



## **ASSOCIATE DEGREE OF APPLIED SCIENCE, AERONAUTICAL INSTRUCTION (IPP)**

### **ADMISSIONS/ ENROLLMENT REQUIREMENTS**

- High School Diploma or GED
- Age 18 to earn Commercial Pilot Certificate & Flight Instructor Certificate
- Current government-issued photo ID
- Birth certificate or current passport
- Private Pilot Certificate (if student chooses Path A or B)
- Current First-Class FAA Medical Certificate

### **PROGRAM DESCRIPTION**

The Associate Degree Program is designed for a student to obtain a Private Pilot Certificate (with Instrument Rating) and then to earn their Commercial Pilot Certificate (Initial). Once completed with the Commercial Pilot Certificate, the student proceeds to the Commercial Pilot Additional Class to prepare for single engine or multi engine, whichever was not taken for the Commercial Pilot Certificate. The student will conclude the program obtaining a FAA Certificated Flight Instructor Certificate. The student has the option to choose which one (CFI, CFII, or MEI.)

### **ELECTIVE COURSE OPTIONS**

On completion of the Commercial Pilot Certificate and Commercial Pilot Additional Class, a student must select one of three Elective courses for their Flight Instructor Certificate. They are: (1) Certificated Flight Instructor [CFI], (2) Certificated Flight Instrument Instructor [CFII] or (3) Certificated Multi-Engine Instructor [MEI]. The student is responsible for any additional costs associated with elective options.

### **PROGRAM OBJECTIVES**

Upon completion of the program, the student should be able to:

- Conduct flights with passengers or cargo for compensation or hire in a single/multi engine airplane in visual or instrument flight
- Conduct ground instruction in a classroom environment or a one-on-one basis
- Conduct flight instruction in a single engine or multi engine airplane (depending on Elective option selected)
- Conduct flight instrument instruction (depending on Elective options selected)
- Conduct training flights, determine student proficiency, and report on student progress
- Motivate students to complete their certificates and ratings
- Further their aviation career by accumulating flight hours

As previously stated, this program is designed for all students to earn their FAA Private Pilot, Instrument Rating, and Commercial Pilot Certificates (single and multi-engine ratings.) Upon completions of these, the student will then proceed to their Flight Instructor Certificate.

The student will use FAA Approved Part 141 syllabi for the courses. AW has been authorized by the FAA to have separate stand-alone certificate and rating course syllabi or to combine certificate and rating courses into one syllabus. In this program, the student has the flexibility and option to use these syllabi to meet program goals.

There are three paths arriving at the completion of the Commercial Pilot Certificate. The traditional way. A student will complete the Instrument Rating syllabus then move on to the Commercial Pilot syllabus. The student can fly the Instrument Rating and Commercial Pilot within the same syllabus. The student will work each area of operation and tasks together to finish in a more efficient and timely manner. The student the ability to earn their Instrument Rating and Private Pilot Certificate (AV150/150L) at the same time during training. The dedicated student will be challenged with meeting the required skills for the aeronautical knowledge and flight skills of the (ACS) for both at the same time. The student will then continue to Commercial Pilot Accelerated (AV320/320L) course. This course is for the advance student who is dedicated, focused and mastery of the required skills. The course will allow a student to obtain their Commercial Pilot Certificate in reduced flight hours.

### **POTENTIAL CAREER OPPORTUNITIES**

Act as a Certificated Flight Instructor instructing ground and flight lessons to students who would like to obtain a Private Certificate (single engine and/or multi engine class), Commercial Certificate (single engine and/or multi engine class), or Instrument Rating.

Potential entry level job titles include but are not limited to: Part 135 aircraft charter, corporate flight department, flight instructor, aerial photography, surveying, military aviation, bush pilot/remote re-supply, medical evacuation, firefighting and spotting, Federal and State Government positions, drug enforcement, pipeline and transmission line patrol, and airplane sales/demonstration. Occupations are based on flight hours set by the company. The FAA has set minimum flight hours hiring requirements for Part 121 airlines.

### **PROGRAM LENGTH**

The average length of time for a student taking a full course load is 95 weeks. The enrollment agreement lists the students' start date. (quarter system beginning on 1<sup>st</sup> of the month and ending on the last day of the quarter (ex: 04/01/2018 to 07/023/2018).

### **BARRIERS FOR EMPLOYMENT**

The FAA sets the enrollment requirements, skills required and graduation standards for pilot certificates and ratings. They are published in the FAR/AIM and Airman Certification Standards (ACS) book(s). The ACS has additional references. In addition, the FAA sets the standards for the medical certificates. The FAA holds the right to refuse anyone a pilot certificate(s)/rating(s) and/or medical certificate. Occupational opportunities may be reduced for a criminal record, drug/alcohol offenses and/or low flight time. Commercial pilot jobs require a first or second class medical.

