

# Aviation Technology – Professional Pilot

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: AVTPP-AAS

## DESCRIPTION

The Aviation Technology program is designed specifically for students who have a desire to work in aviation-related careers. Thorough coverage of the Federal Aviation Regulations will apply to all aspects of study. The program provides the application of concepts pertaining to airport and aircraft operations for domestic and international flights. Students may select from either Professional Pilot or Flight Operations areas of study. The program will prepare students to enter the employment market as Professional Pilots, Flight Crew Members, OR, Flight Operations Specialist, Crew Scheduler, Flight Follower, Customer Service Representative, or Aircraft Servicing Personnel. Students must meet all eligibility requirements determined by the Federal Aviation Administration and the Transportation Security Administration.

## STUDENT LEARNING OUTCOMES

- Summarize the test standards and information required to pass the Federal Aviation Administration Private Pilot Knowledge exam for land operation of single engine airplanes.
- Model the tasks required to earn the Federal Aviation Administration Private Pilot Practical Certificate for land operation of a single engine airplane.
- Summarize the test standards and information required to pass the Federal Aviation Administration Instrument Rating knowledge exams for land operation of single engine airplanes.
- Model the tasks required to earn the Federal Aviation Administration Private Pilot Practical Instrument Rating for land operation of a single engine airplane.
- Summarize the test standards and information required to pass the Federal Aviation Administration Commercial Pilot Knowledge exam for land operation of single engine airplanes.
- Model the tasks required to earn the Federal Aviation Administration Commercial Pilot Practical Certificate for land operation of a single engine airplane.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

### MATHEMATICS (3 credits)

Required: MATH 116 Technical Mathematics

### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

### COMMUNICATIONS (3 credits)

Required: COM 101 Oral Communication

### HUMAN RELATIONS (3 credits)

Recommended: PSY 101 General Psychology

### NATURAL SCIENCE (4 credits)

Required: EGG 131 and EGG 131L

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

Recommended: SOC 101 Principles of Sociology

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

AV 100B	Aviation Orientation	3
AV 110B	Private Pilot Ground School	4
AV 111B	Private Pilot Certification Lab	3
AV 112B	Human Factors and Safety	3
AV 115B	Aviation Meteorology	3
AV 210B	Instrument Ground School	4
AV 212B	Instrument Certification Lab	3
AV 214B	Aerodynamics	3
AV 220B	Air Transportation	3
AV 240B	Advanced Aircraft Systems	3
AV 250B	Commercial Pilot Ground School	4
AV 251B	Commercial Pilot Certification Lab	3

## FULL-TIME STUDENT DEGREE PLAN

*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3-5
AV 100B Aviation Orientation	3
AV 110B Private Pilot Ground School	4
AV 111B Private Pilot Certification Lab	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
SECOND SEMESTER	Credits
COM 101 Oral Communication	3
PSY 101 General Psychology	3
PSC 101 Introduction to American Politics	4
AV 115B Aviation Meteorology	3
AV 214B Aerodynamics	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
THIRD SEMESTER	Credits
EGG 131 and EGG 131L	4
AV 112B Human Factors and Safety	3
AV 210B Instrument Ground School	4
AV 212B Instrument Certification Lab	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
FOURTH SEMESTER	Credits
SOC 101 Principles of Sociology	3
AV 220B Air Transportation	3
AV 240B Advanced Aircraft Systems	3
AV 250B Commercial Pilot Ground School	4
AV 251B Commercial Pilot Certification Lab	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>62-64</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

