

# PROFESSIONAL PILOT

## Bachelor of Science (BS)

This is a guide based on the 2023-2024 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

### CURRICULUM CHECKLIST

#### 96-98 Hour Major – No Minor Required

Some courses may fulfill General Education requirements.

- \_\_\_ AV110 Private Pilots (3)
- \_\_\_ AV111 Private Pilots Lab 1 (2)
- \_\_\_ AV112 Private Pilots Lab 2 (1)
- \_\_\_ AV210 Aviation Instrumentation (3)
- \_\_\_ AV211 Aviation Instrumentation Lab 1 (2)
- \_\_\_ AV212 Aviation Instrumentation Lab 2 (1)
- \_\_\_ AV301 Aviation Safety (3)
- \_\_\_ AV306 Aviation Management 1 (3)
- \_\_\_ AV310 Commercial Pilot (3)
- \_\_\_ AV311 Commercial Pilot Lab 1 (2)
- \_\_\_ AV312 Commercial Pilot Lab 2 (1)
- \_\_\_ AV390 Aircraft Design & Performance (3)
- \_\_\_ AV395 Aircraft Performance (3)
- \_\_\_ AV406 Aviation Management 2 (3)
- \_\_\_ AV408 Human Factors in Aviation (3)
- \_\_\_ AV410 Flight Instructor (3)
- \_\_\_ AV411 Flight Instructor Lab 1 (2)
- \_\_\_ AV412 Flight Instructor Lab 2 (1)
- \_\_\_ AV420 Jet Flight Management (3)
- \_\_\_ AV430 Crew Resource Management (3)
- \_\_\_ AV450 Aviation Capstone (3)
- \_\_\_ EN100 English Composition (3)
- \_\_\_ ET380 Vision and Sensor Systems (3)
- \_\_\_ ET381 Fundamentals of Flight (3)
- \_\_\_ ET384 UAS Law and Policy (3)
- \_\_\_ GO418 Meteorology (4)
- \_\_\_ IM300 Technical Communications (3)
- \_\_\_ IM301 Industrial Safety Supervision (3)
- \_\_\_ IM311 Statistical Process Control (3)
- \_\_\_ IM411 Total Quality Assurance (3)
- \_\_\_ IM419 Industrial Supervision (3)
- \_\_\_ MA116 Precalculus A (3)
- \_\_\_ MN220 Engineering Economic Analysis (3)
- \_\_\_ PH120/020 Introductory Physics I (5)

#### Choose 3-5 hours:

- \_\_\_ CH180 Chemistry in Our World (3)
- \_\_\_ CH181/081/001 Basic Principles of Chemistry (5)
- \_\_\_ GO110 Physical Geology (3)

#### Choose 3 hours:

- \_\_\_ SC105 Fundamentals of Oral Communication (3)
- \_\_\_ SC155 Fundamentals of Interpersonal communication (3)

**General Education Requirements** – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

### SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	1	AV210	3
	EN100	3	AV211	2
	AV110	3	AV212	1
	AV111	2	IM300	3
	AV112	1	MN220	3
	MA116	3	PH120/020	5
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>17</b>
<b>SECOND YEAR</b>	AV301	3	AV312	1
	AV310	3	AV420	3
	AV311	2	CH180/CH181/GO110	3-5
	IM301	3	ET381	3
	General Education	3	IM311	3
	General Education	3		
	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>13-15</b>
<b>THIRD YEAR</b>	AV306	3	AV390	3
	AV410	3	AV395	3
	AV411	2	AV412	1
	ET380	3	ET384	3
	IM419	3	GO418	4
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>
<b>FOURTH YEAR</b>	AV406	3	AV430	3
	AV408	3	AV450	3
	IM411	3	General Education	3
	SC105/SC155	3	General Education	3
	General Education	3	General Education	3
	General Education	3		
	<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15</b>

\*Many major courses are on a set rotation and thus dependent on when prerequisite courses are completed. The actual semester a course is taken may vary based on the rotation.

**Degree requirements for all students:** a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.

Revised  
2/24/2023

# 2023-2024 degree map

