

Aviation Technology, B.S., Aerospace Operations Concentration

303-556-2983 Seventh Street 102

Catalog 12-13

This sheet applies to the 2012-2013 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	34
Major courses (includes 29 hrs. electives)	68
Minor courses	18 min.

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

Total to graduate (min. 40 upper division hours) 120 min

*TO BE COMPLETED WITHIN FIRST 30-COLLEGE LEVEL CREDIT HOURS

Written Communication

- ___ ENG 1010 (3hrs) Freshman Comp: the Essay*
OR ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
___ ENG 1020 (3hrs) Freshman Comp: Anal., Rsrch & Docum. (must be completed within 45-credit hours)

Quantitative Literacy*

- ___ MTH 1110 (4 hrs) College Algebra
or MTH 1112 (4 hrs) College Algebra Through Modeling
or MTH 1310 (4 hrs) Finite Mathematics for the Mgmt and Social Sciences

Oral Communication*

- ___ SPE 1010 (3 hrs) Public Speaking

Arts & Humanities

- ___ (3 hrs)
___ PHI 1030 (3 hrs) Introduction to Ethics

Historical

- ___ (3 hrs)

Social & Behavioral Science I

- ___ ECO 2010 (3 hrs) Principles of Macroeconomics

Social & Behavioral Science II

- ___ ECO 2020 (3 hrs) Principles of Microeconomics

Natural & Physical Sciences

- ___ PHY 1250 (6 hrs) Physics of Aviation

Global Diversity

- ___ (3 hrs) may be satisfied within General Studies

MAJOR COURSES (grade of "C" or better required for all major upper-division classes)

- ___ **AES 1100 (6 hrs) Aviation Fundamentals**
___ **AES 1400 (3 hrs) Aviation Weather**
___ **AES 1710 (3 hrs) Single Engine Flight Simulation I**
___ AES 2220 (3 hrs) Flight Dispatcher & Load Planning
___ AES 3000 (3 hrs) Aircraft Systems & Propulsion
___ AES 3850 (3 hrs) Human Factors & Physiology of Flight
___ AES 3880 (3 hrs) Aviation Security
___ AES 4370 (3 hrs) Advanced Navigation Systems
___ AES 4860 (3 hrs) Aviation Safety
or AES 4870 (3 hrs) Aviation Safety Program Management
___ AES 4910 (3 hrs) Aviation Management and Job Targeting
___ COM 2610 (3 hrs) Introduction to Technical Writing
or MKT 2040 (3 hrs) Business Communications
___ AES 4930 (3 hrs) Professional Flight Standards Seminar
or AES 4950 (3 hrs) Aviation and Aerospace Science Mgt. Strategies
or COM 4790 (3 hrs) Senior Seminar in Tech. Communications (Sr Exper)

Plus a minimum of 29 semester hours of approved AES electives. The following courses may be substituted for approved AES electives:

- ___ MTH 1210 (4 hrs) Introduction to Statistics
___ MTH 1320 (3 hrs) Calculus for the Management & Social Sciences
___ MGT 3000 (3 hrs) Organizational Management
___ MGT 4530 (3 hrs) Organizational Behavior
___ PSY 1001 (3 hrs) Introductory Psychology

Multicultural requirement

(May be satisfied within General Studies or minor)

MINOR required (minimum 18-credit hours): non-AES except for Airframe and Powerplant Mechanics minor, which is 31-credit hours)