

PROFESSIONAL PILOT

Bachelor of Science (BS)

This is a guide based on the 2025-2026 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

96-100 hour major – No minor required

Some courses may fulfill General Education requirements.

Required Courses:

- ___ AV100 Introduction to Aviation (2)
- ___ AV110 Private Pilots (3)
- ___ AV111 Private Pilots Lab (3)
- ___ AV210 Aviation Instrumentation (3)
- ___ AV211 Aviation Instrumentation Lab1 (2)
- ___ AV301 Aviation Safety (3)
- ___ AV306 Aviation Management I (3)
- ___ AV310 Commercial Pilot (3)
- ___ AV311 Commercial Pilot Lab1 (1)
- ___ AV312 Commercial Pilot Lab 2 (2)
- ___ AV313 Commercial Pilot Lab 3 (1)
- ___ AV390 Aircraft Design & Performance (3)
- ___ AV395 Advanced Avionics Theory & Operation (3)
- ___ AV406 Aviation Management II (3)
- ___ AV408 Human Factors in Aviation (3)
- ___ AV410 Flight Instructor (3)
- ___ AV411 Flight Instructor Lab1 (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)
- ___ ET384 UAS Law and Policy (3)
- ___ GO418 Meteorology (4)
- ___ IM300 Technical Communication (3)
- ___ IM301 Industrial Safety (3)
- ___ IM419 Industrial Supervision (3)
- ___ MA116 Precalculus A (3)
- ___ MN220 Engineering Economic Analysis (3)

Choose 6 hours:

- ___ AV206 Aviation Weather (3)
- ___ ET380 Vision and Sensor Systems (3)
- ___ ET381 Fundamentals of Flight (3)

Choose 2-3 hours:

- ___ AV440 Multi-Engine Instructor (1)
AND
- ___ AV441 Multi-Engine Instructor Lab 1 (1)
OR
- ___ IM311 Statistical Process Control (3)

Choose 4-5 hours:

- ___ PH106/107 Physical Concepts & Lab (3+1)
- ___ PH120/020 Introductory Physics I (5)

Choose 3-5 hours:

- ___ CH181 Basic Principles of Chemistry (5)
- ___ FN235 Nutrition for Health (3)
- ___ GO110 Physical Geology (3)

Choose 3 hours:

- ___ SC105 Fundamentals of Oral Communication (3)
- ___ SC155 Fundamentals of Interpersonal Communication (3)

Note: If UI100 is required, the aviation specific section must be chosen.

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
FIRST YEAR	UI100	1	AV210	3
	AV100	2	AV211	2
	AV110	3	IM300	3
	AV111	3	MN220	3
	EN100	3	Physics	4-5
	MA116	3		
	Total	15	Total	15-16
SECOND YEAR	AV206/ET380/ET381	3	AV206/ET380/ET381	3
	AV301	3	AV312	2
	AV306	3	AV406	3
	AV310	3	AV410	3
	AV311	1	General Education	3
	IM301	3		
	Total	16	Total	14
THIRD YEAR	AV313	1	AV390	3
	AV395	3	AV412	1
	AV408	3	ET384	3
	AV411	2	GO418	4
	IM419	3	Physical Science	3-5
	SC105/SC155	3		
	Total	15	Total	14-16
FOURTH YEAR	AV420	3	AV430	3
	AV440 & AV441 or IM311	2-3	AV450	3
	General Education	3	General Education	3
	General Education	3	General Education	3
	General Education	3	General Education	3
Total	14-15	Total	15	

*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
3/3/2025

2025-2026 degree map

