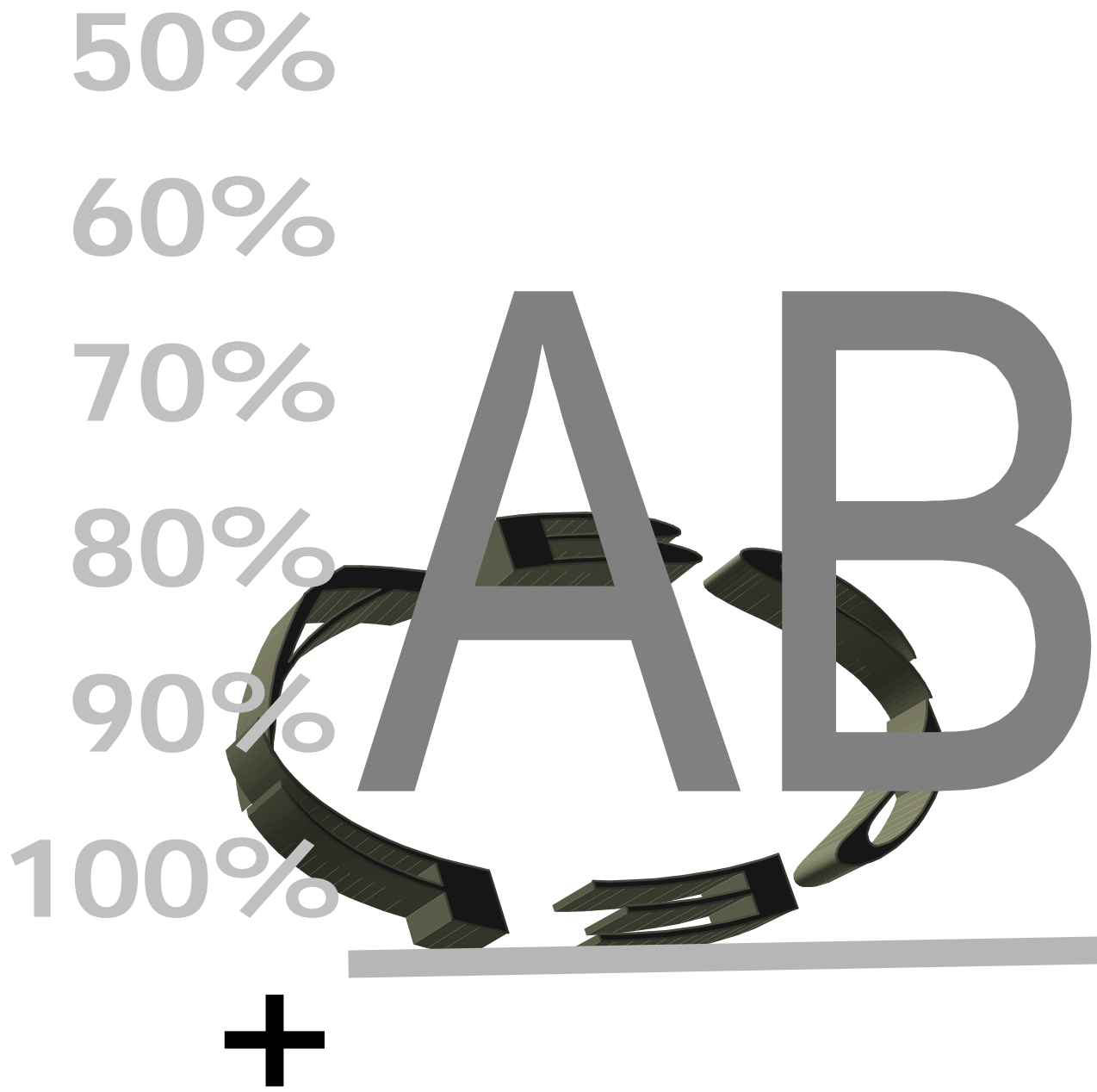


Academics



Northwest Aviation College offers a variety of courses for individuals whose sole objective is to obtain a specific pilot certificate or rating (e.g. private pilot certificate or instrument airplane rating, etc.). These students may take continuation training for a variety of reasons (e.g. hobby, recreation, general knowledge, etc.), and are considered to be avocational - not enrolled in the vocational or AAS degree program.

