

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

Program Description

The Aviation - Professional Pilot Airplane AAS 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, providing flight instruction to new student pilots, and operating autonomous aerial vehicles.

Students in the airplane track will be eligible to earn the FAA Private Pilot and Commercial Pilot certificates (single and multiengine), the Instrument rating, the Multiengine rating, and Certified Flight Instructor certificate/ratings (CFI, CFII, MEI) upon satisfactory completion of the prescribed flight elements. Training will be conducted under Federal Aviation Regulations Part 61

Learning Outcomes

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 Aviation - Professional Pilot Airplane AAS.

Other Entrance Requirements

- Required:
- Students who enroll in this course of study must have a valid 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 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.

Additional Program 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.

- Pilot headset, approximately \$350.
- Flight Labs: Authorized Aircraft and Hourly Rates: Airplane Aircraft: C-172, C-182, Seminole, Bonanza, Baron, Decathlon, FTD
 - AV222A Airplane Flight Lab, Private Pilot (AV110)
 - Cessna 172
 - 16 hrs. Pre/Post Instruction @ \$35 = \$560
 - 18 hrs. Dual flight @ \$214 = \$3,852
 - 2 hrs. Dual FTD @ \$125 = \$250
 - Total = \$4,662.00
 - Total Flight Hrs. = 20 hrs. (1 credit)
 - AV222B Airplane Flight Lab, Private Pilot (AV110)
 - Cessna 172
 - 14 hrs. Pre/Post Instruction @ \$35 = \$490
 - 15 hrs. Dual flight @ \$214 = \$3,210
 - 7 hrs. Solo flight @ \$179=\$1253
 - 3 hrs. Dual FTD @ \$125 = \$375
 - Written Exam: \$160
 - Total = \$5,488.00
 - Total Flight Hrs. =23 hrs. (1 credit)
 - AV222C Airplane Flight Lab, Private Pilot (AV110)
 - Cessna 172
 - 11 hrs. Pre/Post Instruction @ \$35 = \$385
 - 17 hrs. Dual flight @ \$214 = \$3,638
 - 3 hrs. Solo flight @ \$179=\$1,537
 - 3 hrs. Dual FTD @ \$125 = \$375
 - DPE Fee: \$450
 - Total = \$5,385.00
 - Total Flight Hrs. =23 hrs. (1 credit)
 - AV222D Airplane Flight Lab, Instrument Pilot (AV210)
 - Cessna 172
 - 13 hrs. Pre/Post Instruction @ \$35 = \$455
 - 20 hrs. Dual flight @ \$214 = \$4,280
 - 10 hrs. Dual FTD @ \$125 = \$1,250
 - Written Exam: \$160
 - Total = \$6,145.00
 - Total Flight Hrs. =30 hrs. (1 credit)
 - AV222E Airplane Flight Lab, Instrument Pilot (AV210)
 - Cessna 172
 - 13 hrs. Pre/Post Instruction @ \$35 = \$455
 - 20 hrs. Dual flight @ \$214 = \$4,280
 - 12 hrs. Dual FTD @ \$125 = \$1,500
 - DPE Fee: \$450
 - Total = \$6,685.00
 - Total Flight Hrs. =32 hrs. (1 credit)
 - AV222F Airplane Flight Lab, Commercial Pilot (AV220)

- Cessna 172
- 8 hrs. Pre/Post Instruction @ \$35 = \$280
- 10 hrs. Dual flight @ \$214 = \$2,140
- 45 hrs. Solo flight @ \$179=\$8,055
- 12 hrs. Dual FTD @ \$125 = \$1,500
- Total = \$11,975.00
- Total Flight Hrs. =67 hrs. (1 credit)
- AV222G Airplane Flight Lab, Commercial Pilot (AV220)
 - Cessna 172, Cessna 182, Bonanza
 - 12 hrs. Pre/Post Instruction @ \$35 = \$420
 - 15 hrs. Dual flight @ \$214 = \$3,210
 - 20 hrs, Dual flight @ \$265=\$5,300
 - 30 hrs. Solo flight @ \$179=\$5,370
 - 12 hrs. Dual FTD @ \$125 = \$1,500
 - Written Exam: \$160
 - DPE Fee: \$450
 - Total = \$16,410.00
 - Total Flight Hrs. =77 hrs. (1 credit)
- AV222I Airplane Flight Lab, Certified Flight Instructor (AV250)
 - Cessna 172
 - 25 hrs. Pre/Post Instruction @ \$35 = \$875
 - 25 hrs, Dual flight @ \$214=\$5,350
 - 5hrs. Solo flight @ \$179= \$895
 - 5 hrs. Dual FTD @ \$125= \$625
 - Written Exam: \$320
 - DPE Fee: \$650
 - Total = \$8,715.00
 - Total Flight Hrs. =35 hrs. (1 credit)
- AV222J Airplane Flight Lab, Certified Flight Instructor (AV250)
 - Cessna 172
 - 12 hrs. Pre/Post Instruction @ \$35 = \$420
 - 15 hrs. Dual flight @ \$214 = \$3,210
 - 6 hrs. Dual FTD @ \$125 = \$750
 - Written Exam: \$160
 - DPE Fee: \$450
 - Total = \$4,990.00
 - Total Flight Hrs. =21 hrs. (1 credit)
- AV222K Airplane Flight Lab, Multi Engine Pilot (AV230)
 - Baron, Seminole
 - 10 hrs. Pre/Post Instruction @ \$35 = \$350
 - 20 hrs. Dual flight @ \$425 = \$8,500
 - DPE Fee: \$450
 - Total = \$9,300.00
 - Total Flight Hrs. =20 hrs. (1 credit)
- AV222H Airplane Flight Lab, Multi Engine Pilot (AV230)
 - Baron, Seminole
 - 10 hrs. Pre/Post Instruction @ \$35 = \$350
 - 20hrs. Dual flight @ \$425 = \$8,500
 - DPE Fee: \$450

