

Course Code: AVI 200

Course Title: Commercial Pilot I

Department: Aviation

Effective Date: Summer 2026

PCS Code: 1.1 - Baccalaureate/Transfer

CIP Code: 14.0101

Repeatability: 0

Credit Hours

Catalog Notation: 2-3-3

Credit Hour Distribution:

Lecture: 2

Lab: 3

Clinical: 0

Total: 3

General Course Information

Catalog Description

First in a two-course sequence for FAA Commercial Pilot certification. Complex aircraft introduction and endorsement, and advanced presentation of selected private pilot and instrument topics. Includes 46.5 hours flight and simulator training.

General Course Objectives

Develop the knowledge and proficiency required to earn a complex airplane endorsement and pass the AVI 200 stage check.

Minimum Placement Levels

English

None

Reading

None

Math

None

Prerequisites

FAA Private Pilot Certificate with Airplane Single Engine Land and Instrument Airplane Ratings

Recommended before enrolling (not required):

Credit in AVI 140

Methods of Evaluation

Written assignments, quizzes, exams, oral questioning, and observation of flight performance.

Instructional Materials and Additional Supplies

Airplane Flying Handbook, FAA. Current edition.

Instrument Flying Handbook, FAA. Current edition.

Instrument Procedures Handbook, FAA. Current edition.

Federal Aviation Regulations and Aeronautical Information Manual (FAR/AIM), FAA. Current edition.

Cost of aircraft use is covered by course fees.

Course Content

General Learning Outcomes (GLOs)

- Communication: Students will demonstrate the ability to read, write, listen, and speak effectively.
- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Ground Lesson 61: Instrumental Procedures and Publications	1. Review instrument publications and IFR procedures.	2	0	0
Ground Lesson 62: Complex Aircraft Propellers and Governors	1. Understand required endorsements and components of complex aircraft systems including constant-speed propellers and governors.	2	0	0
Ground Lesson 63: Complex Aircraft Systems	1. Understand complex aircraft systems and factors affecting performance and limitations of complex single-engine aircraft.	2	0	0
Ground Lesson 64: Normal and Emergency Procedures	1. Understand limitations, normal procedures, and emergency procedures for complex single-engine aircraft.	2	0	0
Ground Lesson 65: Performance Charts and Limitations	1. Predict airplane performance using performance charts for all phases of flight.	2	0	0
Ground Lesson 66: Weight and Balance	1. Determine how airplane loading and loading changes affect the airplane's weight and balance condition. 2. Understand airplane equipment list use in weight and balance determination.	2	0	0
Ground Lesson 67: Navigation Systems	1. Understand instrument procedures outlined in the Aeronautical Information Manual (AIM) including GPS, ILS, NDB, and VOR navigation.	2	0	0
Ground Lesson 68: Garmin GNS 430	1. Demonstrate Garmin GNS 430 operation in VFR and IFR flight.	2	0	0
Ground Lesson 69: Airspace	1. Understand the National Airspace System including airspace class designation, Special Use Airspace, and depiction on navigation charts.	2	0	0
Ground Lesson 70: VFR Cross-Country Planning	1. Understand VFR cross-country planning in a complex single-engine aircraft, including diversion and lost procedures.	2	0	0
Ground Lesson 71: Airport Markings and Signs, 49 CFR Part 1552	1. Understand airport pavement markings, airport signs, and airport operations including runway incursion avoidance. 2. Understand TSA rules applicable to flight training.	2	0	0
Ground Lesson 72: Private Pilot Maneuvers	1. Understand performing private pilot maneuvers in a complex single engine airplane.	2	0	0
Ground Lesson 73: Aeromedical Factors and Night Operations	1. Understand physiology related to flight, including night operations.	2	0	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Ground Lesson 74: Weather Theory and Weather Products	1. Understand weather theory, interpret selected weather products, and understand how inflight weather hazards influence decision-making.	2	0	0
Ground Lesson 75: Review and Final Exam	1. Demonstrate through written exam an understanding of the content of Ground Lessons 61 through 74.	2	0	0
Flight Lesson 61: VFR and IFR Review	1. Demonstrate proficiency in VFR and IFR operations in preparation for solo flight.	0	2.5	0
Flight Lesson 62: Solo Flights	1. Complete VFR, IFR, and night local solo flights. 2. Complete three IFR cross-country flights. For each flight, file an IFR flight plan and operate on an IFR clearance for each segment between airports.	0	15	0
Flight Lesson 63: AATD Training	1. Review instrument procedures in the Advanced Aviation Training Device (AATD).	0	7	0
Flight Lesson 64: Basic Flight Maneuvers	1. Gain proficiency in the complex aircraft performing selected private pilot tasks including landing gear, constant speed propeller, fuel injection operation, stalls, traffic patterns, takeoff, and landing.	0	1	0
Flight Lesson 65: Basic Flight Maneuvers	1. Gain proficiency in the complex aircraft performing selected private pilot tasks reviewed from lesson 64.	0	2	0
Flight Lesson 66: Instrument Flight Maneuvers	1. Gain proficiency in the complex aircraft performing selected VFR tasks and instrument maneuvers including basic attitude flight, short-field and soft-field takeoff and landing, power-off 180-degree accuracy approach and landing, and forward slip.	0	2	0
Flight Lesson 67: IFR/VFR Maneuver Review	1. Gain proficiency in the complex aircraft performing selected VFR tasks and instrument maneuvers including holding, procedure turn, DME arc, and instrument approach.	0	2	0
Flight Lesson 68: IFR/VFR Maneuver Review	1. Gain proficiency in the complex aircraft performing selected VFR tasks and instrument maneuvers including NDB and localizer back course approach and missed approach.	0	2	0
Flight Lesson 69: IFR/VFR Maneuver Review	1. Gain proficiency in the complex aircraft performing VFR tasks and instrument maneuvers reviewed from lessons 65 through 68.	0	2	0
Flight Lesson 70: Night VFR Cross-Country Flight	1. Demonstrate proficiency in pilotage, dead reckoning, fuel management, radio navigation and radar services, diversion, lost procedures, and night operations.	0	2.5	0
Flight Lesson 71: Introduction to Commercial Maneuvers	1. Gain proficiency in the complex aircraft performing commercial pilot tasks.	0	2	0
Flight Lesson 72: Review	1. Gain proficiency in the complex aircraft performing VFR tasks and instrument maneuvers reviewed from lessons 65 through 68, including steep turn and power-off 180-degree accuracy approach and landing.	0	2	0
Flight Lesson 73: Practice Stage Check	1. Demonstrate proficiency in the complex aircraft performing VFR tasks and instrument maneuvers by completing a practice stage check.	0	1.5	0
Flight Lesson 74: Review and Complex Aircraft Solo	1. Demonstrate proficiency in the complex aircraft performing VFR tasks and instrument maneuvers selected by the instructor to review for the stage check. 2. Complete a solo flight in the complex aircraft.	0	1	0

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Flight Lesson 75: Stage Check	1. Complete the Commercial Pilot I Stage Check.	0	1.5	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	46	0