

Aviation & Aerospace Science, B.S., Air Traffic Collegiate Training Initiative Concentration

303-556-2983 Seventh Street 102

Catalog 15-16

College of Professional Studies

This sheet applies to the 2015-2016 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.

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|---|------------|--|
| 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 (3 hrs) Composing Arguments*
- OR** ENG 1008/1009 (6 hrs) Intro to Composition I and II*
- ___ ENG 1020 (3 hrs) 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 & 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) Instrument 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 (Sr. Exp.)

*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 and Powerplant Mechanics minor).

ELECTIVES