

# PROFESSIONAL PILOT

The program objectives for the B. S. in Professional Pilot - Fixed Wing, are to:

1. Provide a high-quality flight training program that follows requirements outlined by the Federal Aviation Administration specified in 14 CFR Part 141.
2. Provide future fixed-wing pilots a general education that will allow them to work for national or international aeronautics corporations.
3. Provide students with the theoretical information that will allow them to understand the operation of aircraft and the technical skills to operate aircraft using advanced aeronautics technology.
4. Prepare students to be effective pilots and flight instructors.

Student learning outcomes for the B.S. in Professional Pilot - Fixed Wing:

1. Students will complete an FAA-approved course of study and demonstrate that they can operate technically advanced aircraft under a range of flight conditions.
2. Students will demonstrate the ability to communicate effectively and work collaboratively in diverse and demanding environments.
3. Students will demonstrate the ability to engage in continual professional development related to skills as pilots and professionals working in commercial aviation settings.
4. Students will demonstrate the application of skills and perspectives.

## Tuition Refunds

Tuition and unused flight fees will be refunded on a prorated basis when a student withdraws from a class, in accordance with the university's tuition refund policy.

Additional information about flight courses, fees, and flight policies can be found in the Bill Noe Flight School Safety Practices and Standard Operating Procedures as well as the Aviation Student Handbook.

*Note:* This program is not approved for the usage of veterans' education benefits.

## All Flight Students

For initial consideration, all applicants must meet Marshall University's general freshman or transfer admission requirements. Admission to the Bachelor of Science program in Professional Pilot - Fixed Wing will be selective each year, depending on both the number of applications received and the capacity to enroll new students. Not all applicants who qualify for general admission to the university will be admissible to this program.

As required by FAA regulations, and determined by the Bill Noe Flight School, students must speak, read, write and understand English. Prior to commencing flight training, non-U.S. citizens must complete all Transportation Security Administration (TSA) background checks and appropriate approvals.

Marshall requires that all flight students have at least a Second Class Medical when starting the flight program. However, we recommend students get a First Class Medical prior to flight training to make sure they do not have any medical conditions that could disqualify them

from flying with airlines. Medicals must be done by a Federal Aviation Administration (FAA) Aviation Medical Examiner (AME). Prospective students will find AMEs by location using the resource at <https://designee.faa.gov/#/designeeLocator>.

Upon admission to the program and before beginning AVSC coursework, students who do not have at least a Private Pilot certification must apply for and receive a Student Pilot certificate. See [https://www.faa.gov/pilots/become/student\\_cert/](https://www.faa.gov/pilots/become/student_cert/) for details. Contact the Bill Noe Flight School if you have questions.

## Transfer Student / Intercollegiate Transfer Policy

Transfer students must have a minimum cumulative GPA of 2.25 or Chief Instructor approval.

Students who hold one or more FAA pilot certificates will not need to repeat required courses for these certifications but must discuss their specific situations with the Chief Instructor before enrolling.

Students allowed to enroll with previous FAA pilot certifications, however, must complete AVSC 105 Transition Lab, a course designed to train students to operate the Cirrus SR20. Successful completion requires students to pass the knowledge and practical test requirements of the FAA certification standards at a level commensurate with the pilot certification held while operating the Cirrus SR20 aircraft. Students with previous FAA pilot certifications must successfully complete AVSC 105 before proceeding with further flight courses.

Transfer students who completed college-level courses from a regionally accredited institution of higher education may receive credit for those courses. Please review the Admissions section in the Undergraduate Catalog for more information regarding the university's transfer policies.

## Graduation/ Other Requirements


The Professional Pilot B.S. degree requires a minimum of 120 hours for graduation.

## Progression Requirements

Flight students are expected to complete each flight course in one semester. However, with permission, students experiencing extensive uncontrollable situations, such as weather, may complete the course the following semester with permission. Any student failing to complete the course requirements in that following semester may be dismissed from the program due to lack of progress. Students must maintain a minimum of a C or better in all courses required for the major. AVSC ground schools (AVSC 200, AVSC 215, and AVSC 329) also require an 80% minimum score for all exams.

## Course Requirements

 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at <https://www.marshall.edu/gened/>.

