



# EASTERN KENTUCKY UNIVERSITY

## College of Business & Technology

### SUGGESTED CURRICULUM GUIDE FOR AVIATION (B.S. DEGREE) AEROSPACE MANAGEMENT OPTION – Fall 2009

The Aviation Program at Eastern Kentucky University offers a four-year Bachelor of Science Degree in Aviation. Besides a general aviation core, aviation students are required to take supporting courses in mathematics, statistics, physics, and business management. Students have two options in the aviation program - professional flight or aerospace management. Graduates of the program are professionally prepared for all facets of the aerospace and aviation industry to include piloting, teaching, and aviation management. The professional flight option is the only Federal Aviation Administration (FAA) approved university flight program in Kentucky.

#### Freshman (1<sup>st</sup> Semester) 16 hrs

- BTO 100\* Orientation (1 hr)
- AVN 150 Introduction to Aviation
- MAT 107 or 108 College Algebra or Trigonometry
- Block I-A\* ENG 101 or 105
- Block V-A History
- Block VI Wellness

#### Sophomore (1<sup>st</sup> Semester) 17 hrs

- PHY 131 College Physics I (5 hrs)
- Block I-C CMS 100 or 210 Communication
- Block III-A Arts
- ECO 230 Principles of Economics I
- Elective

#### Junior (1<sup>st</sup> Semester) 18 hrs

- AVN 315 Human Factors in Flight Safety
- AVN 340 Airport Administration
- MGT 300 or 301 Principles of Management
- STA 215 Elementary Probability & Statistics
- Block VII AH, NS or SBS
- Elective\*\*
- University Writing Requirement

#### Senior (1<sup>st</sup> Semester) 15 hrs

- AVN 390 Aviation Administration Decision Making
- AVN 402 Corporate & Business Aviation
- AVN 410 Air Traffic Control
- Elective \*\*
- Free Elective (up to 3 hrs)

#### Freshman (2<sup>nd</sup> Semester) 15 hrs

- CSC 104 or CIS 212 or TEC 161 Computer Systems
- GEO 315 Intro to Meteorology
- MAT 107 or 108 College Algebra or Trigonometry
- Block I-B\* ENG 102
- Block IV-A Biological Lab Science

#### Sophomore (2<sup>nd</sup> Semester) 17 hrs

- MAT 211 or 162 Business Calculus or Calculus I
- PHY 132 College Physics II (5 hrs)
- PSY 200 Introduction to Psychology
- Block III-B Humanities
- Elective\*\*

#### Junior (2<sup>nd</sup> Semester) 16 hrs

- AVN 350 Air Transportation
- AVN 360 Problems in Aviation Administration
- AVN 370 Techniques: Aviation Supervisors
- Elective \*\*
- Free Electives (4 hrs)
- BTS 300 Business & Technology Seminar (0 credit)\*\*\*

#### Senior (2<sup>nd</sup> Semester) 14 hrs

- AVN 401 Airline Management
- AVN 460 Aviation Legislation
- MGT 480 or INT 408 Management Behavior or HR Development
- Free Electives (5 hrs)
- BTS 400 Business & Technology Seminar (0 credit)\*\*\*

\*Course must be taken in semester indicated.

\*\*Choose from the following prefixes: ACC, AFS, AVN, CIS, ECO, FIN, GBU, INS, MGT, MKT, MSL, PUB

\*\*\*Spring Only

#### BACHELOR OF SCIENCE - Department of Technology

##### Aviation Area Major, Aerospace Management Option

University Requirements.....	1 hr
BTO 100	
General Education Requirements .....	30 hrs
Standard General Education program, excluding general education course blocks II, IVB, VB, VII (NS), and VIII (6 hrs). Refer to Section Four of the <i>Undergraduate Catalog</i> for details on the General Education and University requirements.	
College Requirement: Professional Skills Seminar .....	
BTS 300 (CR) and BTS 400 (CR)	
Supporting Course Requirements.....	40 hrs
CIS 104 or 212 or TEC 161; ECO 230; GEO 315; MAT 107, 108, 211 or 261; MGT 300 or 301, MGT 480 or INT 408; PHY 131(5), PHY 132(5); PSY 200; and STA 215	
Free Electives .....	12 hrs
Core .....	15 hrs
AVN 150, 315, 350, 410, 460.	
Major Requirements .....	30 hrs
AVN 340, 360, 370, 390, 401, 402; and twelve hrs*^ from the following prefixes: ACC, AFS, AVN, CIS, ECO, FIN, GBU, INS, MGT, MKT, MSL, PUB, RST.	
* Selection of lower division courses may result in failure to meet the 43 hrs of upper division	
^ May require prerequisites.	
<b>Total Curriculum Requirements .....</b>	<b>128 hrs</b>