



College of Engineering

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Date: 20 February 2015

To: Randy Smith
Vice Provost, Office of Academic Affairs (OAA)

From: Ed McCaul 
Secretary, College Committee on Academic Affairs (CCAA)

Subject: Aviation Minor

CCAA has reviewed and approved the attached Aviation Minor on the 19th of February 2015. This minor is being submitted to you as required by the university's new minor policy. If you have any questions concerning this minor please let me know.



228 Bolz Hall
2036 Neil Avenue
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614-292-2405 Phone
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<http://aviation.osu.edu>

To: College Committee on Academic Affairs (CCAA)

Re: Aviation Minor

Date: January 8, 2015

CCAA Members:

The Center for Aviation Studies offers students across campus a unique opportunity for exposure to the aviation field through completion of a minor. Many students in aeronautical and aerospace engineering will minor in aviation to gain a hands-on understanding of the aircraft that they design. If a student in any field wants to work in the aviation industry as a finance manager, scheduler, operations manager, or airport planner, a minor in aviation is highly recommended.

The minor requirements can be satisfied with a variety of aviation classes. One item to note is that completion of private pilot training (in addition to required courses) will satisfy the majority of the minor requirements. This way, a student can earn their private pilot certificate as well as earn college credit for the training.

The minor in aviation consists of a minimum of 17 credit hours of required and elective course work. The detailed aviation minor curriculum sheet is attached to this letter.

Please accept this short note as a request for the aviation minor to be recognized by the CCAA as an approved minor within the College of Engineering.

If you have any questions regarding this letter, please do not hesitate to contact me at young.1460@osu.edu or tel. 614-292-4556.

Regards,

Seth Young, Ph.D., A.A.E., CFI
McConnell Chair of Aviation
Director, Center for Aviation Studies
Associate Professor, Dept. of Civil, Environmental, and Geodetic Engineering
The Ohio State University

Aviation Minor Semester Requirements

The following guidelines are intended to assist students who will declare the Aviation minor Autumn 2014 or later.

Prerequisites for Aviation Minor:

None

Requirements of Minor

Semester credit hour requirement: 17 credit hours

At least 6 credit hours must be at the 3000-level or higher

Minimum grade of a B- is required in the following ground school courses in order to take associated flight lab(s): Aviation 2100 (in order to be eligible for Aviation 2101); Aviation 3100 (in order to be eligible for Aviation 3101); Aviation 4100 (in order to be eligible for Aviation 4101).

Required Courses (11 credit hours):

<u>Course</u>	<u>Title</u>	<u>Term(s) Offered</u>
AVIATN 2000 (3 hrs)	Intro to the Aviation Industry	AU, SP
AVIATN 2100 (5 hrs)	Private Pilot Fundamentals	AU, SP, SU
AVIATN 3000 (3 hrs)	Aviation Management & Marketing	AU, SP

Elective Courses (min 6 credit hours)

<u>Course</u>	<u>Title</u>	<u>Term(s) Offered</u>
AVIATN 2101 (2 hrs)	Private Pilot Flight Lab I	AU, SP, SU
AVIATN 2102 (2 hrs)	Private Pilot Flight Lab II	AU, SP, SU
AVIATN 2501 (2 hrs)	Commercial Cross Country Flight Lab	AU, SP, SU
AVIATN 2200 (3 hrs)	Aviation Communications	AU, SP
AVIATN 2300 (3 hrs)	Aircraft Performance and Weather	AU, SP
AVIATN 3100 (3 hrs)	Instrument Flight Fundamentals	AU, SP
AVIATN 3101 (3 hrs)	Instrument Flight Lab	AU, SP, SU
AVIATN 3193 (2-5 hrs)	Individual Studies in Aviation	AU, SP, SU
AVIATN 3194 (2-5 hrs)	Group Studies in Aviation	AU, SP
AVIATN 3200 (3 hrs)	Aviation Regulations	AU, SP
AVIATN 3300 (3 hrs)	Aviation Human Factors and Safety	AU, SP
AVIATN 3400 (3 hrs)	Aviation Accident Investigation	AU
AVIATN 3500 (3 hrs)	Airline Labor Relations	SP
AVIATN 4000 (3 hrs)	Air Transportation Analysis I	AU
AVIATN 4100 (3 hrs)	Commercial Flight Fundamentals	AU, SP
AVIATN 4101 (3 hrs)	Commercial Pilot Flight Lab	AU, SP, SU
AVIATN 4300 (2 hrs)	Advanced Multi-Engine Operations	SP
AVIATN 4301 (2 hrs)	Commercial Pilot MEL Flight Lab	AU, SP, SU
AVIATN 4400 (3 hrs)	Airport Management	AU
AVIATN 4800 (2-5 hrs)	Professional Practice in Industry	AU, SP
AVIATN 5000 (3 hrs)	Air Transportation Analysis II	SP
AVIATN 5100 (2 hrs)	Flight Instruction Methodology	AU, SP

