

Aviation Airplane Associate of Applied Science Degree







AAS Aviation Airplane program trains students to work as **professional pilots** in either the air transportation industry. **Career paths** with this degree include the following: commercial pilot, pilot for a private corporation, charter pilot, and flight instructor to new student pilots.

The AAS Aviation Airplane degree program is designed to **produce high-quality graduates** who are prepared to enter the field as aviation pilots. This field **offers high-wage careers** that are global in scope. The degree provides students with the **mandatory flight hours** along with industry-specified instruction.

Instruction takes place in a **one-to-one student-to-instructor** learning environment to ensure that students acquire the academic knowledge necessary to be a safe pilot and to **pass the FAA knowledge exams**. Federal Aviation Regulations 14 CFR parts 61 and 141 **set forth the qualifications**, testing, and certification requirements for pilots, flight instructors, and ground instructors.

Program Learning Outcomes

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

-  Summarize the test standards and information in order to pass the FAA check ride and obtain: private pilot certification, instrument rating, commercial pilot certification, certified flight instructor certification, and certified instrument flight instructor rating, multiengine instructor rating.
-  Perform calculations required for flight operations.
-  Identify principles of flight pertaining to single-engine and multiengine fixed-wing aircraft.
-  Use communication skills effectively face-to-face and over the radio.
-  Evaluate pilot fitness and proficiency, aircraft airworthiness and capabilities, and environmental conditions prior to each flight.
-  Explain aviation regulations and how they pertain to airport operating procedures, crew rest requirements, general operating flight rules, and flight operations.

In addition to learning more about the world around you and creating memories along the journey, learning to fly **builds character**. The process gives the student a sense of self and develops confidence.

Program Completion Requirements

The Aviation Program Director will review candidates' academic history, transcripts from high school and/or college, and math and writing competency. Candidates will be advised of their next steps regarding their math and writing placement. Next steps may include taking a placement test or immediately enrolling in appropriate courses. **Candidates for the program must satisfactorily complete all requirements, including a minimum of 92 credits, with 21 credits of general education, 56 credits of technical core subjects, and 15 credits of aviation electives.** Successful pursuit of this program requires students to possess collegiate skills in reading, communication, computation, and critical thinking. All courses, with the exception of flight and ground courses, are available online. **Students must complete all technical core subject courses (including all flight/ground courses) with a grade of "C" or higher in order to move onto the next flight phase.**

Number of credit hours necessary for completion: 92

Admission Requirements

Candidates considering the Aviation Airplane AAS degree should **contact the Aviation Program Director at 541-880-2263.** The program has special admission requirements, and the Aviation Program Director will forward the application to interested candidates. The application has a number of **requirements that must be satisfied** before the candidate will be admitted into the program. If some of the requirements are not completed, a prospective aviation **student may start introductory aviation classes**, but a student must be accepted into the program before they can begin ground and flight courses. **All applicants who are accepted into the program will receive an orientation.**

Admission Required Documents

Drivers License (Front and Back)

2nd Class Aviation Medical Certificate

Birth Certificate or Passport

Previous Transcripts

Veteran Funded Students will also need a COE (Certificate of Eligibility)

High School Diploma or GED or Higher Certificate

Airplane Required Courses

Student Success

 CGS 100 - College Survival & Success 3.00 Credit

Communications


 CAS 133 - Intro to Computing Skills 3.00 Credits

 CAS 133L - Intro to Computing Skills Lab 1.00 Credit

Students must **select one course** to complete this general education requirement.

 COM 111M - Fundamentals of Speech 5.00 Credits

 COM 111Z - Public Speaking 4.00 credits

 COM 218Z - Interpersonal Communication 4.00 credits


Writing

Students must **select only one** of these courses below to fulfill this general education requirement.

 WRI 117 - Intro to Technical Communication 4.00 Credits

 WRI 121Z - Composition I 4.00 credits

 WRI 121 - English Composition I 4.00 Credits

 WRI 121M - English Composition I 5.00 Credits

Computation


Students must **select only one** of these courses below to fulfill this general education requirement.

