AVIATION SCIENCE

AVIATION SCIENCE: PILOT (AVI)

Overview

The Associate in Science (A.S.) degree is awarded upon completion of requirements for this program. Students who successfully complete the Associate in Science (A.S.) degree in Aviation Science: Pilot (AVI) will be able to:

- Obtain an FAA certificate appropriate to the level of pilot proficiency;
- Apply the scientific method, develop hypotheses, analyze results and draw conclusions;
- Demonstrate the ability to use technology and software applications to produce an output or perform analyses appropriate to their academic program/discipline;
- Work with graphical, numerical or symbolic models to solve problems and interpret results.

Courses must be selected in consultation with the Program Coordinator.

NOTE: An important requirement for enrollment into the Aviation Science program is the successful completion of an FAA physical, leading to a 1ST or 2ND class Medical Certificate. The Medical Certificate is required by the Federal Aviation Administration in order for enrollees to act as a Pilot in Command in a commercial environment. A list of local FAA approved doctors will be provided by the Program Coordinator.

FEES: Aviation Science flight labs require additional and substantial lab fees (subject to change). Fees range from $9,146-$9,389 per semester. Prospective students are strongly encouraged to contact the Aviation Science Program Chair for more information.

NOTE: Students are required to pass the required FAA written exam, which will be administered at the end of each specified flight class. Flight labs will require the successful completion of stage exams, flight stage checks and at course completion, final stage check or practical test. Advancement through the program requires the above requirements being met.

Requirements

For requirements, see Program Map.

Program Map

		Course Hours Per Week		Semester Hours
First Semester		**Class**	**Lab**	**Credit**
AVI-100	AVIATION INTRODUCTORY SEMINAR	1	0	1
AVI-101	INTRODUCTION TO FLIGHT	4	0	4
AVI-111	INTRO TO FLIGHT LABORATORY	0	3	1
AVI-102	AVIATION HISTORY	3	0	3
ENG-101	COMPOSITION I	3	0	3
	US History & Civic Engagement Course			3
	Credit Hours	11	3	15
Second Semester		**Class**	**Lab**	**Credit**
AVI-104	INSTRUMENT FLIGHT	4	0	4
AVI-114	INSTRUMENT FLIGHT LABORATORY	0	3	1

		Course Hours Per Week		Semester Hours
MAT-185	PRECALCULUS	4	0	4
PHS-111	WEATHER AND CLIMATE	3	2	4
ENG-102	COMPOSITION II	3	0	3
	Credit Hours	14	5	16
Third Semester		**Class**	**Lab**	**Credit**
AVI-208	COMMERCIAL FLIGHT	3	0	3
AVI-218	COMMERCIAL FLIGHT LABORATORY I	0	3	1
AVI-110	AVIATION LAW	3	0	3
MAT-221	CALCULUS I	4	0	4
PHY-121	GENERAL PHYSICS I	3	3	4
	Credit Hours	13	6	15
Fourth Semester		**Class**	**Lab**	**Credit**
AVI-116	FLIGHT SAFETY	3	0	3
AVI-209	COMMERCIAL FLIGHT LABORATRY II	0	3	1
BUS-210	BUSINESS COMMUNICATION	3	0	3
PHY-122	GENERAL PHYSICS II	3	3	4
BHS-103	SOCIAL PROBLMS IN TODAY'S WRLD	3	0	3
	General Education Course (B)			3
	Credit Hours	12	6	17
Total Required Minimum Semester Hours Credit				63

a. Students are strongly encouraged to contact the Aviation Science Program Chair for the current negotiated fee for flight training and for course/program information. Fees are contractually set each year with the Flight School and depend heavily on current fuel charges. Students are required to pass the FAA written exam, which will be administered at the end of each specified flight class. Flight labs will require the successful completion of stage exams, flight stage checks and, at course completion, final stage check or practical test. Advancement through the program requires that each of these requirements be met. Students are given an incomplete for flight lab until the appropriate Final Stage Check has successfully been completed. Students cannot progress without completing the prerequisite courses.

b. Students must choose a course from SUNY General Education in a category not already fulfilled, i.e. Social Sciences, World History & Global Awareness, the Arts, World Languages. Click here for a full discussion of the free elective requirement.

Contact Information

Program Chair
John Trosie