The vocational professional pilot certificate programs are designed to give students skills and proficiencies necessary to obtain employment in the aviation industry. The specific program requirements and employment opportunities available to graduates of these programs are listed below. Upon successful program completion, the student will be awarded the appropriate Professional Pilot Vocational Certificate.

The Professional Pilot I Certification Program will give students the skills and certification level of "Flight Instructor." This certification will meet entry-level hiring requirements for most 14 CFR Part 61 and 141 flight schools.

This certificate requires a minimum of 45 credits. 30 credits may be earned at other approved schools. However, 15 credits, to include Flight Instructor (AVN 224), must be earned in residence at Northwest Aviation College. In addition, a minimum cumulative grade point average (GPA) of 2.0 on a 4.0 scale must be maintained.

Program Requirements

AVN 110	Private Pilot Ground School	5
AVN 120	Commercial Pilot Ground School	5
AVN 130	Instrument Pilot Ground School	5
AVN 140	Flight Instructor Ground School	5
AVN 250	Multiengine Rating or Any aviation elective course	5
AVN 221	Private Pilot Flight	5
AVN 222	Commercial Pilot Flight	5
AVN 223	Instrument Pilot Flight	5
AVN 224	Flight Instructor, Flight	<u>5</u>
		45 Credits

Completion Time - 12 months for full-time status students
 18 month ¾ time status
 36 months less than ½ time status or
 70 quarter credit hours attempted

Academic Information

Continuing Education

Vocational Professional Pilot Programs

■ *Professional Pilot I Certificate Program*



***Professional Pilot II
Certificate Program*** ■

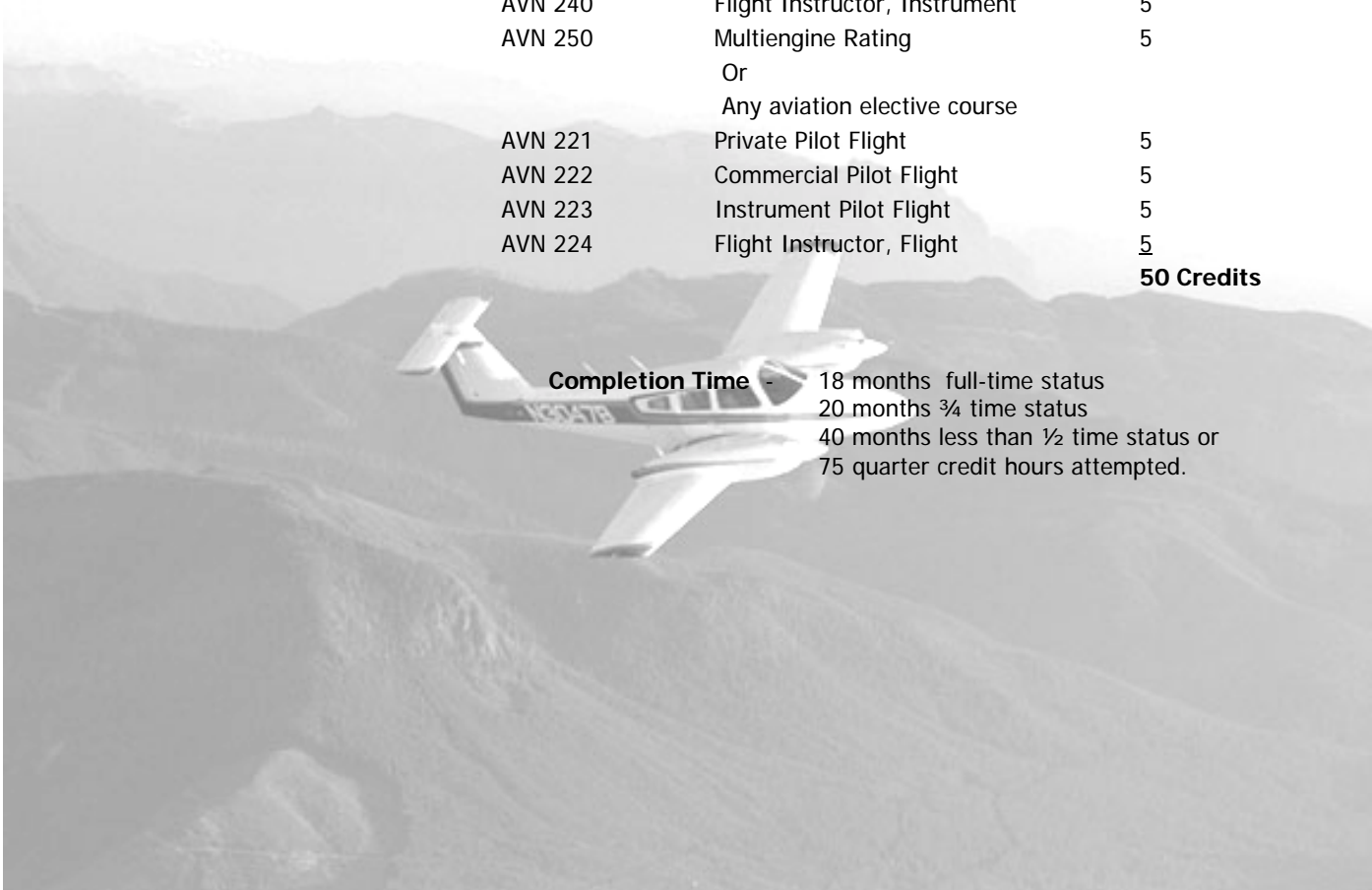
The Professional Pilot II Program is designed to allow students to gain the skills, knowledge, and certification of "Flight Instructor, Instrument". This level of certification makes an instructor applicant much more competitive when seeking initial entry-level employment with 14 CFR Part 61 and 141 flight schools.

