AVIATION TECHNOLOGY (AVTN)

AVTN 101 Private Pilot Ground School 4 Credits
Fees: Yes.

AVTN 102 Private Pilot Flight 4 Credits
Fees: Yes.

AVTN 105 Aviation Meteorology 4 Credits
Recognition, interpretation, and evaluation of atmospheric weather as it relates to and affects aviation.

AVTN 111 Instrument Pilot Ground School 4 Credits
Preparation for the FAA Instrument Rating Knowledge Exam.
Fees: Yes.

AVTN 112 Instrument Pilot Flight 4 Credits
Fees: Yes.

AVTN 140 Aircraft Systems 4 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 School 2 Credits
Fees: Yes.

AVTN 202 Commercial Pilot Flight I 4 Credits
Fees: Yes.

AVTN 203 Commercial Pilot Flight II 3 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 School 1 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 Management 1 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 School 1 Credit
Preparation for the FAA Practical Test for Private or Commercial Pilot, Airplane Multi-Engine Land.
Fees: Yes.

AVTN 208 Multi-Engine Flight 1 Credit
Preparation in flight training for the Airplane, Multi-Engine Rating and completing requirements for this rating.

AVTN 211 Fundamentals of Instruction 2 Credits
Preparation for the FAA Fundamentals of Instructing Knowledge Exam.

AVTN 212 Flight Instructor Ground School 2 Credits
Preparation for the FAA Flight Instructor Airplane Knowledge Exam.
Fees: Yes.

AVTN 213 Flight Instructor Flight 1 Credit
Fees: Yes.

AVTN 218 ATC Procedures 4 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 Safety 2 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 Physiology 2 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.