- Total = \$9,300.00
- Total Flight Hrs. =20 hrs. (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	Meteorology I ¹	4
AV 110	Private Pilot - Airplane ²	5
AV 112	Technically Advanced Aircraft	2
AV 150	Aerodynamics ¹	4
AV 200	Aviation Law ¹	3
or AV 201	Airport Management	
AV 204	Advanced Aircraft Systems ¹	4
AV 208	Meteorology II ¹	4
AV 210	Instrument - Airplane ⁴	5
AV 220	Commercial Pilot-Airplane ⁴	4
AV 230	Multiengine Pilot ⁴	2
AV 235	Human Factors ¹	4
AV 246	Aviation Safety ¹	3
AV 250	Certified Flight Instructor-Airplane ⁴	5
Airplane Flight Labs ³		11
AV 222A	Airplane Flight Lab	
AV 222B	Airplane Flight Lab	
AV 222C	Airplane Flight Lab	
AV 222D	Airplane Flight Lab	
AV 222E	Airplane Flight Lab	
AV 222F	Airplane Flight Lab	
AV 222G	Airplane Flight Lab	
AV 222H	Airplane Flight Lab	
AV 222I	Airplane Flight Lab	
AV 222J	Airplane Flight Lab	
AV 222K	Airplane Flight Lab	
Other Required Courses		
BA 206	Management Fundamentals I	4
or BA 101	Introduction to Business	
BA 285	Business Human Relations	3
or COMM 218	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 121	Academic Composition ⁵	3-4
or BA 214	Business Communications	
Total Credits		90-95

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, 541.318.3702, for more information.

⁴ The Instrument Airplane course AV 210 Instrument - Airplane, Commercial Airplane course AV 220 Commercial Pilot-Airplane and Certified Flight Instructor course AV 250 Certified Flight Instructor-Airplane shall be completed before the Multi-engine Pilot course AV 230 Multiengine Pilot can be taken.

⁵ WR 121 Academic Composition is recommended for students who plan to pursue a bachelor's degree.

Advising Notes

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 (Eastern Kentucky 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.

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.
 - 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 (FAA) 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. A third-party company administers those exams and a \$160 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.

Sample Plan

First Term		Credits
AV 101	Introduction to Aviation	3
AV 104	Introduction to Aircraft Systems	4
AV 110	Private Pilot - Airplane	5
AV 222A	Airplane Flight Lab	1
AV 222B	Airplane Flight Lab	1
Credits		14
Second Term		
AV 108	Meteorology I	4
AV 222C	Airplane Flight Lab	1
AV 246	Aviation Safety	3
MTH 102	Applied Technical Mathematics (choose one course from the foundational requirements math list)	4
Credits		12
Third Term		
WR 121 or BA 214	Academic Composition Business Communications	3-4
AV 112	Technically Advanced Aircraft	2
AV 210	Instrument - Airplane	5
AV 222D	Airplane Flight Lab	1
AV 222E	Airplane Flight Lab	1
Credits		12-13
Fourth Term		
AV 204	Advanced Aircraft Systems	4
AV 222F	Airplane Flight Lab	1
BA 285 or COMM 218	Business Human Relations Interpersonal Communication	3
CIS 120	Computer Concepts (Computer Competency Test)	0-4
AV 200 or AV 201	Aviation Law Airport Management	3
Credits		11-15
Fifth Term		
AV 150	Aerodynamics	4
AV 220	Commercial Pilot-Airplane	4
AV 222G	Airplane Flight Lab	1
BA 101 or BA 206	Introduction to Business Management Fundamentals I	4
Credits		13

Sixth Term

AV 230	Multiengine Pilot	2
AV 222I	Airplane Flight Lab	1
AV 222J	Airplane Flight Lab	1
Discipline Studies Course		3
Discipline Studies Course		3
Discipline Studies Course		3
Credits		13

Seventh Term

AV 208	Meteorology II	4
AV 235	Human Factors	4
AV 250	Certified Flight Instructor-Airplane	5
AV 222H	Airplane Flight Lab	1
AV 222K	Airplane Flight Lab	1
Credits		15
Total Credits		90-95