Code	Title	Credit Hours
<b>Core Curriculum</b>		
<i>Core I: Critical Thinking</i>		
FYS 100	First Yr Sem Critical Thinking	3
	Critical Thinking Course (GEO 230 recommended)	3
	Critical Thinking Course (MTH 121 recommended)	3
<i>Core II</i>		
ENG 101 🌱	Beginning Composition	3
ENG 201 🌱	Advanced Composition	3
	Core II Communications (CMM 213 recommended)	3
	Core II Fine Arts	3
	Core II Humanities (Writing Intensive section recommended)	3
	Core II Mathematics (MTH 121 recommended)	3
	Core II Physical/Natural Science (GEO 230 recommended)	4
	Core II Social Science	3
<i>Additional University Requirements</i>		
	Multicultural/International Course	3
	Writing Intensive	3
	Writing Intensive	3
	Capstone (AVSC 450)	
<b>Major-Specific Requirements</b>		
<i>General Education</i>		
CMM 213 🌱	Fund Interpersonal Com (Recommended Core II)	3
GEO 230 🌱	Intro to Meteorology (CT) (Recommended Core II)	4
MTH 121 🌱	Concepts and Applications (CT) (Recommended Core II)	3
<i>Required Aviation Core Courses</i>		
AVSC 102	Flight School Orientation	3
AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 310	Aerodynamics & Performance	3
AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 355	Aviation Weather	3
AVSC 450 🌱	Crew Resource Management (Required Capstone)	3
<i>Required Aviation Flight Courses</i>		
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
AVSC 305	CFII Lab	1
AVSC 329	Commercial Ground School	3
AVSC 330	Commercial Phase I Lab	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
AVSC 345	Initial CFI ASEL Lab	3
AVSC 375	Commercial AMEL Add-On Lab	1
<i>Elective Aviation Courses</i>		
	Any four of the following courses:	12

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Free Electives		3
Free Electives		3
Free Electives		3
Free Electives		2

The semester plan shows more free elective hours than this course requirement page due to certain courses meeting multiple requirements, commonly referred to as “double-dipping” or “triple-dipping.” When students take advantage of this opportunity, it opens up free elective courses for students to take courses in a minor or courses of interest. It does not reduce the total number of hours needed to graduate.

## Semester Plan

The following semester plan presents a sequence of courses that allows students to complete the degree in eight semesters. Individual student plans will depend upon the courses they have completed, the availability of courses, and other factors.

- A minimum of 120 credit hours are required for the baccalaureate degree.
- Six hours of Writing Intensive (WI) credits are required for the degree. Students are encouraged to select WI sections of courses when available within the plan of study.

The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at <https://www.marshall.edu/gened/>.

### First Year

First Semester	Credit Hours	
AVSC 102	Flight School Orientation	3
AVSC 200	Private Pilot Ground School	4
AVSC 205	Solo Flight Lab	1
CMM 213 🌱	Fund Interpersonal Com	3
FYS 100	First Yr Sem Critical Thinking	3
UNI 100	Freshman First Class	1
<b>Credit Hours</b>		<b>15</b>

### Second Semester

AVSC 210	Private Pilot Cert ASEL Lab	2
AVSC 215	Instrument Ground School	3
AVSC 220	Instrument Certification Lab	3
ENG 101 🌱	Beginning Composition	3
GEO 230 🌱	Intro to Meteorology (CT)	4
<b>Credit Hours</b>		<b>15</b>

### Second Year

First Semester	Credit Hours	
AVSC 329	Commercial Ground School	3

AVSC 330	Commercial Phase I Lab	3
MTH 121	Concepts and Applications (CT)	3
ENG 201	Advanced Composition	3
Core II Social Science		3

---

**Credit Hours** **15**

### Second Semester

AVSC 231	Aviation Law and Regulations	3
AVSC 241	Cognition and Aviation Safety	3
AVSC 335	CFI Ground School	3
AVSC 340	Commercial Phase II ASEL Lab	3
Core II Fine Arts		3

---

**Credit Hours** **15**

### Third Year

#### First Semester

AVSC 375	Commercial AMEL Add-On Lab	1
AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	

Core II Humanities		3
Core II Multicultural/International (Free Elective)		3
Writing Intensive (Free Elective)		3
Free Elective		2

---

**Credit Hours** **15**

#### Second Semester

AVSC Elective		3
---------------	--	---

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	

AVSC 345	Initial CFI ASEL Lab	3
AVSC 355	Aviation Weather	3
Writing Intensive (Free Elective)		3
Free Elective		3

---

**Credit Hours** **15**

### Fourth Year

#### First Semester

AVSC 305	CFII Lab	1
AVSC 310	Aerodynamics & Performance	3
AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	

AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	
Free Elective		3
Free Elective		3
Free Elective		3

---

**Credit Hours** **16**

#### Second Semester

AVSC 311	Aircraft Systems	3
AVSC 325	Evolution of ATC Systems	3
AVSC 450	Crew Resource Management	3
AVSC Elective		3

Select one of the following:

AVSC 221	Systems Management	
AVSC 315	Airport Operations and Mgmt	
AVSC 410	Air Transportation Operations	
AVSC 420	International Aviation	
AVSC 454	Drones: Remote Sensing & GIS	
AVSC 495	Internship in Aviation Ops	

Free Elective		3
---------------	--	---

---

**Credit Hours** **15**

**Total Credit Hours** **121**

This semester plan shows more free elective hours than the course requirement page due to certain courses meeting multiple requirements, commonly referred to as "double-dipping" or "triple-dipping." When students take advantage of this opportunity, it opens up free elective courses for students to take courses in a minor or courses of interest. It does not reduce the total number of hours needed to graduate.