

Information Systems Technology

Associate of Applied Science Degree

Program Coordinator: Tamara Lasley • LRC 215 • 276-739-2503

Length: Four semesters (two years)

Purpose: The Associate of Applied Science program is designed to provide a broad base of information systems and computer software experience, which will prepare the graduate to enter the work force upon graduation. With the rapid development of business and industrial applications of information systems, there is a growing demand of qualified personnel in this area.

Occupational Objectives: Software Applications Programmer, Database Associate, Program Tester, Web Page Developer

Admission Requirements: In addition to the admission requirements established for the college entry into the Associate of Applied Science Degree Program in Information Systems Technology requires proficiency in high school English and mathematics. Students who are not proficient in English and mathematics will be required to correct their deficiencies in developmental courses. Keyboarding skills are highly recommended. Students may enroll in AST 114 or 101 to upgrade keyboarding skills.

Program Requirements: The curriculum includes courses in information systems, programming, web page design, help desk topics, productivity software, database management, accounting, business and related areas as well as general education. Instruction covers both the theoretical concepts and practical applications needed for future success in business and industry. Each student is urged to consult carefully with the counselor and a faculty advisor. Some courses within this curriculum may be applied to a four-year college program at the discretion of the admitting institution. Upon satisfactory completion of the four-semester curriculum listed, the graduate will be awarded the Associate of Applied Science Degree in Information Systems Technology.

Notes on Transfer: Associate of Applied Science Degree programs are designed primarily to provide occupational competence for employment entry. Upon the student's request, courses may be modified to provide possible transfer acceptability by four-year colleges and universities.

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
First Semester (Fall)				
ENG 111	College Composition I	3	0	3
ITD 110	Web Page Design I	3	0	3
ITE 115 or 119	Intro. to Computer Applications & Concepts or Information Literacy	3	0	3
ITE 182	User Support/Help Desk Principles	3	0	3
MTH 132	Business Mathematics ¹	3	0	3
SDV 101	Orientation to College Success	1	0	1
Total		16	0	16
Second Semester (Spring)				
ENG 112 or CST 100	College Composition II or Principles of Public Speaking	3	0	3
BUS 225	Applied Business Statistics ¹	3	0	3
EEE	Humanities Elective	3	0	3
ITP 100	Software Design	3	0	3
ITE 140	Spreadsheet Software	3	0	3
Total		15	0	15

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
Third Semester (Fall)				
ITE 150	Desktop Database Software	4	0	4
ITN 154	Networking Fundamentals (CISCO I)	3	2	4
ITP 120	Java Programming I	4	0	4
ITP 140	Client Side Scripting	3	0	3
ECO 201 or ECO 202	Principles of Economics I or II	3	0	3
Total		17	2	18
Fourth Semester (Spring)				
ITD 132	Structured Query Language ²	4	0	4
ITN 113	Active Directory (Windows Server)	3	0	3
ITP 240	Server Side Scripting	3	0	3
EEE	Social Science Elective	3	0	3
EEE	Approved IT Elective or Co-op Education	3	0	3
SDV 106	Preparation for Employment	1	0	1
Total		17	0	17
Total Minimum Credits for AAS Degree				66

Footnote:

1. Prerequisite: MTH 132.
2. Prerequisite: ITE 115 or ITE 119 & ITE 150 or Division Approval.

VHCC policy requires that students must keep their IT skills up to date. Therefore, IT courses transferred from other institutions and IT courses completed at VHCC must not be more than 5 years old for IT majors. If a student can demonstrate competency, the student may appeal the rule by requesting departmental approval from the lead faculty in the IT Department.

Students are urged to follow the [recommended pathway](#) for this degree when choosing electives.

Additional approved humanities and social science electives are listed at <http://www.vhcc.edu/GenEdCore>.