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

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

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*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

Historical

Natural & Physical Sciences
PHY 1250 (6 hrs) Physics of Aviation

Social & Behavioral Science I

Social & Behavioral Science II

Global Diversity

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

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
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