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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 I

This course is the Private Pilot I ground course that accompanies AVIA2101 flight training. This is the first of the two-semester sequence of Private Pilot Ground School. 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 courses 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:** P

**Credit hours:** 1.5

**Restrictions:**

- Offered annually or as needed.
- 

**AVIA 1102 - Private Pilot Ground II**

This course continues is the Private Pilot I ground course begun in a previous term. Private pilot ground school 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:** P

**Credit hours:** 1.5

**Lecture hours:** 1.0

**Prerequisites:**

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

**Restrictions:**

- Corequisite AVIA2201 Private Pilot Lab II
- 

**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:** P

**Credit hours:** 3.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Restrictions:**

- Corequisite AVIA1101 Private Pilot Ground I
  - Lab fee
- 

**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:** P

**Credit hours:** 3.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Prerequisites:**

- [AVIA 1101](#) - Private Pilot Ground I
- [AVIA 2101](#) - Private Pilot Lab I

**Restrictions:**

- Corequisite: AVIA1102 Private Pilot Ground II
  - Lab fee
- 

## **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.
- 

## **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
- 

**AVIA 4101 - Commercial Ground I**

Commercial Ground I: This is the first of a three course series that covers advanced aeronautical knowledge in aerodynamics, regulations, meteorology, aircraft systems, and airspace operations required for the Commercial Pilot Knowledge and Oral examinations.

**Grade Basis:** P

**Credit hours:** 1.0

**Lecture hours:** 1.0

**Prerequisites:**

- [AVIA 3101](#) - Instrument Pilot Ground
- [AVIA 3201](#) - Instrument Flight Rating

**Restrictions:**

- Corequisite AVIA4201 Instrument Flight I
  - Offered annually or as needed.
- 

**AVIA 4102 - Commercial Ground II**

This is the second of a three course series that covers advanced aeronautical knowledge in aerodynamics, regulations, meteorology, aircraft systems, and airspace operations required for the Commercial Pilot Knowledge and Oral examinations.

**Grade Basis:** P

**Credit hours:** 1.0

**Lecture hours:** 1.0

**Prerequisites:**

- [AVIA 4101](#) - Commercial Ground I
- [AVIA 4201](#) - Commercial Flight I

**Restrictions:**

- Corequisite AVIA4301 Instrument Flight II
  - Offered annually or as needed
-

## **AVIA 4103 - Commercial Ground III**

This is the third and final course of a series that covers advanced aeronautical knowledge in aerodynamics, regulations, meteorology, aircraft systems, and airspace operations required for the Commercial Pilot Knowledge and Oral examinations.

**Grade Basis:** P

**Credit hours:** 1.0

**Lecture hours:** 1.0

**Prerequisites:**

- [AVIA 4102](#) - Commercial Ground II
- [AVIA 4301](#) - Commercial Flight II

**Restrictions:**

- Corequisite AVIA4401 Instrument Flight III
  - 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:** P

**Credit hours:** 2.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Restrictions:**

- Corequisite AVIA4101 Commercial Ground I
  - Lab fees apply
  - 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:** P

**Credit hours:** 2.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Prerequisites:**

- [AVIA 4101](#) - Commercial Ground I
- [AVIA 4201](#) - Commercial Flight I

**Restrictions:**

- Corequisite AVIA4102 Commercial Ground II
  - Lab fees apply
  - 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:** P

**Credit hours:** 2.0

**Lecture hours:** 1.0

**Lab hours:** 2.0

**Prerequisites:**

- [AVIA 4102](#) - Commercial Ground II
- [AVIA 4301](#) - Commercial Flight II

**Restrictions:**

- Corequisite AVIA4103 Commercial Ground III
  - Lab fees apply
  - Offered annually or as needed.
- 

## **AVIA 4601 - CFI Ground**

This course provides psychological foundations to understand the concepts of teaching and learning in the airplane. Applies psychology of learning to enable flight and ground instructors to provide for maximum growth and development of their students. In depth study of technical subjects, weather, and airport operations as applied to teaching and learning

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 3.0

**Prerequisites:**

- [AVIA 4103](#) - Commercial Ground III
  - [AVIA 4401](#) - Commercial Flight III
- 

## **AVIA 4602 - CFI Flight**

This course provides psychological foundations to understand the concepts of teaching and learning in the airplane. Applies psychology of learning to enable flight and ground instructors to provide for maximum growth and development of their students. In depth study of technical subjects, weather, and airport operations as applied to teaching and learning.

**Grade Basis:** L

**Credit hours:** 3.0

**Lecture hours:** 3.0

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