

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Aviation Technology degree 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 degree will provide the application of concepts pertaining to airport and aircraft operations for domestic and international flights. Students may select from Track options that place an emphasis on either Professional Pilot or Flight Operations areas of study. The degree 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, Aircraft Servicing Personnel. Students must meet all eligibility requirements determined by the Federal Aviation Administration and the Transportation Security Administration.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

Professional Pilot:

- Pass the Federal Aviation Administration Private Pilot Knowledge and Practical Exams for Airplane Single Engine Land.
- Pass the Federal Aviation Administration Instrument Rating Knowledge and Practical Flight Exams for Airplane Single Engine Land.
- Pass the Federal Aviation Administration Commercial Pilot Knowledge and Practical Flight Exams for Airplane Single Engine Land.

Flight Operations:

- Demonstrate working knowledge of the Federal Aviation Regulations pertaining to airport operating procedures, crew rest requirements, general operating flight rules, scheduled and non-scheduled flight operations.
- Demonstrate a working knowledge of the principles of flight pertaining to normal and transport category aircraft.
- Demonstrate understanding of management concepts particular to airport and airline operating environments.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116	3	_____
SCIENCE: EGG 131, 132	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
AV 100B Aviation Orientation	3	_____
AV 110B Private Pilot Ground School	4	_____
AV 112B Human Factors and Safety	3	_____
AV 115B Aviation Meteorology	3	_____
AV 220B Air Transportation	3	_____
FOR PROFESSIONAL PILOT:		
AV 111B Private Pilot Certification Lab	3	_____
AV 210B Instrument Ground School	4	_____
AV 212B Instrument Certification Lab	3	_____
AV 214B Aerodynamics	3	_____
AV 240B Advanced Aircraft Systems	3	_____
AV 250B Commercial Pilot Ground School	4	_____
AV 251B Commercial Pilot Certification Lab	3	_____
FOR FLIGHT OPERATIONS:		
ACC 201 Financial Accounting	3	_____
AV 105B Airport Operations	3	_____
AV 107B Airline Operations	3	_____
AV 114B Advanced Navigation	3	_____
AV 215B Crew Resource Management	3	_____
IS 101 Management Information Systems	3	_____
MGT 201 Principles of Management	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

AV-AAS

64
Total Credits

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.

ASSOCIATE OF APPLIED SCIENCE

Guided Pathway 2014-2015
AAS AVIATION TECHNOLOGY
FLIGHT OPERATIONS
 64 Credits

First Semester Fall		<i>Credits</i>	<i>Completed</i>
AV 100B	Aviation Orientation	3	_____
AV 105B	Airport Operations	3	_____
ACC 201	Financial Accounting	3	_____
MATH 116	Technical Mathematics	3	_____
	Prerequisite: Math Placement Test		_____
ENG 100, 101, 107, or 113		3	_____
	Prerequisite: English Placement Test		_____
Total		15	

Second Semester		<i>Credits</i>	
AV 107B	Airline Flight Operations	3	_____
AV 115B	Aviation Meteorology	3	_____
COM 101	Oral Communication	3	_____
Human Relations: Choose one from back		3	_____
EGG 131	Technical Physics I	4	_____
	Prerequisite: MATH 111, 116 or above except 122, 123		_____
Total		16	_____

Third Semester		<i>Credits</i>	
AV 110B	Private Pilot Ground School	4	_____
AV 112B	Human Factors and Safety	3	_____
EGG 132	Technical Physics II	4	_____
	Prerequisite: EGG 131		_____
Fine Arts/Humanities/Social Sciences: Choose one from back		3	_____
IS 101	Intro to Information Systems	3	_____
Total		17	_____

Fourth Semester		<i>Credits</i>	
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	_____
PSC 101 or	Introduction to American Politics	4	_____
HIST 101&102	U.S. History I & U.S. History II		_____
Total		16	_____

Guided Pathway 2014-2015
AAS AVIATION TECHNOLOGY
 Professional Pilot
 64 Credits

First Semester Fall		<i>Credits</i>	<i>Completed</i>
AV 100B	Aviation Orientation	3	_____
AV 110B	Private Pilot Ground School	4	_____
AV 111B	Private Pilot Certification Lab	3	_____
	Corequisite: AV 110B		_____
MATH 116	Technical Mathematics	3	_____
ENG 100, 101, 107, or 113		3	_____
	Prerequisite: English Placement Test		_____
Total		16	

Second Semester		<i>Credits</i>	
AV 115B	Aviation Meteorology	3	_____
AV 214B	Aerodynamics	3	_____
	Prerequisite: AV 110B		_____
COM 101	Oral Communication	3	_____
Human Relations: Choose one from back		3	_____
EGG 131	Technical Physics I	4	_____
	Prerequisite: MATH 111, 116 or above except 122, 123		_____
Total		16	

Third Semester		<i>Credits</i>	
AV 112B	Human Factors and Safety	3	_____
AV 210B	Instrument Ground School	4	_____
AV 212B	Instrument Certification Lab	3	_____
	Prerequisite: AV 111B		_____
EGG 132	Technical Physics II	4	_____
	Prerequisite: EGG 131		_____
Fine Arts/Humanities/Social Sciences: Choose one from back		3	_____
Total		17	

Fourth Semester		<i>Credits</i>	
AV 220B	Air Transportation	3	_____
AV 240B	Advanced Aircraft Systems	3	_____
AV 250B	Commercial Pilot Ground School	4	_____
	Prerequisite: AV 110B		_____
AV 251B	Commercial Pilot Certification Lab	3	_____
	Prerequisite: AV 111B		_____
PSC 101 or	Introduction to American Politics	4	_____
HIST 101&102	U.S. History I & U.S. History II		_____