### General Studies
- **34 min**
  - Major courses: 68
  - Minor courses: 18
  - Total to graduate (min. 40 hrs. upper division): 120-133 min

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**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**
  - PHI 1030-3 Introduction to Ethics

- **Arts & Letters**
  - PHI 1030-3 Introduction to Ethics
  - **or**
    - PHI 1030-3 Introduction to Ethics

- **Social Sciences**
  - ECO 2010-3 Principles of Economics: Macro
  - **or**
    - ECO 2020-3 Principles of Economics: Micro

- **Natural Sciences**
  - PHY 1250-6 Physics of Aviation

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**MAJOR COURSES** (grade of “C” or better is 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
  - **or**
    - AES 2110-6 Commercial/Instrument Ground
  - **or**
    - AES 2110-6 Commercial/Instrument Ground
  - **or**
    - AES 3710-3 Multi-Engine Flight Simulation I
  - **or**
    - AES 4710-4 Turboprop Flight Simulation*
    - AES 3530-3 Aerodynamics
    - AES 3710-3 Multi-Engine Flight Simulation I
    - AES 4710-4 Turboprop Flight Simulation*
    - AES 3850-3 Human Factors & Physiology of Flight
    - AES 3880-3 Aviation Security
    - AES 4040-3 Aircraft Performance
    - AES 4370-3 Advanced Navigation Systems
    - AES 4860-3 Aviation Safety
    - AES 4910-3 Aviation Management and Job Targeting
    - AES 4930-3 Professional Flight Standards Seminar (Sr. Exper.)
    - AES 4935-6 Advanced Commercial Aircraft Systems

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**ADDITIONAL NOTES**

- *Prerequisites for AES 4710 include a multiengine rating or successful completion of AES 3710.*
- *Required Professional Pilot Documentation—see department.*
- *AES Approved Electives—3-4 hrs—See department*
- MINOR required (18-credit hours minimum): Non-AES except for Airframe & Powerplant Mechanics minor which is 31-credit hours.

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