

# AVIATION TECHNOLOGY (AVTN)

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## **AVTN 101 Private Pilot Ground School4 Credits**

Preparation for Private Pilot Airplane, Single Engine, Land-FAA Knowledge Exam.

**Fees:** Yes.

## **AVTN 102 Private Pilot Flight4 Credits**

Preparation in flight training for the Private Pilot Airplane, Single-Engine, Land FAA Practical Test, and completing requirements for the Private Pilot Certificate.

**Fees:** Yes.

## **AVTN 105 Aviation Meteorology4 Credits**

Recognition, interpretation, and evaluation of atmospheric weather as it relates to and affects aviation.

## **AVTN 111 Instrument Pilot Ground School4 Credits**

Preparation for the FAA Instrument Rating Knowledge Exam.

**Fees:** Yes.

## **AVTN 112 Instrument Pilot Flight4 Credits**

Preparation in flight training for the Instrument Rating, Single Engine Airplane FAA Practical Test, and completing requirements for the Instrument Rating.

**Fees:** Yes.

## **AVTN 140 Aircraft Systems4 Credits**

Introduction to the basic mechanical systems and structural components of aircraft to supplement instruction received in flight training.

## **AVTN 196 Topics:1-3 Credits**

Course may be taken multiple times up to maximum of 15 credit hours.

## **AVTN 201 Commercial Pilot Ground School2 Credits**

Preparation for the Commercial Pilot Airplane, Single Engine, Land FAA Knowledge Exam.

**Fees:** Yes.

## **AVTN 202 Commercial Pilot Flight I4 Credits**

The first of a two-part sequence of flight training in preparation for the Commercial Pilot Certificate, Airplane, Single Engine Land FAA Practical Test. Consists of the cross country aeronautical experience required for the Commercial Certificate.

**Fees:** Yes.

## **AVTN 203 Commercial Pilot Flight II3 Credits**

Preparation in flight training for the Commercial Pilot, Airplane Single Engine, Land FAA Practical Test, completing requirements for the Commercial Pilot Certificate.

**Fees:** Yes.

## **AVTN 205 Mountain Flying Ground School1 Credit**

Preparation of the unique aspects of flying in mountainous terrain and the additional knowledge and proficiency necessary for safe and efficient operation in mountain and high altitude terrain.

**Fees:** Yes.

## **AVTN 206 Crew Resource Management1 Credit**

Comprehensive classroom instruction coupled with Line Oriented Flight Training (LOFT) in a Flight Training Device. Covers the knowledge, skills, and attitudes necessary to enhance safety and operate effectively as a member of an airplane/helicopter crew.

## **AVTN 207 Multi-Engine Ground School1 Credit**

Preparation for the FAA Practical Test for Private or Commercial Pilot, Airplane Multi-Engine Land.

**Fees:** Yes.

## **AVTN 208 Multi-Engine Flight1 Credit**

Preparation in flight training for the Airplane, Multi-Engine Rating and completing requirements for this rating.

## **AVTN 211 Fundamentals of Instruction2 Credits**

Preparation for the FAA Fundamentals of Instructing Knowledge Exam.

## **AVTN 212 Flight Instructor Ground School2 Credits**

Preparation for the FAA Flight Instructor Airplane Knowledge Exam.

**Fees:** Yes.

## **AVTN 213 Flight Instructor Flight1 Credit**

Preparation of mastery in the areas of: Fundamentals of Instructing, Technical Subject Areas, Preflight Preparation and Lesson, Grand and Airport Operations, Take Offs and Climbs, Fundamentals of Flight, Stalls, Spins, Maneuvering During Slow Flight, Basic Instrument Maneuvers, Performance Maneuvers, Ground Reference Maneuvers, Emergency Operations, Approaches, Landings, and After Landing Procedures, by passing the FAA Practical Test for Flight Instructor Airplane, Single-Engine Land.

**Fees:** Yes.

## **AVTN 218 ATC Procedures4 Credits**

Preparation of IFR operations in the Air Traffic Control System, including: general procedures, terminal and IFR procedures, radar and non-radar environments, enroute procedures, and special and emergency procedures.

## **AVTN 245 Aviation Safety2 Credits**

Knowledge and aeronautical decision making for the professional aviation environment. FAA regulations and standards will be taught in order for students to make sound judgments and decisions in the field of aviation. NTSB accident reports will be thoroughly reviewed as they are published to determine causal factors.

**Terms Typically Offered:** Fall, Spring.

## **AVTN 247 Aviation Physiology2 Credits**

Human body responses in the aviation environment, including: hypoxia, fatigue, use of alcohol/medication, stress, rapid decompression, and illness. The effects of these factors on airmen's decision making, crew resource management, and the in-flight environment will be taught. Students will learn the resources available to aviators and their passengers.

**Terms Typically Offered:** Fall, Spring.

## **AVTN 296 Topics:1-3 Credits**

Course may be taken multiple times up to maximum of 15 credit hours.