

Aviation & Aerospace Science, B.S., Air Traffic Collegiate Training Initiative 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	44
Minor courses	18 min.
Electives	24
Total to graduate (min. 40 upper division hours)	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

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

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

MAJOR COURSES (grade of "C-" or better 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 2120 (4 hrs) Instrument Fundamentals
___ AES 2130 (3 hrs) Commercial Flight Operations
___ AES 2200 (4 hrs) Fundamentals of Air Traffic Control
___ AES 2710 (3 hrs) Instrument Flight Simulation II
___ AES 3880 (3 hrs) Aviation Security
___ AES 4100 (3 hrs) Advanced Air Traffic Control
___ 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 and Aerospace Strategic Planning (Sr. Exp.)
___ AES 4210 (3 hrs) Airport Planning and Management II*
or AES 4930 (3 hrs) Professional Flight Standards Seminar
or COM 4790 (3 hrs) Senior Seminar in Tech. Communications (Senior Experience)

*Requires completion of AES 4200 Airport Planning and Management I

Multicultural requirement

(May be satisfied within General Studies or minor)

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

Electives