

# Aviation Technology – Flight Operations

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: AVTFO-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

- Explain the U.S. Federal Aviation Regulations and how they pertain to airport operating procedures, crew rest requirements, general operating flight rules, scheduled and non-scheduled flight operations.
- Identify the principles of flight pertaining to normal and transport category aircraft.
- Integrate management concepts particular to airports and the relationship among airline operating environments.

**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. 48 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 (37 CREDITS)

ACC 201	Financial Accounting	3
AV 100B	Aviation Orientation	3
AV 105B	Airport Operations	3
AV 107B	Airline Operations	3
AV 110B	Private Pilot Ground School	4
AV 112B	Human Factors and Safety	3
AV 114B	Advanced Navigation	3
AV 115B	Aviation Meteorology	3
AV 215B	Crew Resource Management	3
AV 220B	Air Transportation	3
IS 101	Introduction to Information Systems	3
MGT 201	Principles of Management	3

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 48	3-5
ACC 201 Financial Accounting	3
AV 100B Aviation Orientation	3
AV 105B Airport Operations	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
COM 101 Oral Communication	3
PSY 101 General Psychology	3
PSC 101 Introduction to American Politics	4
AV 107B Airline Flight Operations	3
AV 115B Aviation Meteorology	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

THIRD SEMESTER	Credits
EGG 131 and EGG 131L	4
AV 110B Private Pilot Ground School	4
AV 112B Human Factors and Safety	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

FOURTH SEMESTER	Credits
SOC 101 Principles of Sociology	3
AV 114B Advanced Navigation and Flight Planning	3
AV 215B Crew Resource Management	3
AV 220B Air Transportation	3
MGT 201 Principles of Management	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-62**

- 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.

