

## Aviation Technology: Fixed-Wing - Associate of Applied Science Degree (Oregon)

Department: Career and Technical Education

Advisor: Julie Lynch (541) 881-5975

(Major Code: 2048)

Lead Flight Instructor (Interim): Charlotte Hatch, [chatch@tvcc.cc](mailto:chatch@tvcc.cc)

### Program Overview

TVCC provides pilot training for Private, Instrument, Commercial, Multi-Engine, Certified Flight Instructor (CFI) and Certified Flight Instructor for Instrument (CFII) training under 14 CFR Part 61 and as an accredited institution under NWCCA. This degree provides training for employment as professional pilots in the aircraft industry. Upon successful completion, students will be able to seek work in the industry as qualified pilots at entry level aircraft/airplane jobs. This will provide opportunities for graduates to progress on to more advanced and high paying airplane jobs in the future. This degree is designed for students wishing to enter the workforce or continue toward a four year degree and work in the airline industry. It is an AAS degree which is not specifically designed to transfer to a four-year institution, although some courses are transferable. If a student wishes to work toward their four year degree, they should consult with a TVCC advisor. Students who wish to transfer coursework are strongly encouraged to contact an advisor at their chosen transfer institution. A minimum of 91 credits and a minimum grade point average of 2.0 are needed to graduate. Note: Please meet with an advisor before choosing this program

### Learning Outcomes

- Obtain Private Pilot, Airplane License
- Obtain Instrument Airplane Rating
- Obtain Commercial Pilot, Airplane License
- Obtain Multi-Engine Certificate
- Obtain Certified Flight Instructor (CFI) Airplane Certificate
- Obtain Certified Flight Instructor for Instrument (CFII) Airplane Certificate
- Obtain Career Pathways Certificate in Aviation Safety Management Systems

General Education Requirements (25-26 Credits)

All career and technical education degrees and one-year certificates contain required courses in applied communication, computation and human relations. These courses are designed to support student competence and success in the workplace. Students must have appropriate test scores in writing and math to enter the related courses listed. Students who test below the required level will be required to take preparatory courses. A college advisor will assist students with selecting the appropriate preparatory course or courses. Students must earn a grade of "C-" or better in each foundation skills course.

### Writing:

WR 115 - Intro to College Writing (or higher) (4 credits)

### Oral Communications:

COM 111Z - Public Speaking (4 credits) -

or-

SP 219 - Small Group Discussion - (3 credits)

### Mathematics:

MATH 93 - Technical Math (or higher) -  
(4 credits)

### Human Relations:

PSYC 101 - Psychology of Human Relations or BA 204 - Teamwork Dynamics -  
(3 credits each)

HDEV 112 - Freshman Orientation

(1 credit)

HPE 120 - First Aid/CPR - (2 credits)

### Business:

CS 101 - Computer Fundamentals I - (4 credits)

BA 101Z - Intro to Business - (4 credits)

### Courses by Year

#### Year One:

HDEV 112 - Freshman Orientation (1 credit)

CS 101 - Computer Fundamentals I - (4 credits)

WR 115- Intro to College Writing (or higher) (4 credits)

MATH 093 - Adv. Technical Math (or higher) - (4 credits)

BA 101 Intro to Business - (4 credits)

# Treasure Valley Community College

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AV 101 - Intro. to Aviation (3 credits)  
AV 105 - Intro to Airplane Systems (3 credit)  
AV 110 - Private Pilot Ground-Airplane (3 credits)  
AV 111 - Adv. Private Pilot Ground-Airplane (3 credits)  
AV 120 - Intro. to Aviation Safety Management Systems (4 credits)  
AV 121 - Risk Management (3 credits)  
AV 122 - Quality Assurance (ASMS) (3 Credits)  
AV 135 - Aviation GPS (2 credits)  
AV 210 - Instrument Pilot Ground-Airplane (3 credits)  
AV 261 - Flight Lab Private Airplane (1 Credit)  
AV 262 - Flight Lab-Private Airplane (1 credit)  
AV 263 - Flight Lab - Private Airplane (1 credit)  
AV 264 - Flight Lab - Instrument Airplane Simulator (1 credit)  
AV 265 - Flight Lab - Instrument-Airplane (1 credit)  
AV 266 - Flight Lab - Commercial Airplane (1 credit)  
AV 267 - Flight Lab - Commercial Airplane ( 1 credit)

### **Year Two:**

PSYC 101 - OR - BA 204 Gen. Ed. ( 3 credits)  
COM 111Z - Public Speaking (4 credits) or SP 219 Small Group Discussion (3 credits)  
HPE 120 - First Aid & CPR (2 credits)  
AV 123 - Aviation Business and Legal (3 credits)  
AV 124 - Aviation Human Factors (3 credits)  
AV 208 - Meteorology II Decision Making (4 credits)  
AV 211 - Adv. Instrument Pilot Ground-Airplane (3 credits)  
AV 220 - Commercial Pilot Ground Airplane (3 credits)  
AV 258 - Certified Flight Instr.(CFI) Ground (3 credits)  
AV 290 - AviationCapstone (3 credits)

AV 265 - Flight Lab - Adv. Instrument-Airplane (1 credit)  
AV 268 - Flight Lab - Adv. Commercial Airplane (1 credit)  
AV 269 - Flight Lab - Adv. Commercial Airplane (1 credit)  
AV 271 - Flight Lab - Adv. Commercial Airplane Simulator (1 credit)  
AV 272 - Flight Lab - Commercial Complex Airplane (1 credit)  
AV 278 - Flight Lab - Multi-Engine (1 credit)  
AV 292 - Flight Lab - CFI Airplane (1 credit)  
AV 293 - Flight Lab - CFI Airplane (1 credit)  
AV 294 - Flight Lab - CFI Instrument (CFII) (1 credit)  
AV 295 - Flight Lab - CFI Instrument (CFII) (1 credit)

**Total: 90/91 Credits**

### **Recommended Electives**

AV 125 - Intro to Aviation Accident Investi. (3 credits)  
MATH 105Z - Math in Society (4 credits)  
WR 121Z - Composition (4 credits)