 MTH 060 - Introductory Algebra I 4.00 Credits


 MTH 070 - Elementary Algebra 4.00 Credits

 MTH 065 - Introductory Algebra II 4.00 Credits

 MTH 095 - Intermediate Algebra 4.00 Credits

 MTH 105 - Math in Society 4.00 Credits

 MTH 111 - College Algebra 5.00 Credits

 MTH 105M - Math in Society 5.00 Credits

 MTH 105Z - Math in Society 4.00 credits

 MTH 111Z - Precalculus I: Functions 4.00 credits

Social Sciences

Students must **select only one** of these courses below to fulfill this general education requirement.

 PSY 201A - General Psychology I 3.00 Credits


 PSY 201M - General Psychology I 5.00 Credits

 PSY 202A - General Psychology II 3.00 Credits

 PSY 202M - General Psychology II 5.00 Credits

 PSY 203A - General Psychology III 3.00 Credits

 PSY 203M - General Psychology III 5.00 Credits

 PSY 101 - Psychology & Human Relations 3.00 Credits

 BUS 285 - Human Relations in Organizations 3.00 Credits

Technical Core Flight and Ground Courses

(Students must earn a letter grade of "C" or higher to complete these courses)

- ✈ AVS 112F - Private Pilot I Flight Airplane 2.00 Credits
- ✈ AVS 112G - Private Pilot I Airplane 3.00 Credits (Ground)
- ✈ AVS 117F - Private Pilot II Flight Airplane 1.00 Credits
- ✈ AVS 117G - Private Pilot II Airplane 2.00 Credits (Ground)
- ✈ AVS 202F - Instrument Flight Airplane 3.00 Credits
- ✈ AVS 202G - Instrument Airplane 4.00 Credits (Ground)
- ✈ AVS 207F - Commercial Flight Airplane 5.00 Credits
- ✈ AVS 207G - Commercial Airplane 3.00 Credits (Ground)
- ✈ AVS 212F - CFI Flight Airplane 1.00 Credit
- ✈ AVS 212G - CFI Airplane 4.00 Credits (Ground)
- ✈ AVS 217F - CFII Flight Airplane 1.00 Credit
- ✈ AVS 217G - CFII Airplane 2.00 Credits (Ground)
- ✈ AVS 222 - Multiengine Instructor 1.00 Credit

Technical Core Distance Education Courses

(Students must earn a letter grade of "C" or higher to complete these courses)

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|--|---|
| ✈ AVS 100 - Intro into Aviation <u>4.00 Credits</u> | ✈ AVS 105 - Aviation Fundamentals <u>4.00 Credits</u> |
| ✈ AVS 150 - Meteorology <u>4.00 Credits</u> | ✈ AVS 155 - Applied Aerodynamics <u>4.00 Credits</u> |
| ✈ AVS 251 - Aviation Law & Regulations <u>4.00 Credits</u> | ✈ AVS 252 - Human Factors <u>4.00 Credits</u> |

Electives

Students must select five courses in this requirement. 15 Credits

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|---|--|
| ✈ AVS 125 - Aircraft Systems: Powerplant <u>3.00 Credits</u> | ✈ AVS 254 - Aviation Safety <u>3.00 Credits</u> |
| ✈ AVS 130 - History of Aviation <u>3.00 Credits</u> | ✈ BUS 206 - Management Fundamentals <u>3.00 Credits</u> |
| ✈ BUS 101 - Intro to Business <u>4.00 Credits</u> | ✈ BUS 206M - Management Fundamentals <u>5.00 Credits</u> |
| ✈ ECO 202 - Principles of Economics: Macro <u>3.00 Credits</u> | ✈ ECO 201 - Principles of Economics: Micro <u>3.00 Credits</u> |
| ✈ AVS 140 - Intro to Unmanned Aerial Systems <u>3.00 Credits</u> | |
| ✈ AVS 120 - Aircraft Systems & Structures: Airframe <u>3.00 Credits</u> | |

