplane)      • Multiengine (Airplane)
- Certified Flight Instructor      • CFI (Airplane or Helicopter)
- CFII (Airplane or Helicopter)      • MEI (Airplane)
- Air Transport Pilot (ATP) (Not currently offered at COCC)

#### **TRANSFER INFORMATION**

Airplane students in particular should plan to transfer to an institution granting bachelor's degrees to enhance employment opportunities. Therefore, the program works with several universities for transfer options. The AAS degree is designed to train the student as a professional pilot. Universities that have an aviation bachelor's degree (Utah Valley University, Embry-Riddle Aeronautical University, etc.) will often accept the majority of these credits toward their degree.

Those wishing to transfer to Oregon Institute of Technology, should use the Associate of Science (AS) degree program. For information about transfer requirements at other institutions, contact the Aviation program director, 541-318-3702.

## AVIATION

Associate of Science (OIT/Technology and Management Emphasis)  
90 credits

This degree is intended to prepare students who complete COCC's Associate of Applied Science (AAS) in Aviation degree, or other technical degree, to continue on to Oregon Institute of Technology's Bachelor of Applied Science (BAS) in Technology and Management degree in order to promote career advancement into management or the aviation field. The BAS degree allows students to transfer 60 credits of career and technical education courses, in addition to the listed business, management, information technology and general education courses. This Associate of Science (AS) degree worksheet reflects the required courses at the lower division level beyond the AAS aviation courses. Students are encouraged to work closely with their COCC advisor to complete both the AAS and the AS degree.

### GENERAL EDUCATION/FOUNDATIONAL REQUIREMENTS

All courses must be completed with a "C" grade or better

#### Writing

WR 121	English Composition	4
WR 122	English Composition	4
WR 227	Technical Writing	4

#### Oral Communication

SP 111	Fundamentals of Public Speaking	3
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#### Mathematics

MTH 111	College Algebra	4
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### GENERAL EDUCATION/DISCIPLINE STUDIES

#### Arts and Letters

Choose two (2) courses from the Discipline Studies list on page 44 6-8

#### Social Science

EC 201	Microeconomics	4
EC 202	Macroeconomics	4

#### Science/Math/Computer Science

Choose one (1) lab science course from the Discipline Studies list on pages 44 and 45.

### AVIATION PROGRAM REQUIREMENTS

AV 108	Meteorology I	4
AV 208	Meteorology II	4
BA 206	Management Fundamentals I	4
BA 223	Marketing Principals I	4
BA 211	Financial Accounting I	3
BA 213	Managerial Accounting <sup>1</sup>	3
BA 226	Business Law I	4
CIS 125A	Access	4
CIS 125E	Excel	4

Additional courses to reach 30 credits, must be 100-level and above and should be chosen with the assistance of an advisor.

### ELECTIVES

Choose enough electives to reach a minimum total of 90 overall degree credits. Elective credits must be 100-level and above with a maximum of 12 CTE credits and 15 credits of CWE/HHP/performance courses. Oregon Institute of Technology's BAS degree assumes that the student has completed 60 CTE credits to apply toward the degree.

### ADVISING NOTES

<sup>1</sup> COCC recommends students to take BA 212 prior to BA 213.

