

AVIATION, BACHELOR OF SCIENCE WITH A CONCENTRATION IN AEROSPACE TECHNOLOGY (B.S.)

Note: VA Regulations for Aviation Courses

Students using GI Bill® benefits to fund an aviation course must complete each course and/or flight lab within one year of initial registration; failure to do so will result in the student being assigned a grade of NC (No Credit). Students using GI Bill® benefits must repay to the VA the cost (including a portion of stipends for living expenses) related to any course in which a grade of NC is earned. All student participants receiving Veterans Administration benefits have 19 calendar weeks from the date of the first flight event to complete an Aviation flight lab.

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <http://www.benefits.va.gov/gibill> (<http://www.benefits.va.gov/gibill/>)

Aviation Flight Hours & Costs/Fees

A complete listing of aviation related fees for the current academic year is published on the EKU Aviation Flight Fees website (<http://aviation.eku.edu/aviation-flight-fees> (<http://aviation.eku.edu/aviation-flight-fees/>)), and included in materials provided by the flight instructors.

Additionally, all VA funded flight students receive this information from the EKU and Veteran Affairs during their enrollment certification process. Students should verify through their regional Department of Veterans Affairs processing office if they have questions regarding their eligibility to use VA resources to complete the requirements of the EKU Aviation program.

Program Requirements

CIP Code: 49.0101

Summary Checklist for General Education

| Code | Title | Hours |
|------------------|--|-------|
| Element 1 | | |
| A: | Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/) | 3 |
| B: | Written Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/) | 3 |
| C: | Oral Communication (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/) | 3 |
| Element 2 | | |
| | Quantitative Reasoning (http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-2/) | 3 |

Element 3

A: Arts (<http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/>) 3

B: Humanities (<http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/>) 3

Element 4

Natural Sciences (<http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/>) 6

Element 5

A: Historical Science (<http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/>) 3

B: Social Behavioral Science (<http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/>) 3

Element 6

Diversity of Perspectives Experiences (<http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/>) 6

Total Hours 36

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

Major

All aviation courses (AVN prefix) must be completed with a grade of "C" or above.

| Code | Title | Hours |
|---|---|-------|
| University Graduation Requirements | | |
| General Education | | 36 |
| <i>Student Success Seminar</i> | | |
| SCO 100 | Student Success Seminar | 1 |
| Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories) | | |
| Major Requirements | | |
| <i>Core Courses</i> | | |
| AVN 150 | Introduction to Aviation | 3 |
| AVN 250 | Air Transportation | 3 |
| AVN 315 | Aviation Safety Programs | 3 |
| AVN 325 | Aircraft Systems | 3 |
| AVN 329 | Aviation Human Factors | 3 |
| AVN 340 | Airport Management I: Operations and Security | 3 |
| AVN 370 | Aviation Supervision and Leadership | 3 |
| AVN 390 | Aviation Decision Making | 3 |
| AVN 399 | Aviation Prof Skills Seminar | 0 |
| AVN 401 | Airline Management | 3 |
| AVN 402 | Corporate and Business Aviation | 3 |
| AVN 410 | Air Traffic Control | 3 |
| AVN 460 | Aviation Law | 3 |
| AVN 467 | Comprehensive Exam for BS in Aviation | 0 |
| AVN 499 | Aviation Careers Seminar | 0 |

Concentrations

Students must select one of the following Concentrations: ¹

Professional Flight

| | | |
|--|--|------------|
| Aerospace Management | | |
| Aerospace Technology | | 31 |
| Unmanned Aircraft Systems | | |
| <i>Supporting Course Requirements</i> | | |
| AVN 335 | Weather Reporting/Analysis | 3 |
| or GEO 315 | Meteorology | |
| ECO 230 | Fundamentals of Microeconomics (Element 5B) ^G | |
| MAT 112 | Algebra with Applications (or higher) (Element 2) ^G | |
| BIO 307 | Human Anatomy and Physiology I | 3 |
| or MGT 300 | Principles of Management | |
| PHY 101 | Conceptual Physics (or higher)(Element 4) | |
| TEC 161 | Computer Applications in Technology | 3 |
| Choose from one of the following: | | |
| CMS 100 | Introduction to Human Communication (Element 1C) ^G | |
| CMS 210 | Public Speaking (Element 1C) ^G | |
| EES 250 | Basic Social Intelligence Skills (Element 1C) ^G | |
| <i>Free Electives</i> | | |
| Choose from 7 hours of free electives | | 7 |
| <i>Exit Requirements</i> | | |
| Students must take an Aviation exit examination before graduation. | | |
| AVN 467 | Comprehensive Exam for BS in Aviation (CR only) | 0 |
| Total Hours | | 120 |

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Note: selecting only lower division courses may result in additional course work being needed to meet the University requirement of 42 hours of upper division credits. Students are referred to Degree Works to check for course pre-requisites and monitor upper division hours.

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Course also satisfies a General Education element. Supporting hours are included within the 36 hr. General Education requirement above.

Concentration

| Code | Title | Hours |
|--|-----------------------------|-----------|
| Concentration Courses | | |
| AVN 360 | General Aviation Management | 3 |
| AVN 435 | Turbine Aircraft Systems | 3 |
| Choose from 25 hours of aviation technical electives | | 25 |
| Total Hours | | 31 |