TERM 2024-2025	SUMMER 2024	FALL 2024	WINTER 2025	SPRING 2025	SUMMER 2025
Classes Begin	24 June 2024 Monday	30 September 2024 Monday	06 January 2024 Monday	31 March 2024 Monday	30 June 2024 Monday
Last Day to Drop a Class for Full Refund and Last Day to Add a Class	28 June 2024 Friday	04 October 2024 Friday	10 January 2025 Friday	04 April 2025 Friday	04 July 2025 Friday
Last Day to Withdrawal From A Class	9 Week Term 02 August 2024 Friday 11 Week Term 16 August 2024 Friday	22 November 2024 Friday	28 February 2025 Friday	23 May 2025 Friday	9 Week Term 08 August 2025 Friday 11 Week Term 22 August 2025 Friday
Last Day of the Term	9 Week Term 23 August 2024 Friday 11 Week Term 06 September 2024 Friday	13 December 2024 Friday	21 March 2024 Friday	13 June 2024 Friday	29 August 2024 Friday

IMPORTANT DATES

Aviation Online Courses

SU24 FA24 WI25 SP25

AVS 100 - Intro into Aviation <u>4.00 Credits</u>	X	X	X	X
AVS 105 - Aviation Fundamentals <u>4.00 Credits</u>	X	X	X	X
AVS 120 - Aircraft Systems & Structures: Airframe <u>3.00 Credits</u>		X		
AVS 125 - Aircraft Systems: Powerplant <u>3.00 Credits</u>	X			X
AVS 130 - History of Aviation <u>3.00 Credits</u>	X			X
AVS 140 - Intro to Unmanned Aerial Systems <u>3.00 Credits</u>	X		X	
AVS 150 - Meteorology <u>4.00 Credits</u>	X			X
AVS 155 - Applied Aerodynamics <u>4.00 Credits</u>			X	
AVS 251 - Aviation Law & Regulations <u>4.00 Credits</u>		X		
AVS 252 - Human Factors <u>4.00 Credits</u>			X	
AVS 254 - Aviation Safety <u>3.00 Credits</u>		X		

These are the aviation focused courses that are **offered online** through Klamath Community College's online teaching system. Enrolled students will **meet with an advisor** in the aviation department. The appointed advisor will aid students in creating an academic plan to schedule when these classes will be taken. The neat fact about doing this unique program is that while students are participating in the challenges of flight school these classes **reinforce** what they are learning to **become certified professional pilots**, benefiting students during their adventurous and unforgettable journey. During a students time enrolled in our aviation program they will complete a certain amount of flight hours and ground hours with our partner **Pureflight Training**.

Airplane Flight and Ground Hours

Course	Dual	Solo	ME Dual	Simulator	Ground	Pre/Post	Total
Private I	35.0	3.5	0.0	0.0	28.0	9.6	76.1
Private II	15.0	6.5	0.0	0.0	17.0	5.4	43.9
Instrument	33.8	0.0	0.0	11.2	45.0	11.0	101.0
Commercial	34.0	33.0	13.0	0.0	35.0	20.0	135.0
CFI	25.0	0.0	0.0	0.0	40.0	6.0	71.0
CFII	18.0	0.0	0.0	0.0	22.0	4.0	44.0
MEI	15.0	0.0	0.0	0.0	15.0	3.0	33.0

The total amount of **flight hours** a student will receive while enrolled in this program is **231.8 hours**. The total amount of **ground hours** a student will receive while enrolled in this program is **202.0 hours**. The total amount of **flight, pre/post, and ground hours** a student will receive while enrolled in this program is **504.0 hours**.