This certificate requires a minimum of 50 credits. 35 credits may be earned at other approved schools. However, 15 credits, to include Flight Instructor (AVN 224) and Instrument Instructor (AVN 240), must be earned in residence at Northwest Aviation College. In addition, a minimum cumulative grade point average (GPA) of 2.0 on a 4.0 scale must be maintained.

Program Requirements

AVN 110	Private Pilot Ground School	5
AVN 120	Commercial Pilot Ground School	5
AVN 130	Instrument Pilot Ground School	5
AVN 140	Flight / Ground Instructor Ground	5
AVN 240	Flight Instructor, Instrument	5
AVN 250	Multiengine Rating	5
	Or	
	Any aviation elective course	
AVN 221	Private Pilot Flight	5
AVN 222	Commercial Pilot Flight	5
AVN 223	Instrument Pilot Flight	5
AVN 224	Flight Instructor, Flight	5
		50 Credits

Completion Time - 18 months full-time status
 20 months ¾ time status
 40 months less than ½ time status or
 75 quarter credit hours attempted.



The Professional Pilot III Program is designed to allow students to gain the skills, knowledge, and certification of "Multi-engine Instructor, and Flight Instructor, Instrument." This level of certification is designed for professional-track pilots who will be providing advanced flight instruction in both single and multi-engine aircraft. This level of certification makes an instructor applicant very competitive when seeking initial entry-level employment with 14 CFR Part 61 and 141 flight schools.

■ **Professional Pilot III Certificate Program**

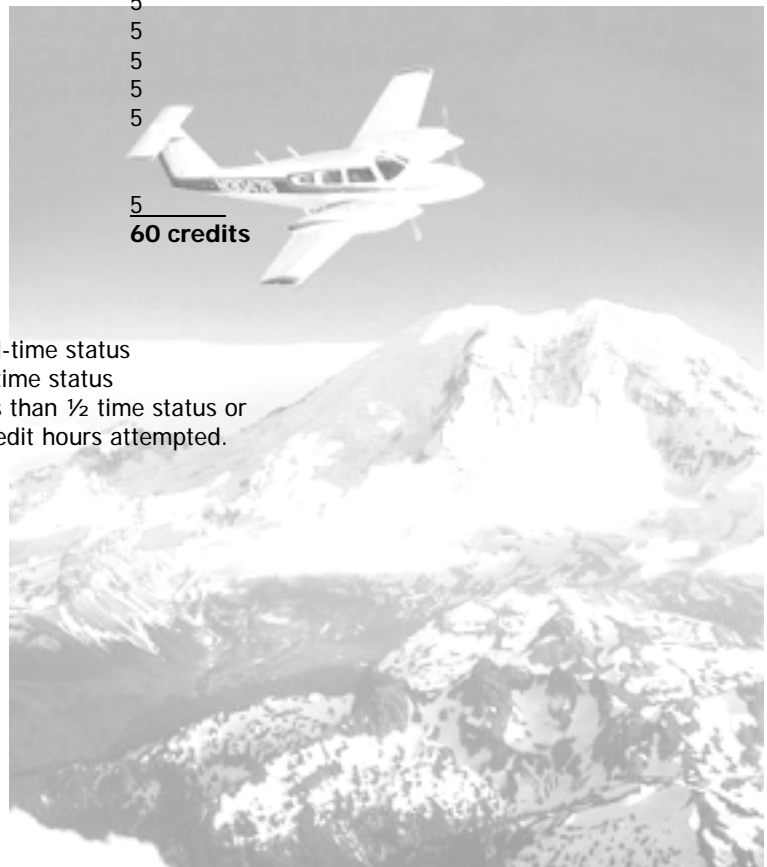
This course requires a minimum of 60 credits. 15 credits, to include Flight Instructor (AVN 224) and Instrument Instructor (AVN 240), must be earned in residency at Northwest Aviation College. In addition, a minimum cumulative grade point average (GPA) of 2.0 on a 4.0 scale must be maintained.

