

Aviation Technology, B.S., Aerospace Ops Concen.—Space Commercialization Emphasis

303-556-2983 Seventh Street 102

Catalog 11-12

This sheet applies to the 2011-2012 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
Major courses	68
Minor courses	18 min.
Total to graduate (min. 40 upper division hours)	120 min

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

GENERAL STUDIES LEVEL I: (must be completed within first 30-credit hours)

Composition

- ___ **ENG 1010-3 Freshman Comp: Essay**
- ___ **ENG 1020-3 Freshman Comp: Analysis, Research & Docum**

Mathematics

- ___ **MTH 1110-4 College Algebra**
- or **MTH 1112-4 College Algebra Through Modeling**
- or **MTH 1310-4 Finite Mathematics for the Mgmt and Social Sciences**

Communications

- ___ **SPE 1010-3 Public Speaking**

GENERAL STUDIES LEVEL II

Historical

- ___ -3

Arts & Letters

- ___ PHI 1030-3 Introduction to Ethics
- ___ -3

Social Sciences

- ___ ECO 2010-3 Principles of Economics: Macro
- ___ ECO 2020-3 Principles of Economics: Micro

Natural Sciences

- ___ **PHY 1250-6 Physics of Aviation**

ADDITIONAL GRADUATION REQUIREMENT

Multicultural Requirement (may be satisfied within General Studies or minor)

- ___ -3

*Courses in bold are recommended for students to complete within their freshman year at Metro State.

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

- ___ **AES 1100-6 Aviation Fundamentals**
- ___ **AES 1400-3 Aviation Weather**
- ___ **AES 1710-3 Single Engine Flight Simulation I**
- ___ AES 2220-3 Flight Dispatcher & Load Planning
- ___ AES 3000-3 Aircraft Systems & Propulsion
- ___ AES 3850-3 Human Factors & Physiology of Flight
- ___ AES 3880-3 Aviation Security
- ___ AES 4370-3 Advanced Navigation Systems
- ___ AES 4860-3 Aviation Safety
- or AES 4870-3 Aviation Safety Program Management
- ___ AES 4910-3 Aviation Management Problems and Job Targeting
- ___ COM 2610-3 Introduction to Technical Writing
- or MKT 2040-3 Business Communications
- ___ AES 4930-3 Professional Flight Standards Seminar
- or AES 4950-3 Aviation and Aerospace Science Mgt. Strategies
- or COM 4790-3 Senior Seminar in Tech. Communications (Sr Exper)

Space Commercialization Emphasis additional classes

- ___ AES 3600-3 Space Flight Operations I
- ___ AES 4601-3 Space Flight Operations II
- ___ AES 4602-3 Aerospace Commercialized Operations
- ___ AES 4603-3 Aerospace Operations Systems Analysis & Design
- ___ AES 4607-3 Orbital Mechanics & Aerospace Systems Simulations

Plus a minimum of 17 semester hours of approved AES electives

The following courses may be substituted for approved AES electives:

- ___ MTH 1210-4 Introduction to Statistics
- ___ MTH 1320-3 Calculus for the Management & Social Sciences
- ___ MGT 3000-3 Organizational Management
- ___ MGT 4530-3 Organizational Behavior
- ___ PSY 1001-3 Introductory Psychology

ADDITIONAL NOTES

- MINOR required (minimum 18-credit hours): non-AES except for Airframe and Powerplant Mechanics minor, which is 31-credit hours)