

Aviation & Aerospace Science, B.S., Aerospace Operations 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 (includes 29 hrs. electives)	68
Minor or unrestricted electives	18 min.
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

Electives

MAJOR COURSES (grade of "C" or better required for all major upper-division classes)

- ___ AST 1040 (3 hrs) Introduction to Astronomy
- ___ AES 1050 (3 hrs) Introduction to Space
- ___ **AES 1100 (6 hrs) Aviation Fundamentals**
- ___ **AES 1400 (3 hrs) Aviation Weather**
- ___ **AES 1710 (3 hrs) Instrument Flight Simulation I**
- ___ AES 2220 (3 hrs) Flight Dispatcher & Load Planning
- ___ AES 3000 (3 hrs) Aircraft Systems & Propulsion
- ___ AES 3600 (3 hrs) Space Flight Operations I
- ___ AES 3850 (3 hrs) Human Factors & Physiology of Flight
- ___ AES 3880 (3 hrs) Aviation Security
- ___ AES 4200 (3 hrs) Airport Planning and Management I
- ___ AES 4370 (3 hrs) Advanced Navigation Systems
- ___ AES 4601 (3 hrs) Space Flight Operations II
- ___ AES 4602 (3 hrs) Aerospace Commercialized Operations
- ___ AES 4603 (3 hrs) Aerospace Ops. Systems Analysis & Design
- ___ AES 4607 (3 hrs) Orbital Mechanics & Aerospace Sys. Simulations
- ___ 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.)
- ___ COM 2610 (3 hrs) Introduction to Technical Writing
- or** MKT 2040 (3 hrs) Business Communications
- ___ 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 Exper)

Plus a minimum of 5 semester hours of approved AES electives: see catalog

___ 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, which is 31-credit hours)