Airplane Students will earn a **Multi Engine Certification** while enrolled in this course as well as **Multi Engine instructor (MEI)**









Airplane Course FeesUPDATED SUMMER 2024

AVS 112F - Private Pilot I (Flight) 2 Credits	\$9,195.30
AVS 112G - Private Pilot I (Ground) 3 Credits	\$1,784.72
AVS 117F - Private Pilot II (Flight) 1 Credit	\$6,047.80
AVS 117G - Private Pilot II (Ground) 2 Credits	\$1,263.58
AVS 202F - Instrument (Flight) 3 Credits	\$11,133.80
AVS 202G - Instrument (Ground) 4 Credits	\$3,330.00
AVS 207F - Commercial (Flight) 5 Credits	\$22,390.00
AVS 207G - Commercial (Ground) 3 Credits	\$2,630.00
AVS 212F - Certified Flight Instructor (Flight) 1 Credit	\$7,495.00
AVS 212G - Certified Flight Instructor (Ground) 4 Credits	\$3,160.00
AVS 217F - Certified Flight Instructor Instrument (Flight) 1 Credit	\$5,710.00
AVS 217G - Certified Flight Instructor Instrument (Ground) 2 Credits	\$1,720.00
AVS 222 - Multiengine Instructor 1 Credit	\$8,168.42
Total Cost (F/G courses) (32 Credits)	\$84,028.62
KCC Tuition and Fees (F/G courses)	\$6,142.00
Distance Education plus KCC Tuition and Fees (60 credits)	\$9,660.00
Estimated Airplane Associate of Applied Science Degree Cost	\$99,830.62

You haven't seen a tree until you've seen its shadow from the sky.

-Amelia Earhart

Possible Lenders

 LendKey Fixed Rates ⓘ 3.99% - 11% APR (888) 549-9050 VIEW	 SoFi Refinance Loans Fixed Rates ⓘ Variable Rates ⓘ 3.49% - 7.48% APR 1.74% - 7.48% APR 866.357.6342 VIEW	 Sallie Mae Fixed Rates ⓘ Variable Rates ⓘ 3.75% - 13.72% APR 3.37% - 13.72% APR (866) 972-5004 VIEW
 Provident Credit Union Fixed Rates ⓘ Variable Rates ⓘ 3.75% - 13.72% APR 3.37% - 13.72% APR 866-284-3069 VIEW	 Rogue Credit Union Fixed Rates ⓘ Variable Rates ⓘ 3.75% - 13.72% APR 3.37% - 13.72% APR 833-556-6373 VIEW	 Elevations Credit Union Fixed Rates ⓘ Variable Rates ⓘ 3.75% - 13.72% APR 3.37% - 13.72% APR 866-284-3069 VIEW
 MEFA Fixed Rates ⓘ 4.89% - 6.99% APR 800-449-MEFA (6332) VIEW		
 Affinity Federal Credit Union Fixed Rates ⓘ Variable Rates ⓘ 3.75% - 13.72% APR 3.37% - 13.72% APR 844-359-4404 VIEW		

These are **lenders** who have assisted with **financial aid** before and helped students **get loans** to pay for the program.

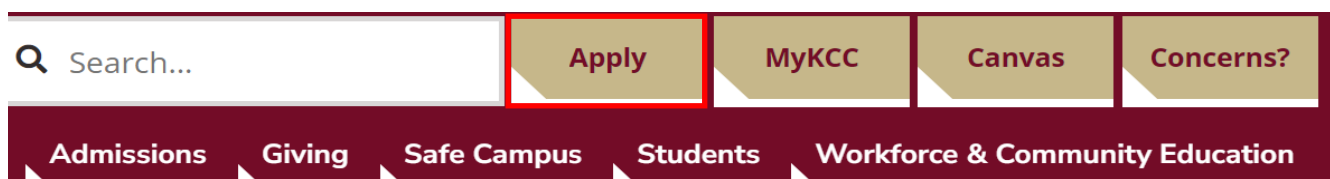
Useful Contacts

Financial Aid	542-880-2352	finaid@klamathcc.edu
Technology Help Desk	541-880-2226	is.helpdesk@klamathcc.edu
Testing Center	541-880-2334	testingcenter@klamathcc.edu
VA Department	541-880-2389	appolonio@klamathcc.edu

KCC Websites

My KCC	https://mykcc.klamathcc.edu
KCC Main Site	https://www.klamathcc.edu

To apply for the aviation degree program with KCC please navigate to our online application page at the KCC main site as listed above and click on Apply.



Aviation Department at Klamath Community College

541-880-2263

aviation@klamathcc.edu

Building 4 Room 421