

# PROFESSIONAL FLIGHT CONCENTRATION

## BACHELOR OF SCIENCE IN AVIATION

### OVERVIEW OF THE PROGRAM:

The Fairmont State University B.S. in Aviation degree offers the only FAA approved CFR Part 141 Program in the State of West Virginia.

The Professional Flight concentration at Fairmont State University, as one of two program concentrations, is offered through the Aviation Center of Excellence (ACE) located at the North Central West Virginia Airport located in Bridgeport, West Virginia. Students admitted to this selective program have the opportunity to gain a Bachelor of Science degree in Aviation with an emphasis in aviation management while simultaneously completing the flight hours and training required to obtain their Private, Instrument, and Commercial Ratings. The main objective of the Professional Flight concentration at Fairmont State University is to educate aspiring pilots to be well rounded and complete aviation professionals. Our goal is to graduate not just a pilot but an exceptional aviator and student overall.

Students who are selected to begin the Professional Flight concentration can expect to begin flight as soon as their first semester. During the successful student's first semesters, they will learn the basics of flight establishing a solid foundation through a combination of hands-on flight training with a Flight Instructor and ground school application in a classroom setting. Students successfully continuing through the program will exponentially build on their flight skills and aptitudes with a Flight Instructor and ground school training all four years, as well as pursuing a highly marketable aviation management-focused degree. Successful students will study and develop advanced skills while simultaneously taking on the core curriculum requirements toward completing a Bachelor's degree at Fairmont State University.

Students should expect to be immersed in topics that will create a well-rounded pilot. We encourage the pursuit of this career through the study and application of aerodynamics, weather, flight theory, aircraft systems and operations, flight skills, and professional personal development at every level, among other disciplines. Exceptional students may be identified during their Junior/Senior years to become a paid Certified Flight Instructor to instruct at Fairmont State University while still completing their degree and certifications.

The Professional Flight concentration at Fairmont State University is a unique degree program with an experience unlike any other academic endeavor at Fairmont State. Students interested in this degree program will need to be aware of the significant time and financial investments that make this program rigorous and unique.

Employment Opportunities Graduates of the Professional Flight who complete their Commercial Pilot rating may become employed as a professional pilot including but not limited to Regional Airlines, charter, cargo, flight instructor, and US military programs. Opportunities in Aviation and Aviation related industries are projected to be in high demand for the next 25 years, particularly for professional pilots. Graduates of this program who have completed the 30 qualifying hours of courses will also be eligible for the 250-hour reduction of flight time towards the 1,500 hours required by the airlines. Graduates can earn a private, instrument, commercial, multi-engine, CFI, CFII, and MEI instructor certifications.

[FAIRMONTSTATE.EDU/aviation/](http://FAIRMONTSTATE.EDU/aviation/)



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### MODEL SCHEDULE

#### FRESHMAN FIRST SEMESTER

AVMA 1100 INTRODUCTION TO AVIATION	3
AVMA 1101 PRIVATE PILOT TECHNOLOGY	3
AVMA 1103 PRIVATE PILOT TECHNOLOGY LAB	3
ENGL 1101 WRITTEN ENGLISH I (FULFILLS <b>CORE #2</b> WRITTEN COMMUNICATION I)	3
MATH 1430/1530 COLLEGE ALGEBRA (FULFILLS <b>CORE #4</b> MATHEMATICS)	3
CHOOSE COURSE FROM <b>CORE #1</b> FIRST YEAR SEMINAR	1
<b>TOTAL</b>	<b>16</b>

#### FRESHMAN SECOND SEMESTER

AVMA 1102 INTRODUCTION TO AIR TRAFFIC CONTROL	3
AVMA 2201 INSTRUMENT TECHNOLOGY	3
AVMA 2204 INSTRUMENT TECHNOLOGY LAB	3
AVMA 2210 AVIATION METEOROLOGY	3
ENGL 1102 WRITTEN ENGLISH II (RECOMMENDED <b>CORE #2</b> WRITTEN COMMUNICATION II)*	3
<b>TOTAL</b>	<b>15</b>

#### SOPHOMORE FIRST SEMESTER

AVMA 3300 COMMERCIAL PILOT TECHNOLOGY	3
AVMA 3306 COMMERCIAL PILOT TECHNOLOGY LAB	6
ACCT 2220 FUNDAMENTALS OF ACCOUNTING	3
BISM 1200 INTRO TO COMPUTING (FULFILLS <b>CORE #10</b> PERSONAL DEVELOPMENT/TECHNOLOGY)	3
<b>TOTAL</b>	<b>15</b>

#### SOPHOMORE SECOND SEMESTER

BSBA 2204 PRINCIPLES OF MARKETING	3
BSBA 2209 PRINCIPLES OF MANAGEMENT	3
PHYS 1104 AVIATION PHYSICS	4
BSBA 2200 ECONOMICS (RECOMMENDED <b>CORE #8</b> SOCIAL SCIENCE W/ CRITICAL THINKING)*	3
<b>TOTAL</b>	<b>13</b>

#### JUNIOR FIRST SEMESTER

AVMA 2213 AIRPORT PLANNING AND DEVELOPMENT	3
AVMA 3301 AVIATION HISTORY	3
AVMA 3303 AVIATION OPERATIONS	3
BSBA 3310 BUSINESS AND ECONOMIC STATISTICS	3
CHOOSE COURSE FROM <b>CORE #7</b> NATURAL SCIENCE W/CRITICAL THINKING	4
<b>TOTAL</b>	<b>16</b>

#### JUNIOR SECOND SEMESTER

AVMA 2211 AIRPORT MANAGEMENT	3
MGMT 3390 ORGANIZATIONAL BEHAVIOR	3
CHOOSE COURSE FROM <b>CORE #3</b> ORAL COMMUNICATIONS	3
CHOOSE COURSE FROM <b>CORE #6</b> FINE ARTS W/ CRITICAL THINKING	3
CHOOSE COURSE FROM <b>CORE #9</b> CITIZENSHIP	3
<b>TOTAL</b>	<b>15</b>

#### SENIOR FIRST SEMESTER

AVMA 2206 AVIATION SECURITY	3
AVMA 3304 AVIATION MAINTENANCE MANAGEMENT	3
AVMA 3305 GENERAL AVIATION OPERATIONS	3
AVMA 4402 FISCAL ASPECTS OF AVIATION MANAGEMENT	3
ELECTIVE	3
<b>TOTAL</b>	<b>15</b>

#### SENIOR SECOND SEMESTER

AVMA 3302 AVIATION LAW	3
AVMA 3307 AVIATION SAFETY	3
CHOOSE COURSE FROM <b>CORE #5</b> HUMANITIES W/ CRITICAL THINKING	3
ELECTIVE	3
ELECTIVE	3
<b>TOTAL</b>	<b>15</b>

\*- STUDENTS MAY CHOOSE FROM APPROVED LIST OF GENERAL STUDIES COURSES IN WHICH THEY ARE ELIGIBLE TO ENROLL



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#### CONTACT INFORMATION

Kevin Blaney  
Aviation Program Coordinator  
College of Business & Aviation  
[ACE@fairmontstate.edu](mailto:ACE@fairmontstate.edu)  
Phone: (304) 333-3786