## **GRADUATION REQUIREMENTS**

The FAA sets the course curriculum and standards for certificates and ratings. The FAA makes no exceptions for not meeting the standards. Per the FAA regulations, the student must complete the required lessons and successfully pass all knowledge exams, stage checks, oral exams, and practical flight exams. All academic courses within a program are graded in accordance to the "Grading & Satisfactory Academic Progress Policy". A cumulative average score of 80% or higher is required to graduate. Graduation credit hours for elective options are: (1) 106.0 (2) 103.5 (3) 103.5

## **CREDENTIALS AWARDED**

Associate Degree of Applied Science, Aeronautical Instruction

FAA Commercial Pilot Certificate (single and multi-engine with Instrument Rating)

FAA Certificate or Rating: (depending on elective)

- Certificated Flight Instructor Certificate (CFI)
- Certificated Flight Instrument Instructor Certificate (CFII)
- Certificated Multi Engine Instructor Certificate (MEI)

<b>COURSE</b>	<b>COURSE NAME</b>	<b>PREREQUISITE COREQUISITE</b>	<b>CREDIT HOURS</b>
AV 200	Instrument Rating Ground	Prerequisites: AV 100, AV 100L Co-requisite: AV 200L	4.5
AV 200L	Instrument Rating Flight	Prerequisites: AV 100, AV 100L Co-requisite: AV 200	3.5
AV 300	Commercial Pilot Ground	Prerequisites: AV 100, 200 series Co-requisites: AV 300L	4.5
AV 300L	Commercial Pilot Flight (1/2/3)	Prerequisites: AV 100, 200 series Co-requisites: AV 300	10.5
AV 310	Commercial Pilot Additional Class Ground	Prerequisites: AV 100, 200 series Co-requisites: AV 310L	4.5
AV 310L	Commercial Pilot Additional Class Flight	Prerequisites: AV 100,200,300 or 320 series 2.0 Co-requisites: AV 310	
AV 350	Advanced Aerodynamics	Prerequisites: MAT 101 PHY 250/250L	4.5
AV 351	Advanced Aircraft Systems	None	4.5
AV 352	Advanced Aircraft Familiarization	None	3.5
AV 353	Aviation Weather	None	4.5
AV 354	Crew Resource Management	None	4.5
AV 355	Federal Aviation Regulations	None	4.5
AV 450	Fundamentals of Instruction	Co-requisite: AV 400 series	4.5
AV 460	Teaching Assistant	Prerequisites: AV 100, 200, 300 series Co-requisite: AV 400 series	4.5

<b>COURSE</b>	<b>COURSE NAME</b>	<b>PREREQUISITE CO-REQUISITE</b>	<b>CREDIT HOURS</b>
BUS 105	Business Communication	None	4.5
COM 101	Introduction to Communication	None	4.5
ENG 101	English Composition I	None	4.5
IT 101	Info Tech Fundamentals	None	4.5
MAT 101	College Algebra *	None	4.5
PHY 250	General Physics I	Prerequisite: MAT 101 Co-requisite: PHY 250L	4.5
PHY 250L	General Physics I Lab	Prerequisite: MAT 101 Co-requisite: PHY 250	3.0
<u>Select either PSY 101 or SOC 101</u>			
PSY 101	Introduction to Psychology	None	4.5
SOC 101	Introduction to Sociology	None	4.5

\*The following accredited institution undergraduate courses may be given credit: trigonometry, geometry, and calculus.

## ELECTIVE OPTIONS

<b>COURSE</b>	<b>COURSE NAME</b>	<b>PREREQUISITE CO-REQUISITE</b>	<b>CREDIT HOURS</b>
<b><u>Option (1)</u></b>			
AV 400	Certificated Flight Instructor Ground	Prerequisites: AV 100, 300 series Co-requisites: AV 400L, 450, 460	4.5
AV 400L	Certificated Flight Instructor Flight	Prerequisites: AV 100, 300 series Co-requisites: AV 400, 450, 460	2.5
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<b><u>Option (2)</u></b>			
AV 410	Certificated Flight Instrument Instructor Ground	Prerequisites: AV 100, 200, 300 series Co-requisite: AV 410L, 450, 460	2.0
AV 410L	Certificated Flight Instrument Instructor Flight	Prerequisites: AV 100, 200, 300 series Co-requisites: AV 410, 450, 460	2.5
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<b><u>Option (3)</u></b>			
AV 420	Certificated Multi Engine Instructor Ground	Prerequisites: AV 100, 300 series Co-requisites: AV 420L, 450, 460	2.0
AV 420L	Certificated Multi Engine Instructor Flight	Prerequisites: AV 100, 300 series Co-requisites: AV 420, 450, 460	2.5

### Options (1), (2), and (3)

Per the FAR's, the following options will require the course AV 450. This course only is required for the first flight instructor course.