

Aviation & Aerospace Science, B.S., Professional Flight Officer Concentration

303-556-2983 Seventh Street 102
School of Professional Studies

Catalog 13-14

This sheet applies to the 2013-2014 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 min
Major courses	68
Minor courses	18 min.
Total to graduate (min. 40 hrs. upper division)	120

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-CREDIT HOURS AT MSU DENVER

Written Communication

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

Oral Communication*

- ___ SPE 1010 (3 hrs) Public Speaking
OR ___ SPE 1710 (3 hrs) Interpersonal Communications

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

Arts & Humanities

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

Historical

- ___ (3 hrs)

Natural & Physical Sciences

- ___ PHY 1250 (6 hrs) Physics of Aviation

Social & Behavioral Science I

- ___ (3 hrs)

Social & Behavioral Science II

- ___ (3 hrs)

Global Diversity

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

Electives

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) Instrument Flight Simulation I**
___ AES 2120 (4 hrs) Instrument Fundamentals
___ AES 2130 (3 hrs) Commercial Flight Operations
___ AES 2710 (3 hrs) Instrument Flight Simulation II
___ AES 3000 (3 hrs) Aircraft Systems & Propulsion
___ AES 3530 (3 hrs) Aerodynamics
___ AES 3550 (4 hrs) FAA Instructor Certification-Ground
___ AES 3650 (4 hrs) Advanced Flight Technologies
___ AES 3710 (3 hrs) Multi-Engine Flight Simulation I
___ 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 4710 (4 hrs) Turboprop Flight Simulation
___ 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.