Program Requirements

AVN 110	Private Pilot Ground School	5
AVN 120	Commercial Pilot Ground School	5
AVN 130	Instrument Pilot Ground School	5
AVN 140	Flight /Ground Instructor Ground	5
AVN 221	Private Pilot Flight	5
AVN 222	Commercial Pilot Flight	5
AVN 223	Instrument Pilot Flight	5
AVN 224	Flight Instructor, Flight	5
AVN 240	Flight Instructor, Instrument	5
AVN 250	Multiengine Rating	5
AVN 251	Flight Instructor, Multiengine	5
AVN 211	Aviation Safety	
	or	
AVN 152	Air Taxi Operations	5

60 credits

Completion Time - 24 months full-time status
 36 months ¾ time status
 72 months less than ½ time status or
 145 quarter credit hours attempted.



Degree Programs

**Associate in Applied
Science Degree
AVIATION FLIGHT
TECHNOLOGY**

Northwest Aviation College has developed an aviation degree program that will allow the student to obtain skills and knowledge necessary to gain employment at an entry level in the aviation industry.

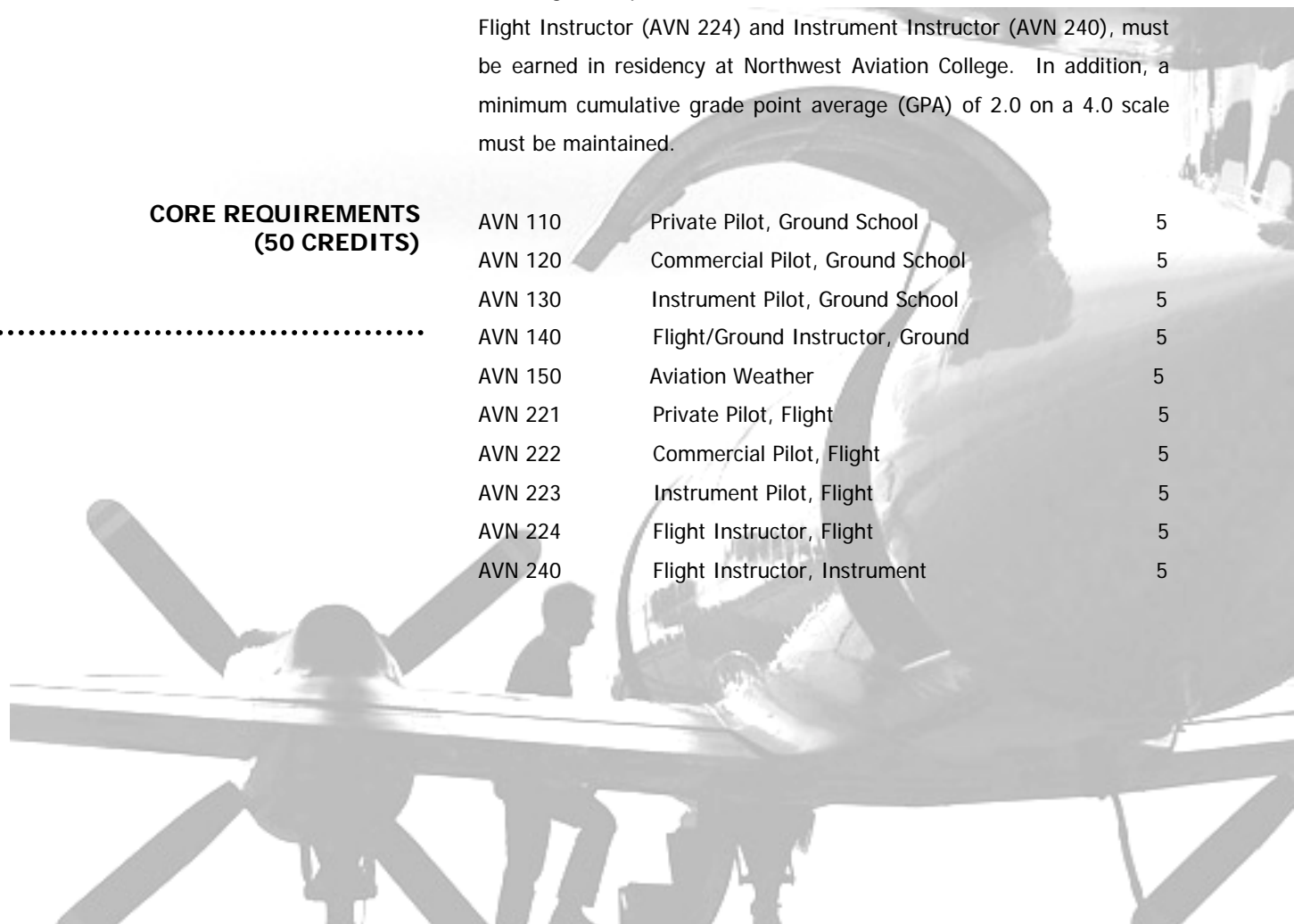
**Associate in Applied Science Degree
Aviation Flight Technology**

