

AVIATION - PROFESSIONAL PILOT AIRPLANE - ASSOCIATE OF APPLIED SCIENCE (AAS)

Description

The Professional Pilot Airplane Associate of Applied Science trains professional pilots for the air transportation industry. There are many fascinating work opportunities, including 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 student pilots.

Upon satisfactory completion of prescribed flight elements, students in the airplane track will be eligible to earn the following Federal Aviation Administration ratings/certificates: Private Pilot, Commercial Pilot, Instrument, Certified Flight Instructor, Certified Flight Instructor Instrument, Multi-Engine Commercial, and Multi-Engine Instructor.

Program Learning Outcomes

Upon successful completion of the degree, students will be able to:

1. Demonstrate skills necessary to independently operate fixed wing aircraft safely and proficiently.
2. Recall fixed wing aviation knowledge commensurate with level of qualification.
3. Demonstrate the ability to develop fixed wing aviation lesson plans.
4. Demonstrate the ability to teach from a lesson plan in a clear and effective manner (one-on-one and in small classroom settings).
5. Demonstrate the ability to deliver practical fixed wing flight training.

Entrance Requirements

Academic Entrance Requirements

There are no formal academic entrance requirements for the Professional Pilot Airplane AAS.

Other Entrance Requirements

Students who enroll in this course of study must have a valid Federal Aviation Administration (FAA) Medical Certificate and a student pilot certificate. A doctor designated by the FAA as an aviation medical examiner must conduct the medical exam. Incoming students are encouraged to obtain at least a second-class medical certificate before entering the program to ensure that they can eventually pursue a career in commercial aviation. The medical application form asks about the applicant's prior medical history, prior DUI/DUII records, records of alcohol or substance abuse, and history of non-traffic misdemeanors and felonies.

Additional Costs (Beyond Standard Tuition/Fees and Textbooks)

All fees for the term must be paid in full by 5 p.m. on Friday of the second week of the term. Unless under unusual nonacademic and documented circumstances, simulator fees are non-refundable. Used portions of flight fees are non-refundable. Licensure fees are non-refundable.

Fees:

- Pilot headset: approximately \$350
- AV 112 Technically Advanced Aircraft: \$650

- Flight labs (authorized aircraft and hourly rates for airplane aircraft C-172, C-182, Seminole, Bonanza, Baron, Decathlon, flight training device)
 - AV 222A Private Pilot I Airplane Flight Lab (AV 110 Private Pilot - Airplane)
 - Cessna 172
 - 16 hours pre- and post-instruction at \$35/hour: \$560
 - 18 hours dual flight at \$235/hour: \$4,230
 - 5 hours dual flight training device at \$125/hour: \$625
 - Total: \$5,415
 - Total flight hours: 23 (1 credit)
 - AV 222B Private Pilot II Airplane Flight Lab (AV 110 Private Pilot - Airplane)
 - Cessna 172
 - 14 hours pre- and post-instruction at \$35/hour: \$490
 - 19 hours dual flight at \$235/hour: \$4,465
 - 3 hours solo flight at \$200/hour: \$600
 - 3 hours dual flight training device at \$125/hour: \$375
 - Written exam: \$175
 - Total: \$6,105
 - Total flight hours: 25 (1 credit)
 - AV 222C Private Pilot III Airplane Flight Lab (AV 110 Private Pilot - Airplane)
 - Cessna 172
 - 11 hours pre- and post-instruction at \$35/hour: \$385
 - 13 hours dual flight at \$235/hour: \$3,055
 - 7 hours solo flight at \$200/hour: \$1,400
 - Designated Pilot Examiner: \$700
 - Total: \$5,540
 - Total flight hours: 20 (1 credit)
 - AV 222D Instrument Pilot I Airplane Flight Lab (AV 210 Instrument - Airplane)
 - Cessna 172
 - 13 hours pre- and post-instruction at \$35/hour: \$455
 - 20 hours dual flight at \$235/hour: \$4,700
 - 10 hours dual flight training device at \$125/hour: \$1,250
 - Written exam: \$175
 - Total: \$6,580
 - Total flight hours: 30 (1 credit)
 - AV 222E Instrument Pilot II Airplane Flight Lab (AV 210 Instrument - Airplane)
 - Cessna 172
 - 13 hours pre- and post-instruction at \$35: \$455
 - 20 hours dual flight at \$235/hour: \$4,700
 - 12 hours dual flight training device at \$125/hour: \$1,500
 - Designated Pilot Examiner fee: \$700
 - Total: \$7,355
 - Total flight hours: 32 (1 credit)
 - AV 222F Commercial Pilot I Airplane Flight Lab (AV 220 Commercial Pilot-Airplane)

