

# AVIATION TECHNOLOGY: FLIGHT (ATF)

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## ATF1100C PRIVATE FLIGHT TRAINING (3.00 Credits)

This course provides the flight training and experience required by the Federal Aviation Regulations (FAA) for a Private Pilot Certificate. Minimum course hours, exclusive of the final check ride, are 36.5 flight hours, with a total of 49.5 instructional hours to include flight briefs and stage exams.

Total Contact Hrs: 52.00

Lecture Hrs: 2.00

Lab Hrs: 50.00

Fees: LABORATORY FEE \$91.00

Complete all the courses in the following option:

- Option 1 - Pre or Corequisite: ASC1100 (minimum grade: C) and ATT1100 (minimum grade: C)

## ATF2204 COMMERCIAL FLIGHT INSTRUCTION (3.00 Credits)

This course continues the training and experience of Commercial Flight I. Together with ATF2305 and ATF2205, it provides the aeronautical experience required to qualify for the FAA Commercial Pilot Certificate with instrument rating under Federal Aviation Regulations part. During this course, the student begins commercial pilot training. The minimum flight hours for this segment of commercial training is 44 hours with a total of 32.5 instructional hours to include flight briefs and stage exams.

Total Contact Hrs: 90.00

Lecture Hrs: 10.00

Lab Hrs: 80.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: ATF2305 (minimum grade: C), Corequisite: ATT2110 (minimum grade: C)

## ATF2205 COMPLEX FLIGHT INSTRUCTION (3.00 Credits)

This is the final in the series of courses designed to provide the aeronautical experience for an FAA Commercial Pilot Certificate with instrument rating under Federal Aviation Regulations. During this course the student achieves qualification in complex air-craft. The minimum flight and FTD hours, exclusive of the final check ride, represent 78.5 hours with a total of 41.5 instructional hours to include flight briefs and stage exams. Prerequisite: Instructor's approval.

Total Contact Hrs: 90.00

Lecture Hrs: 10.00

Lab Hrs: 80.00

Complete all the courses in the following option:

- Prerequisite: ATF2204 (minimum grade: C)

## ATF2305 INSTRUMENT FLIGHT INSTRUCTION (3.00 Credits)

This course continues the training and experience begun in primary flight with instrument rating coursework. Students must have a private pilot certificate prior to enrollment and beginning instrument training. Together with ATF2204 and ATF2205, the course provides the aeronautical experience required to qualify for the FAA Commercial Pilot Certificate with instrument rating under Federal Aviation Regulations. The minimum instrument and FTD flight hours, exclusive of the final check ride, are 50 hours with a total of 71.5 instructional hours to include flight briefs and stage exams.

Total Contact Hrs: 90.00

Lecture Hrs: 10.00

Lab Hrs: 80.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: ATF1100C (minimum grade: C), Corequisite: ASC1210 (minimum grade: C) and ASC2110 (minimum grade: C) and ATF2600L (minimum grade: C) and ATT2120 (minimum grade: C)

## ATF2400 MULTI ENGINE FLIGHT TRAINING (1.00 Credits)

This course provides the flight training and experience required to obtain an FAA multi-engine rating. In order to receive credit for this course, the student must have earned an FAA multi-engine rating. Flight training fees are additional and must be paid directly to the College in advance.

Total Contact Hrs: 25.00

Lecture Hrs: 5.00

Lab Hrs: 20.00

Complete all the courses in the following option:

- Corequisite: ATF2630L (minimum grade: C)

ATF2500 CERTIFIED FLIGHT INSTRUCTOR TRAINING (2.00 Credits)

This course provides the flight and ground instruction to earn an FAA Certified Flight Instructor certificate. Part 141 approved coursework consists of 44 hours of ground instruction and 36.5 hours of flight hours including pre and post flight briefings. Course consists of the number of dual and solo flying hours and oral instruction required in to qualify the individual for the FAA Certified Flight Instructor oral and practical exam. FAA Part 61 training is available to some students. Please see department for eligibility. Student must earn the FAA Flight Instructor certificate to receive a grade.

Total Contact Hrs: 45.00

Lecture Hrs: 15.00

Lab Hrs: 30.00

ATF2600L INSTRUMENT FLIGHT SIMULATOR TRAINING (1.00 Credits)

This course provides a total of 15 hours of training in one of the Emil Buehler Flight Lab flight training devices at South Campus. This course may be taken as an elective in any of the aviation programs. Material covered will be tailored to the individual depending upon his/ her piloting background. This course may be repeated for a maximum of 3 semester hours to meet a 3 semester hour elective requirement.

Total Contact Hrs: 16.00

Lab Hrs: 16.00

Fees: LABORATORY FEE \$91.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: ASC1100 (minimum grade: C) and ATF1100C (minimum grade: C) and ATT1100 (minimum grade: C), Pre or Corequisite: ATF2305

ATF2630L MULTI ENGINE SIMULATOR TRAINING (1.00 Credits)

This course provides a total of 15 hours of training in one of the Buehler Flight Lab multi- engine flight training devices at South Campus. The course consists of 5 hours of lecture and 10 hours in the flight training device. This course may be taken as an elective in any of the aviation programs. This course may be repeated for a maximum of 3 semester hours to meet a 3 semester hour elective requirement. Student fee charged.

Total Contact Hrs: 16.00

Lab Hrs: 16.00

Fees: LABORATORY FEE \$91.00

Complete all the courses in the following option:

- Option 1 - Prerequisite: ASC1100 (minimum grade: C) and ATF1100C (minimum grade: C) and ATT1100 (minimum grade: C), Corequisite: ATF2400 (minimum grade: C)