

Instrument Pilot

The Instrument Pilot program covers current topics in the aerospace industry for the advanced instrument student.

CERTIFICATE OF SPECIALIZATION

Required Courses			Units
Course			
Aviation-Navigation	APT	A132	(3)
Instrument Ground School	APT	A134	(3)
Flight Simulator Course	APT	A141	(3)
Total:			(9)

Commercial Pilot

The Commercial Pilot certificate covers current topics in the aerospace industry for the advanced aviation pilot student or working aviation professional.

CERTIFICATE OF SPECIALIZATION

Required Courses			Units
Course			
Commercial Pilot Ground School	APT	A139	(3)
Flight Instructor Ground School	APT	A140	(3)
Turbine Aircraft Systems	APT	A145	(3)
Total:			(9)

BUSINESS

BUSINESS ADMINISTRATION

The Business Administration program is designed to provide the opportunity for the transfer business major to achieve an Associate in Arts or Associate in Science degree. Students are advised to check course transferability for the school to which they intend to transfer.

Program Outcomes

Upon successful completion of the Certificate of Achievement in Business Administration, graduates will be able to:

Function effectively in entry-level business positions or at a four-year college business program using the skills, principles, and tools they have acquired.

Effectively apply and utilize the business principles and techniques they have learned in a business environment or at a four-year college business program.

Demonstrate effective written and/or oral skills.

CERTIFICATE OF ACHIEVEMENT

Required Courses

Course			Units
Financial Accounting	ACCT	A101	(4)
Managerial Accounting	ACCT	A102	(4)
Intro to Business	BUS	A100	(3)
Business Law	BUS	A110	(3)
Business Communication	BUS	A139	(3)
Intro to Computer Info Systems	CIS	A111	(3)
Macroeconomics	ECON	A180	(3)
Microeconomics	ECON	A185	(3)
Intro to Statistics	MATH	A160	(3)
(Or)			
Honors Intro to Statistics	MATH	A160H	(3)
(Or)			
Statistics for Behavioral Sci	PSYC	A160	(3)
Calculus for Biol Mgmt & Soc. Sci	MATH	A157	(4)
(Or)			
Calculus 1	MATH	A180	(4)
(Or)			
Honors Calculus 1	MATH	A180H	(4)
(Or)			
Honors Calculus 1 and 2	MATH	A182H	(5)
Total:			(33-34)

Suggested electives:

Accounting Info Sys 1	ACCT	A110	(3)
Business Finance	BUS	A200	(3)
Logic & Critical Thinking	PHIL	A150	(3)

ENTREPRENEURSHIP

The Entrepreneurship program is designed to develop skills in starting, maintaining, and growing a small business. Courses emphasize feasibility analysis, legal considerations, financial management, marketing plans, and sales techniques.

Program Outcomes

Upon successful completion of the Certificate of Specialization (CS) in Entrepreneurship, graduates will be able to:

1. Function effectively in an entrepreneurial venture and in a supporting role to an entrepreneur.
2. Effectively apply and utilize the small business principles and techniques they have learned in a business environment or at a four- year college entrepreneur program.
3. Determine the viability of a small business venture.

CERTIFICATE OF SPECIALIZATION

Required Courses

Course			Units
Accounting for Small Business	ACCT	A100	(3)
Business Finance	BUS	A200	(3)
Intro to Entrepreneurship	BUS	A240	(3)
Intro to Marketing	MKTG	A100	(3)
Professional Selling	MKTG	A110	(3)
TOTAL:			(15)

ASSOCIATE DEGREES

Complete the Certificate of Achievement and either the Associate in Arts or Associate in Science Graduation Requirements as outlined in the Graduation Requirements section of the catalog.

See ACCOUNTING
 COMPUTER INFORMATION SYSTEMS
 COMPUTER SCIENCE
 COMPUTERIZED OFFICE TECHNOLOGY
 FOOD SERVICE MANAGEMENT
 HOTEL MANAGEMENT
 MANAGEMENT
 MARKETING

CARDIOVASCULAR TECHNOLOGY

Cardiovascular technology is an allied health profession concerned with the diagnosis and treatment of patients with heart and blood vessel disease. The cardiovascular technologist performs tests at the request of a physician to obtain information about that patient's heart and blood vessel anatomy and function so the physician can make a diagnosis. The profession of cardiovascular technology includes three areas of diagnostic evaluation: 1) invasive cardiovascular technology (diagnosis of heart disease by cardiac catheterization), 2) noninvasive cardiovascular technology (diagnosis of heart disease by cardiac ultrasound, exercise, and electrocardiographic testing), and 3) noninvasive peripheral vascular study (diagnosis of blood vessel disease using ultrasound testing).

The Cardiovascular Technology program provides the necessary classroom and clinical courses to allow graduates to work as noninvasive cardiovascular technologists.

Specifically, the program objectives include:

1. Graduate qualified ECG technologists.
2. Graduate qualified noninvasive cardiovascular technologists who obtain RDCS within two years of completing the program and who are qualified in all noninvasive tests.
3. Provide an adequate number of graduates to meet the need for employees within the community.

During the first year of the program, students learn basic medical sciences and non-invasive cardiovascular tests including electrocardiography (ECG), exercise testing, Holter monitoring, pacemaker evaluation and continuous cardiac monitoring. Students may exit the program after the first year and obtain a Certificate of Achievement as an Electrocardiography Technician. With this certificate, graduates may obtain employment as an ECG technician, stress testing technician, Holter monitor technician, pacemaker technician and/or monitor (telemetry) technician.

Students wishing to complete the two-year program must complete the first year courses and Diagnostic Medical Sonography 150, and the general education for the Associate in Science degree. Graduates of the Noninvasive Cardiovascular Technology program option may obtain employment as a cardiovascular technologist performing all noninvasive tests, particularly cardiac ultrasound or echocardiography. Additionally, graduates may perform limited cerebrovascular ultrasound tests.

The Cardiovascular Technology program is fully accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Program Admission:

Allied Health 010 course – application and orientation.

The student must complete Associate of Science Degree graduation requirements and the program prerequisites prior to acceptance to the program.

ELECTROCARDIOGRAPHY TECHNICIAN

Employment possibilities include:

ECG Technician
Stress Testing Technician
Holter Monitor Technician
Pacemaker Technician
Monitor (Telemetry) Technician

Program Outcome

Students will be prepared for entry-level employment as a professional and competent Cardiovascular Technologist to meet the needs of the local health care community.

CERTIFICATE OF ACHIEVEMENT

Program prerequisites:

Health Occupations	ALH	A010	(.5)
Anatomy-Physiology	BIOL	A221	(4)

Required Courses

Course			Units
Fall			
Medical Terminology	ALH	A111	(3)
Patient Care	ALH	A115	(2.5)
Intro to Computer Appl	CIS	A100	(3)
Intro to Electrocardiography	CVT	A100	(2)
Cardiac Anat & Pathophysiology	CVT	A160	(3)
Technical Math*	TECH	A040	(3)
Spring			
Human Diseases	ALH	A120	(2)
Intro to Invasive Cardiology	CVT	A130	(3)
Adv Electrocardiography	CVT	A150	(2)
ECG Clinical Experience	CVT	A170	(3)
Total:			(31)

*(or Math A030 or higher or placement at appropriate Math level)

Suggested elective:

Ethics	PHIL/RLST	A120	(3)
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Students are required to obtain a grade of "C" or better in all required courses.

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