- Cessna 172
- 15 hours pre- and post-instruction at \$35/hour: \$525
- 25 hours dual flight at \$235/hour: \$5,875
- 16 hours solo flight at \$200/hour: \$3200
- 11 hours dual flight training device at \$125/hour: \$1,375
- Written exam: \$175
- Total: \$11,150
- Total flight hours: 52 (1 credit)
- AV 222G Commercial Pilot II Airplane Flight Lab (AV 220 Commercial Pilot-Airplane)
 - Cessna 172, Bonanza
 - 20 hours pre- and post-instruction at \$35/hour: \$700
 - 15 hours dual flight at \$235/hour: \$3,525
 - 15 hours, dual flight at \$315/hour: \$4,725
 - 27 hours solo flight at \$200/hour: \$5,400
 - 11 hours dual flight training device at \$125/hour: \$1,375
 - Designated Pilot Examiner fee: \$700
 - Total: \$16,425
 - Total flight hours: 68 (1 credit)
- AV 222H Commercial Multi Engine Pilot Airplane Flight Lab (AV 220 Commercial Pilot-Airplane)
 - Baron
 - 10 hours pre- and post-instruction at \$35/hour: \$350
 - 20 hours dual flight at \$455/hour: \$9,100
 - Designated Pilot Examiner fee: \$700
 - Total: \$10,150
 - Total flight hours: 20 (1 credit)
- AV 222I Certified Flight Instructor I Airplane Flight Lab (AV 250 Certified Flight Instructor-Airplane)
 - Cessna 172
 - 25 hours pre- and post-instruction at \$35/hour: \$875
 - 18 hours dual flight at \$235/hour: \$4,230
 - 5 hours solo flight at \$200/hour: \$1,000
 - 5 hours dual flight training device at \$125/hour: \$625
 - Written exams: \$350
 - Designated Pilot Examiner fee: \$850
 - Total: \$7,930
 - Total flight hours: 28 (1 credit)
- AV 222J Certified Flight Instructor II Airplane Flight Lab (AV 250 Certified Flight Instructor-Airplane)
 - Cessna 172
 - 12 hours pre- and post-instruction at \$35/hour: \$420
 - 10 hours dual flight at \$235/hour: \$2,350
 - 8 hours dual flight training device at \$125/hour: \$1000
 - Written exam: \$175
 - Designated Pilot Examiner fee: \$700
 - Total: \$4,645
 - Total flight hours: 18 (1 credit)
- AV 222K Multi Engine Instructor Pilot Airplane Flight Lab (AV 220 Commercial Pilot-Airplane)
 - Baron
 - 10 hours pre- and post-instruction at \$35/hour: \$350
 - 20 hours dual flight at \$455/hour: \$9,100

- Designated Pilot Examiner fee: \$700
- Total: \$10,150
- Total flight hours: 20 (1 credit)

Course Requirements

Course	Title	Credits
Core Courses		
AV 101	Introduction to Aviation ¹	3
AV 104	Introduction to Aircraft Systems ¹	4
AV 108	Aviation Meteorology ¹	5
AV 110	Private Pilot - Airplane ²	5
AV 112	Technically Advanced Aircraft	3
AV 116	Airplane Fundamentals	3
AV 150	Aerodynamics ¹	4
AV 200	Aviation Law ¹	3
or AV 201	Airport Management	
AV 204	Advanced Aircraft Systems ¹	4
AV 210	Instrument - Airplane	5
AV 220	Commercial Pilot-Airplane	4
AV 235	Human Factors ¹	4
AV 246	Aviation Safety ¹	4
AV 250	Certified Flight Instructor-Airplane	5
Airplane Flight Labs ³		11
AV 222A	Private Pilot I Airplane Flight Lab	
AV 222B	Private Pilot II Airplane Flight Lab	
AV 222C	Private Pilot III Airplane Flight Lab	
AV 222D	Instrument Pilot I Airplane Flight Lab	
AV 222E	Instrument Pilot II Airplane Flight Lab	
AV 222F	Commercial Pilot I Airplane Flight Lab	
AV 222G	Commercial Pilot II Airplane Flight Lab	
AV 222H	Commercial Multi Engine Pilot Airplane Flight Lab	
AV 222I	Certified Flight Instructor I Airplane Flight Lab	
AV 222J	Certified Flight Instructor II Airplane Flight Lab	
AV 222K	Multi Engine Instructor Pilot Airplane Flight Lab	
Other Required Courses		
BA 101Z	Introduction to Business	4
or BA 206	Management Fundamentals I	
BA 285	Business Human Relations	3-4
or COMM 218Z	Interpersonal Communication	
CIS 120	Computer Concepts (Computer Competency Test)	0-4
Discipline Studies Courses		9
MTH 102	Applied Technical Mathematics (or choose one course from the foundational requirements math list)	4
WR 121Z	Composition I ⁴	3-4
or BA 214	Business Communications	
Total Credits		90-96