The Aviation Flight Technology curriculum is designed for students who wish to pursue a career in aviation, whether it be as a Professional Pilot, Airport Manager, Aviation Safety Professional, or other aviation related field. Upon successful completion of this curriculum the student will receive a diploma in the form of an Associate in Applied Science Degree in Aviation Flight Technology.

This degree requires a minimum of 95 credits. 25 credits, to include Flight Instructor (AVN 224) and Instrument Instructor (AVN 240), must be earned in residency at Northwest Aviation College. In addition, a minimum cumulative grade point average (GPA) of 2.0 on a 4.0 scale must be maintained.

**CORE REQUIREMENTS
(50 CREDITS)**

AVN 110	Private Pilot, Ground School	5
AVN 120	Commercial Pilot, Ground School	5
AVN 130	Instrument Pilot, Ground School	5
AVN 140	Flight/Ground Instructor, Ground	5
AVN 150	Aviation Weather	5
AVN 221	Private Pilot, Flight	5
AVN 222	Commercial Pilot, Flight	5
AVN 223	Instrument Pilot, Flight	5
AVN 224	Flight Instructor, Flight	5
AVN 240	Flight Instructor, Instrument	5



AVN 151	Current Aviation Problems	5
AVN 152	Air Taxi Operations	5
AVN 210	ATC & The Instrument Pilot	5
AVN 211	Aviation Safety	5
AVN 212	Airport Management	5
AVN 213	Aviation Law	5
AVN 214	Aviation History	5
AVN 250	Multi Engine Rating	5
AVN 251	Flight Instructor, Multi Engine	5
AVN 260	Airline Transport Pilot, Ground	5
AVN 261	Airline Transport Pilot, Flight	5
AVN 270	Flight Engineer, Ground	5

**AVIATION ELECTIVES
(20 CREDITS)**
.....

Communications (10)

ENGL 111	Technical Writing	5
SPCH 101	Speech Communication	5

**GENERAL EDUCATION
REQUIREMENTS
(25 CREDITS)**
.....

Computation (5)

BA 107	Business Math	5
MA 111	Algebra and Trigonometry	5

Physical Science (5)

PHYS 101	Conceptual Physics	5
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Humanities/Social Sciences (5)

PSYC 110	Introduction to Psychology	5
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Aviation Flight Technology	50
Aviation Electives	20
General Education	<u>25</u>
Total Credits Required	95 credits

Residence Requirement - 25 Credits
Completion Time - 24 months full-time status
 36 months ¾ time status
 72 months less than ½ time status or
 145 quarter credit hours attempted.



Course Descriptions

Course Numbering System

100 - 299 Lower Level Applicable to Associate in Applied Science Degrees

*Classes offer student faculty ratio of 15:1
Flight training ratio 1:1*

AVN 110 - 5 Credits
Private Pilot
Ground School

Provides the knowledge necessary to pass the FAA Private Pilot, Airplane knowledge examination. Knowledge gained from the course will be used in flight training. FAA Approved. No prerequisite.

