

Aviation Technology, B.S., Professional Flight Officer 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

Major courses

Minor courses

Total to graduate (min. 40 hrs. upper division)

34 min

68

18-31 min.

120-133 min

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

***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 is required for all major upper-division classes) See a faculty advisor

___ **AES 1100(6 hrs) Aviation Fundamentals**

___ **AES 1400 (3 hrs) Aviation Weather**

___ **AES 1710 (3 hrs) Single Engine Flight Simulation I**

___ AES 2110 (6 hrs) Commercial/Instrument Ground

___ AES 2150 (4 hrs) Avionics for Aviators

___ AES 2710 (3 hrs) Instrument Flight Simulation I

___ AES 3000 (3 hrs) Aircraft Systems & Propulsion

___ AES 3460 (3 hrs) Weather for Aircrews

___ AES 3530 (3 hrs) Aerodynamics

___ AES 3710 (3 hrs) Multi-Engine Flight Simulation I

or AES 4710 (4 hrs) Turboprop Flight Simulation*

___ AES 3850 (3 hrs) Human Factors & Physiology of Flight

___ AES 3880 (3 hrs) Aviation Security

___ AES 4040 (3 hrs) Aircraft Performance

___ AES 4370 (3 hrs) Advanced Navigation Systems

___ AES 4860 (3 hrs) Aviation Safety

___ AES 4910 (3 hrs) Aviation Management and Job Targeting

___ AES 4930 (3 hrs) Professional Flight Standards Seminar (Sr. Exper.)

___ AES 4935 (6 hrs) Advanced Commercial Aircraft Systems

*Prerequisites for AES 4710 include a multiengine rating or successful completion of AES 3710.

Required Professional Pilot Documentation—see department.

AES Approved Electives— 3-4 hrs— See department

Multicultural Requirement

(may be satisfied within General Studies, minor, or electives)

MINOR required (18-credit hours minimum): Non-AES except for Airframe & Powerplant Mechanics minor which is 31-credit hours.