

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

303-556-2983 Seventh Street 102

College of Professional Studies

Catalog 14-15

This sheet applies to the 2014-2015 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 or unrestricted electives	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.) Intro to Composition I & II*
- ___ ENG 1020 (3hrs) Freshman Comp: Anly, Rsrch, & Documt. (must be completed within 45-credit hours)

Oral Communication*

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

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 School
- ___ 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 and Aerospace Strategic Planning (Sr. Ex)
- ___ AES 4930 (3 hrs) Professional Flight Standards Seminar (Sr. Exper.)
- ___ AES 4935 (4 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.

___ 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.