AVN 120 - 5 Credits
Commercial Pilot
Ground School

Provides the knowledge necessary to pass the FAA Commercial Pilot, Airplane knowledge examination. Knowledge gained from the course will be used in flight training. FAA Approved. Prerequisite AVN 110 or instructor permission.

AVN 130 - 5 Credits
Instrument Pilot
Ground School

Provides the knowledge necessary to pass the FAA Instrument Pilot, Airplane knowledge examination. Knowledge gained from the course will be used in flight training. FAA Approved. Prerequisite AVN 110 or instructor permission.

AVN 140 - 5 Credits
Flight / Ground Instructor
Ground School

Provides the knowledge necessary to pass the FAA Fundamentals of Instruction and Flight Instructor knowledge exams. Upon completion the student will apply knowledge toward flight training. FAA Approved. Prerequisite AVN 120 or Instructor Permission.

AVN 150 - 5 Credits
Aviation Weather

Covers the theory of weather and weather phenomena. The interpretation of weather charts will be discussed in detail. This course explores all facets of weather including local weather patterns and high altitude weather. Prerequisite: Acceptable scores on the ASSET test, ENGL 111, or advisor approval.

AVN 151 - 5 Credits
Current Aviation Problems

Explore the rapidly changing field of aviation. A brief history of aviation in the United States will be discussed followed by an in-depth look into the deregulation and its impact on aviation. Students will solve current aviation problems using case studies. Prerequisite: Acceptable scores on the ASSET test, ENGL 111, or advisor approval.



This course provides an introduction to commercial pilot Air Taxi (charter) operations. Students gain general knowledge of 14 CFR Parts 119 and 135 as they pertain to air taxi certification. Prerequisite: Acceptable scores on the ASSET test, or advisor approval.

AVN 152 - 5 Credits
Air Taxi Operations

This course provides an overview of the development and application of Air Traffic Control (ATC) separation standards and procedures for the control of instrument flight in controlled airspace.

AVN 210 - 5 Credits
ATC & The Instrument Pilot

This course examines the various hazards associated with flying. Designed to assist pilots in developing sound countermeasures in reducing these hazards. Strong emphasis will be on Crew Resource Management (CRM) and training techniques. Prerequisite: Acceptable scores on the ASSET test, ENGL 111, or advisor approval.

AVN 211 - 5 Credits
Aviation Safety

A definitive study of the requirements necessary to manage a public airport. Airport & Airway systems will be introduced. Students will also study the government agencies, which are involved in monitoring airport activities. Additional topics to be explored: planning funding, growth management, and airport operations. Prerequisite: Acceptable scores on the ASSET test, ENGL 111, or advisor approval.

AVN 212 - 5 Credits
Airport Management

This course is an introduction to the analysis of aviation legislation and its effect on the industry. Topics covered include litigation, product liability, airport expansion, and special interest groups. Prerequisite: Acceptable scores on the ASSET test, ENGL 111, or advisor approval.

AVN 213 - 5 Credits
Aviation Law

This course is a survey of the pursuit of flight from; Kitty Hawk to modern times. Emphasis will be on heavier-than-air flight, beginning with the first flight made by the Wright brothers. Prerequisite: Acceptable scores on the ASSET test, ENGL 111, or advisor approval.

AVN 214 - 5 Credits
Aviation History

This course prepares the student for the FAA Private Pilot Practical Examination. Successful completion of this course will certificate the student to act as pilot in command of single engine aircraft carrying passengers or property but not for compensation or hire. FAA approved.

AVN 221 - 5 Credits
Private Pilot, Flight

AVN 222 - 5 Credits
Commercial Pilot, Flight

This course prepares the student for the FAA Commercial Pilot Practical Examination. Successful completion of the course will certificate the pilot to act as pilot in command of single engine aircraft and be compensated (or for hire). FAA approved. Prerequisite: AVN 221 or instructor permission.

AVN 223 - 5 Credits
Instrument Pilot, Flight

Students are prepared for the FAA Instrument Rating Practical Examination. Successful completion of the course will allow the pilot to act as pilot in an aircraft that is being flown by sole reference to instruments in actual or simulated instrument conditions. FAA Approved. Prerequisite: AVN 221 or instructor permission.