AVIATN 5101 (2 hrs)	Flight Instructor SEL Flight Lab	AU, SP, SU
AVIATN 5102 (2 hrs)	Flight Instructor MEL Flight Lab	AU, SP, SU
AVIATN 5300 (3 hrs)	Airport Planning, Design and Development	SP

Notes:

1. Aviation 2100 must be completed first and with a B- or higher in order for students to be eligible to register Aviation 2101
2. Additional fees are required for courses listed as a flight lab
3. Students should declare the Aviation minor prior to starting Aviation 3000

**The Ohio State University
College of Engineering
Aviation Minor (AVIAASC-MN)**

Center for Aviation Studies
228 Bolz Hall
2036 Neil Avenue, Columbus OH 43210-1110
Tel. 614-292-2405
<http://www.aviation.osu.edu>

Overview

The minor in Aviation consists of a minimum of 17 credit hours of required and elective course work as listed below.

The Aviation minor does not have an application process. A student needs to file a Minor Program Form with their academic advisor or college office prior to starting the 3000-level or higher Aviation courses.

Some courses in this minor may have pre-requisites. Please consult the course bulletin before enrolling in courses

Required courses (11 credit hours)

Aviation 2000: Intro to the Aviation Industry (3)
Aviation 2100: Private Pilot Fundamentals (5)
Aviation 3000: Aviation Management & Marketing (3)

Elective course work (min 6 credit hours)

Select at least six (6) credit hours from:

Aviation 2101: Private Pilot Flight Lab I (2)
Aviation 2102: Private Pilot Flight Lab II (2)
Aviation 2501: Commercial Cross Country Flight Lab (2)
Aviation 2200: Aviation Communications (3)
Aviation 2300: Aircraft Performance and Weather (3)
Aviation 3100: Instrument Flight Fundamentals (3)
Aviation 3101: Instrument Flight Lab (3)
Aviation 3193: Individual Studies in Aviation (2-5)
Aviation 3194: Group Studies in Aviation (2-5)
Aviation 3200: Aviation Regulations (3)
Aviation 3300: Aviation Human Factors & Safety (3)
Aviation 3400: Aviation Accident Investigation (3)
Aviation 3500: Airline Labor Relations (3)
Aviation 4000: Air Transportation Analysis I (3)
Aviation 4100: Commercial Flight Fundamentals (3)
Aviation 4101: Commercial Pilot Flight Lab (3)
Aviation 4300: Advanced multi-engine operations (2)
Aviation 4301: Commercial Pilot MEL Flight Lab (2)
Aviation 4400: Airport Management (3)
Aviation 4800: Professional Practice in Industry (2-5)
Aviation 5000: Air Transportation Analysis II (3)
Aviation 5100: Flight Instruction Methodology (2)
Aviation 5101: Flight Instructor SEL Flight Lab (2)
Aviation 5102: Flight Instructor MEL Flight Lab (2)
Aviation 5300: Airport Planning, Design, & Development (3)

Aviation minor program guidelines

Required for Graduation No

Credit Hours Required

A minimum of 17 credit hours. **At least 6 credit hours need to be at the 3000 level or above**

Transfer and EM Credit Hours Allowed

A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination toward the minor.

Overlap with the Major and Additional Minor(s)

- The minor must be in a different subject than the major.
- The minor must contain a minimum of 12 hours distinct from the major and/or additional minors.

Grades Required

- Minimum C- for a course to be listed on the minor.
- Minimum B- required for Aviation 2100, 3100 and 4100 in order to be eligible for associated flight labs.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- Course work graded Pass/Non-Pass cannot count on the minor.
- No more than 3 credit hours of course work graded Satisfactory/Unsatisfactory may count towards the minor.

X193 Credits

No more than 3 credit hours

Flight Labs

Flight lab fees are not included with Ohio State tuition and is therefore an additional charge. For a list of flight lab fees, please contact the Center for Aviation Studies.

Filing the Minor Program Form

The minor program form must be submitted by the student to their academic advisor or college office prior to starting the 3000-level or higher Aviation courses

Variation From Program

Any variation from the program described above needs the approval of the coordinating advisor in the Center for Aviation Studies.