¹ May be taken in any order, in any term and may be taken before, with or after the flight courses.

² Must be taken as the first flight course. May be taken any term.

³ Flight fees, simulator fees and FAA testing fees are required in addition to normal tuition for all flight labs and must be paid by the end of

the second week of the term. Used portions of flight fees are not refundable. Contact the Aviation program director for more information.

⁴ WR 121Z Composition I is recommended for students who plan to pursue a bachelor's degree.

Advising Notes

Airplane students 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 is designed to train the student as a professional pilot. Universities that have an aviation bachelor's degree (Embry-Riddle Aeronautical University) 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 degree. For information about transfer requirements at other institutions, contact the program director at 541-318-3702.

Performance Standards

- Academic Requirements:
 - Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.
 - Students must maintain a minimum 2.0 GPA while enrolled in the program. Students who do not maintain this standard and desire to continue the program, require completion of a training plan approved by their COCC advisor.
 - All courses in the program must be completed with a grade of C or higher.
- Additional Requirements:
 - 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.
 - FAA medical certificate required prior to beginning flight training.
 - Pilots are credentialed by the Federal Aviation Administration (FAA) and must meet the requirements of the Federal Aviation Regulations to qualify for the pilot certificates/ratings.
 - Background checks and random drug screening can be expected in any aviation industry position.

Sample Plan

First Term		Credits
AV 101	Introduction to Aviation	3
AV 110	Private Pilot - Airplane	5
AV 116	Airplane Fundamentals	3
AV 222A	Private Pilot I Airplane Flight Lab	1
AV 222B	Private Pilot II Airplane Flight Lab	1
Credits		13
Second Term		
AV 104	Introduction to Aircraft Systems	4
AV 150	Aerodynamics	4

AV 222C	Private Pilot III Airplane Flight Lab	1
MTH 102	Applied Technical Mathematics (or choose one course from the foundational requirements math list)	4

Credits 13

Third Term

AV 200 or AV 201	Aviation Law or Airport Management	3
AV 210	Instrument - Airplane	5
AV 222D	Instrument Pilot I Airplane Flight Lab	1
WR 121Z or BA 214	Composition I or Business Communications	3-4

Credits 12-13

Fourth Term

AV 108	Aviation Meteorology	5
AV 112	Technically Advanced Aircraft	3
AV 222E	Instrument Pilot II Airplane Flight Lab	1
CIS 120	Computer Concepts	4

Credits 13

Fifth Term

AV 220	Commercial Pilot-Airplane	4
AV 222F	Commercial Pilot I Airplane Flight Lab	1
BA 101Z or BA 206	Introduction to Business or Management Fundamentals I	4
Discipline Studies Course		3

Credits 12

Sixth Term

AV 204	Advanced Aircraft Systems	4
AV 222G	Commercial Pilot II Airplane Flight Lab	1
AV 235	Human Factors	4
BA 285 or COMM 218Z	Business Human Relations or Interpersonal Communication	3-4

Credits 12-13

Seventh Term

AV 222I	Certified Flight Instructor I Airplane Flight Lab	1
AV 246	Aviation Safety	4
AV 250	Certified Flight Instructor-Airplane	5
Discipline Studies Course		3

Credits 13

Eighth Term

AV 222H	Commercial Multi Engine Pilot Airplane Flight Lab	1
AV 222J	Certified Flight Instructor II Airplane Flight Lab	1
AV 222K	Multi Engine Instructor Pilot Airplane Flight Lab	1
Discipline Studies Course		3

Credits 6

Total Credits 94-96