



## **ASSOCIATE OF SCIENCE IN PROFESSIONAL AERONAUTICS (ASPANL)**

*(Offered at the New Orleans Campus Only)*

### **PROGRAM DESCRIPTION**

*This program prepares students with the necessary skills and academic knowledge for entry-level positions in commercial aviation. Students in the Professional Aeronautics program will learn entry-level skills related to those areas of the professional pilot profession and will be able to sit for the FAA pilot certification.*

### **PROGRAM OBJECTIVES**

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

- 1. Apply Federal Regulations FAR/AIM to private and commercial flight.*
- 2. Identify friendly and hostile aircrafts.*
- 3. Apply physical parameters of the atmosphere to flight.*
- 4. Apply principles of aviation crew resource management to management of ground and air crew.*
- 5. Apply theory and principles of aircraft electrical systems from a pilot's perspective.*
- 6. Utilize IFR navigation and navigational systems for flight.*
- 7. Meet requirements for private and commercial pilot certification.*
- 8. Think critically, both conceptually and by using mathematical analysis; write and speak effectively; use basic computer applications; and understand human behavior in the context of the greater society.*

### **POTENTIAL JOB POSITION TITLES**

*Potential entry level job titles include, but are not limited to, agriculture pilots, tourism pilots, courier pilots, flight instructors/trainers, emergency/medical pilots, and military pilots.*

### **PROGRAM LENGTH**

*The average length of time for a student taking a full course load is 5 semesters (20 months).*

### **PROGRAM CONTENT**

*A minimum of 64 semester credit hours is required for graduation.*

### **REQUIRED COURSES**

*All courses, 38 semester credit hours, are required.*

<i>Course Number</i>	<i>Course Name</i>	<i>Prerequisite</i>	<i>Credit Hours</i>
AN 101	Federal Regulations FAR/AIM	None	3.0
AN 102	Aircraft Identification	AN 101	2.0
AN 103	Advanced Aviation Weather	AN 102	3.0
AN 104	Crew Resource Management	AN 103	3.0
AN 105	Advanced Aerodynamics	AN 104	3.0
AN 106	Advanced Aircraft Systems	AN 105	3.0
AN 110	Private Pilot Ground School	Corequisite AN 110L	3.0
AN 110L	Private Pilot Single Engine	Corequisite AN 110	2.0
AN 220	Instrument Pilot Ground School	AN 110 and AN 110L; Corequisite AN 220L	3.0

<i>Course Number</i>	<i>Course Name</i>	<i>Prerequisite</i>	<i>Credit Hours</i>
AN 220L	Instrument Pilot Single Engine	AN 110 and AN 110L; Corequisite AN 220	2.0
AN 230	Commercial Pilot Ground School	AN 106; AN 220 and AN 220L; Corequisite AN230L	3.0
AN 230L	Commercial Pilot Single Engine	AN 106; AN 220 and AN 220L; Corequisite AN 230	5.0
AN 240	Multi-Engine Pilot Ground School	AN 230 and AN 230L; Corequisite AN 240L	2.0
AN 240L	Multi-Engine Pilot	AN 230 and AN 230L; Corequisite AN 240	1.0

### **REQUIRED COURSES IN GENERAL EDUCATION**

Students enrolled in associate of science programs must complete a minimum of 24 semester credit hours in general education distributed among the following disciplines. Refer to the General Education section of the catalog for Herzing University courses that would satisfy these requirements. \*

- 1 Semester Credit Hours in Information Literacy
- 3 Semester Credit Hours in English Composition or Literature
- 3 Semester Credit Hours in Speech
- 4 Semester Credit Hours in Computer Applications
- 4 Semester Credit Hours in Mathematics (College Algebra or Above)
- 3 Semester Credit Hours in Social or Behavioral Science
- 3 Semester Credit Hours in Science or Humanities With a Critical Thinking Focus \*\*
- 3 Semester Credit Hours of General Education Electives

\* Transfer students may transfer courses that are within 1 semester credit hour of the courses listed above to meet these discipline requirements. Any resulting deficiency in the total of 24 semester credit hours required in general education may be made up with general education electives from any of the listed disciplines.

\*\* A course with a critical thinking focus would be a course that addresses the theories and application of critical analysis with an emphasis on developing sequential reasoning skills. Examples may be courses in critical thinking, philosophy, logic, or science.

### **PERSONAL DEVELOPMENT COURSES**

A minimum of 2 semester credit hours is required.

<i>Course Number</i>	<i>Course Name</i>	<i>Prerequisite</i>	<i>Credit Hours</i>
PD 100	Student Success Skills	None	1.0
PD 120	Personal Financial Management	None	1.0
PD 155	Customer Services	None	1.0
PD 200	Career Development Seminar	None	1.0