AVN 224 - 5 Credits
Flight Instructor, Flight

The student is prepared for the FAA Flight Instructor Practical Examination. Successful completion of this course will allow the Instrument rated Commercial pilot to teach both the flight and ground subjects appropriate to the instructor certificate attained. FAA Approved. Prerequisite: AVN 222/223 or instructor permission

AVN 240 - 5 Credits
Flight Instructor, Instrument

This course is designed to prepare the student for both the FAA Instrument Instructor written exam and the FAA Practical Exam. Upon successful completion of the course the pilot will be able to train students in the fundamentals of instrument flight. FAA Approved. Prerequisite: AVN 224

AVN 250 - 5 Credits
Multi-engine Rating

This course is designed to prepare the student for the FAA Multiengine Rating Practical Examination. Successful completion of this course will allow the pilot to act as pilot in command of a multiengine airplane. FAA Approved. Prerequisite: AVN 222 or instructor permission.

AVN 251 - 5 Credits
Flight Instructor, Multi-engine

This course is designed to enable the student to obtain an additional rating on their flight instructor certificate that allows them to instruct in a Multi-engine Airplane. FAA Approved. Prerequisite: AVN 224/250 or instructor permission.

AVN 260 - 5 Credits
Airline Transport Pilot, Ground

This course is designed to prepare the student for the FAA Airline Transport Pilot knowledge examination. FAA Approved. Prerequisite AVN 222.

AVN 261 - 5 Credits
Airline Transport Pilot, Flight

This course is designed to prepare the student for the FAA ATP Practical Examination. FAA Approved. Prerequisite: AVN 222.

AVN 270 - 5 Credits
Flight Engineer Ground School

This course provides the knowledge necessary to pass the FAA Flight Engineer Turbojet and Basic Examinations. Knowledge gained from the course will be used in flight training. Prerequisite: AVN 222.

This course covers basic arithmetic and algebraic fundamentals and their applications to typical business problems. Major economic changes that have influenced wages, interest rates, social security, taxes, income taxes, the stock and bond market and consumer prices are presented in a mathematical format. Prerequisite: Acceptable scores on the ASSET test, or advisor approval.

BA 107 - 5 Credits
Business Math

A study of basic laws of fractions, scientific notation exponents, radicals, inequalities, quadratic equations, complex numbers, elements of trigonometry, and the use of calculator functions in finding solutions. Prerequisite: Acceptable scores on the ASSET test, or advisor approval.

MA 111 - 5 Credits
Basic Algebra and Trigonometry

This course will teach the student principles of organizing, developing, and expressing technical information in written form. The course will examine rhetorical patterns common to technical subject matter. In addition, the course will allow students the opportunity to utilize these skills in the aviation field. Prerequisite: Acceptable scores on the ASSET test, or advisor approval.

ENGL 111 - 5 Credits
Technical Writing

This course will survey physics at a conceptual level, integrating the principles of physics into an aviation background as well as relating them to everyday life. Prerequisite: MA 111/BA 107, acceptable scores on the ASSET test, or advisor approval.

PHYS 101 - 5 Credits
Conceptual Physics

This course covers the scientific survey of human behavior; biological and social basis of behavior; cognition, motivation, emotion, perception, personality. In addition, this course will place the topics described into an application setting utilizing the individual as a model, especially as applied to the field of aviation.

PSYC 110 - 5 Credits
Introduction to Psychology

Students will explore communications theory, and practical applications of that theory. Verbal and non-verbal forms of communication and barriers to effective communications will also be covered. Prerequisite: ENGL 111, acceptable scores on the ASSET test, or advisor approval.

SPCH 101 - 5 Credits
Speech Communications

Academic Faculty

Dr. Gary Miller
Physics and Math Instructor

Dr. Michael Witiw
Aviation Weather Instructor

Jodie Newman
Psychology Instructor

Stephen Dable
Speech Instructor

Joseph J. Dejoie
Aeronautical Science Instructor

***Administration and
Faculty***

Jamelle R. Garcia

President

A.A.S., Green River Community College

ATP, CFII, MEI

Shawn M. Pratt

Vice President

Chief Flight Instructor

CFII, MEI, AGI, IGI

Terrine Brown

Director of Education

M.S., Portland State University

B.A., University of Washington

Candace Collins

Assistant Chief Flight Instructor

CFII, MEI

Kasey Maiorca

High School Programs

CFII, MEI
