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## LaGrange College

### Course Catalog - Aviation

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#### Minor in Aviation - Minor in Aviation

**Type:**Minor

To earn the minor in Aviation, students must satisfactorily complete the following curriculum.

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#### AVIA 1101 - Private Pilot Ground

This course is the complete private pilot ground course completed in one term. Private Ground develops the student's aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. The Private Ground course covers basic aviation terms and concepts from FAA publications. Some concepts include basic aerodynamics, aircraft systems, flight planning, meteorology, airport operations, navigation, and several other important private pilot concepts.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 3.0

**Restrictions:**

- Offered annually or as needed.
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## **AVIA 2101 - Private Pilot Lab I**

This course is the first of two sequential flight training courses that include the requisite aircraft and simulator training and experience required for the FAA Private Pilot practical test.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Prerequisites:**

- [AVIA 1101](#) - Private Pilot Ground

**Restrictions:**

- Offered annually or as needed.
  - Lab fee of \$10,000.
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## **AVIA 2201 - Private Pilot Lab II**

This course is the second of two sequential flight training courses that include the requisite aircraft and simulator training and experience required for the FAA Private Pilot practical test.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Prerequisites:**

- [AVIA 2101](#) - Private Pilot Lab I

**Restrictions:**

- Lab fee of \$8,000.00
  - Offered annually or as needed.
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## **AVIA 3101 - Instrument Pilot Ground**

The student will learn the FAA regulations, radio communications, air traffic control procedures, and meteorology as it relates to the instrument flight environment. The student will learn the proper use of radio navigational instruments and will be given study tools to prepare for the FAA Instrument written exam.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- [AVIA 2201](#) - Private Pilot Lab II

**Restrictions:**

- Offered annually or as needed.
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## **AVIA 3201 - Instrument Flight Rating**

This course will provide basic instrument flight training. The course will require approximately 35 hours and will include a combination of both aircraft and simulator flight training. The student will gain an in-depth knowledge of Air Traffic Control procedures, airway navigation, and both precision and non-precision instrument approaches. This course will prepare the student for the FAA Instrument Practical Test.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- [AVIA 3101](#) - Instrument Pilot Ground

**Restrictions:**

- Offered annually or as needed.
  - Lab fee of \$15,500.00.
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## **AVIA 4101 - Commercial Ground**

This course will cover advanced aeronautical knowledge in aerodynamics, regulations, meteorology, aircraft systems, and airspace operations required for the Commercial Pilot Knowledge and Oral examinations.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- [AVIA 3201](#) - Instrument Flight Rating

**Restrictions:**

- Lab fees will apply
  - Offered annually or as needed.
-

## **AVIA 4201 - Commercial Flight I**

This course is the first of three sequential flight training courses that include the requisite aircraft and simulator training and experience required for the FAA Commercial Pilot practical test. During this course, students will complete approximately one third of the aircraft and simulator training and experience hours required in the applicable commercial pilot training course outline (TCO).

**Grade Basis:** L

**Credit hours:** 2.0

**Lecture hours:** 2.0

**Prerequisites:**

- [AVIA 4101](#) - Commercial Ground

**Restrictions:**

- Lab fees of \$10,000.00.
  - Offered annually or as needed.
- 

## **AVIA 4301 - Commercial Flight II**

This course is the second of three sequential flight training courses that include the requisite aircraft and simulator training and experience required for the FAA Commercial Pilot practical test. During this course, students will complete approximately one third of the aircraft and simulator training and experience hours required in the applicable commercial pilot training course outline (TCO).

**Grade Basis:** L

**Credit hours:** 2.0

**Lecture hours:** 2.0

**Prerequisites:**

- [AVIA 4201](#) - Commercial Flight I

**Restrictions:**

- Lab fee of \$10,000.00.
  - Offered annually or as needed.
- 

## **AVIA 4401 - Commercial Flight III**

This course is the third of three sequential flight training courses that include the requisite aircraft and simulator training and experience required for the FAA Commercial Pilot practical test. During this course, students will complete approximately one third

of the aircraft and simulator training and experience hours required in the applicable commercial pilot training course outline (TCO).

**Grade Basis:** L

**Credit hours:** 2.0

**Lecture hours:** 2.0

**Prerequisites:**

- [AVIA 4301](#) - Commercial Flight II

**Restrictions:**

- Lab fee of \$5,000.00.
- Offered annually or as needed.

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**LaGrange College**

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