



EASTERN KENTUCKY UNIVERSITY

College of Business & Technology

SUGGESTED CURRICULUM GUIDE FOR AVIATION (B.S. DEGREE) PROFESSIONAL FLIGHT 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 (1st Semester) 16 hrs

- BTO 100* Orientation (1 hr)
- AVN 150 Introduction to Aviation
- AVN 192 Professional Aeronautics (5 hrs)
- AVN 194A Private Pilot (1 hr)
- MAT 107 or 108 College Algebra or Trigonometry
- Block I-A* ENG 101 or 105

Sophomore (1st Semester) 18 hrs

- AVN 220 Instrument Pilot: Ground (3 hrs)
- AVN 220A Instrument Pilot: Flight (1 hr)
- GEO 315 Meteorology
- PHY 131 College Physics I (5 hrs)
- ECO 230 Principles of Economics I
- Block III-A Arts

Junior (1st Semester) 18 hrs

- AVN 315 Human Factors in Flight Safety
- AVN 300 Commercial Pilot: Ground (2 hrs)
- AVN 300A Commercial Pilot: Flight (1 hr)
- MAT 211 or 261 Business Calculus or Calculus I
- MGT 300 or 301 Principles of Mgt or Mgt (NB)
- STA 215 Elementary Probability & Statistics
- Block VII AH, NS or SBS
- University Writing Requirement

Senior (1st Semester) 13 hrs

- AVN 320 Flight Training Analysis II (2 hrs)
- AVN 320A Flight Training Techniques II (1 hr)
- AVN 350 Air Transportation
- MGT 480 or INT 408 Management Behavior or HR Development
- Free Elective (4 hrs)

Freshman (2nd Semester) 17 hrs

- AVN 205A Intermediate Supervised Flight I (1 hr)
- AVN 206A Intermediate Supervised Flight II (1 hr)
- CSC 104 or CIS 212 or TEC 161 Computer Systems
- MAT 107 or 108 College Algebra or Trigonometry
- Block I-B* ENG 102
- Block IV-A Biological Lab Science
- Block VI Wellness

Sophomore (2nd Semester) 13 hrs

- AVN 229A Advanced Supervised Flight I (1 hr)
- AVN 230A Advanced Supervised Flight II (1 hr)
- PHY 132 College Physics II (5 hrs)
- PSY 200 Introduction to Psychology
- Block III-B Humanities

Junior (2nd Semester) 17 hrs

- AVN 310 Flight Training Analysis I (4 hrs)
- AVN 310A Flight Training Techniques (1 hr)
- AVN 325 Aircraft Systems
- Block V-A History
- Block I-C CMS 100 Oral Communication
- Free Electives (3 hrs)
- BTS 300 Business & Technology Seminar (0 credit)**

Senior (2nd Semester) 15-16 hrs

- AVN 400 Multi-Engine Pilot: Ground (1 hr)
- AVN 400A Multi-Engine Pilot: Flight (1 hr)
- AVN 410 Air Traffic Control
- AVN 425 Advanced Aerodynamics
- AVN 460 Aviation Legislation
- Free Electives (4-5 hrs)
- BTS 400 Business & Technology Seminar (0 credit)**

*Course must be taken in semester indicated.

** Spring Only

BACHELOR OF SCIENCE - Department of Technology Aviation Area Major, Professional Flight 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 Gen Ed and University requirements.	
College Requirement: Professional Skills Seminar	
BTS 300 (CR) and BTS 400 (CR)	
Supporting Course Requirements.....	40 hrs
CIS 212 or TEC 161 or CSC 104; 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	16 hrs
Core	15 hrs
AVN 150, 315, 350, 410, 460.	
Major Requirements.....	26 hrs
AVN 192(5), 194A(1), 205A(1), 206A(1), 220(4), 220A(1), 229A(1), 230A(1), 300(2), 300A(1), 325, 400(1), 400A(1), and 425.	
Total Curriculum Requirements	128 hrs