

AVIATION SCIENCE: PILOT (AVI) (HEGIS 5302)

This program offers a state-of-the-art curriculum for those students who intend to enter the field of aviation as pilots. Designed primarily for students who anticipate transferring to a four-year institution to pursue a baccalaureate degree, the program contains a balance of liberal arts and sciences courses, technical courses, and flight labs.

The program specifically prepares matriculated students to meet the stringent requirements outlined by the FAA in order to acquire a Private Pilot Certificate and Commercial Pilot Certificate, both with an Airplane Category Rating and a Single Engine Class Rating. In this process, students will gain the knowledge and proficiency necessary to acquire an Instrument Rating. Students are provided with coordinated flight training in single engine airplanes and a ground trainer. Although primarily a transfer program, Aviation Science can also lead to a rewarding entry-level career in aviation support positions concerned with other multifaceted aspects of the aviation industry.

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. Refer to course descriptions and the college Master Schedule for fee specifics. At present, flight lab fees are estimated to total approximately \$26,200 if the program is completed in a two-year sequence.

The Associate in Science (A.S.) degree is awarded upon completion of requirements for this program.

- Student will satisfy all requirements to earn a Private Pilot License.
- Student will satisfy all requirements to earn an Instrument Rating.
- Student will satisfy all requirements to earn a Commercial Pilot License.

Courses must be selected in consultation with the Program Coordinator.



Course No.	Descriptive Title	Cr. Hrs.
<u>FIRST SEMESTER</u>		
AVI 100	Aviation Intro. Seminar	1
AVI 101	Introduction to Flight (a)	4
AVI 102	Aviation History	3
ENG 101	Composition I	3
CIS 111 (or higher)		3
WFE 101	Lifetime Wellness & Fitness	3
	TOTAL	17
<u>SECOND SEMESTER</u>		
AVI 104	Instrument Flight (a)	5
MAT 185	Pre-Calculus	4
PHS 111	Weather and Climate	3
ENG 102	Composition II	3
	TOTAL	15
<u>THIRD SEMESTER</u>		
AVI 208	Commercial Flight (a)	5
AVI 110	Aviation Law	3
MAT 221	Calculus I	4
PHY 121	General Physics I	4
	TOTAL	16
<u>FOURTH SEMESTER</u>		
AVI 116	Flight Safety	3
AVI 209	Commercial Flight Practicum (a)	1
HIS 104,108,121		3
PHY 122	General Physics II	4
BHS 103	Social Problems	3
Free Elective (b)		3
	TOTAL	17
	TOTAL CREDIT HOURS	65

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.

- a. Practical exams must be passed 7 days prior to the last day of class.
- b. See page 98 for a full discussion of the free elective requirement.