

# Information Systems Technology

## Programming Specialization

*Associate in Applied Science*



The purpose of the Associate in Applied Science degree program in Information Systems Technology is to prepare students for full-time employment with business, industry, and government organizations as entry level programmers.

The Programming specialization includes multiple language requirements to prepare students to work in various environments. The student will have exposure to state-of-the-art language preparation for the changing commerce environment. Extensive hands-on practice will provide skills to immediately apply knowledge in a work environment. In addition, students will acquire the skills necessary to design, configure, and implement a microcomputer system as a stand-alone and networked system. Courses in this curriculum map to A+ Certification.

With an Associate in Applied Science degree in Programming, a graduate can ply his or her knowledge in occupations such as entry level computer programming, entry level web design/programming, technical systems support, and other related processing operations.

Students are urged to consult with their advisor in planning this program and selecting courses. Students planning to attend a four-year college or university after acquiring a two-year degree should acquaint themselves with which credit courses will transfer to the institution of their choice.

**Central Virginia Community College**

call (434)-832-7800

AA/EEO/ADA • VTDD (434) 832-7701



In addition to the admission requirements established for the College, entry into the Associate in Applied Science degree curriculum in Information Systems Technology requires all students to have completed one year of high school algebra or equivalent. A keyboarding skill of a minimum 25 words per minute is required, as well as a proficiency in English.

## IST: Programming Specialization — Degree Requirements

Course No.	Course Title	First Year	
		1st Sem.	2nd Sem.
	Computer Elective <sup>1</sup>	3	-
ENG 111	College Composition I	3	-
ITE 130	Introduction to Internet Services	3	-
ITP 112	Visual Basic Net I	4	-
MTH 121	Fundamentals of Mathematics <sup>2</sup>	3	-
SDV 100	Orientation	1	-
ACC 211	Principles of Accounting I	-	4
ENG 131	Technical Report Writing I <sup>3</sup>	-	3
HLT/PED	Health or Physical Education	-	1
ITD 110	Web Page Design I	-	3
ITD 136	Database Management Software	-	3
ITE 221	PC Hardware and OS Architecture	-	4
<b>Total</b>		<b>17</b>	<b>18</b>

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
	Humanities Elective <sup>4</sup>	3	-
	Social Science Elective <sup>4,5</sup>	3	-
ITD 112	Designing Web Page Graphics	3	-
ITP 120	Java Programming I	4	-
ITP 212	Visual Basic Net II	4	-
HLT/PED	Health or Physical Education	-	1
ECO 120	Survey of Economics <sup>5</sup>	-	3
ITN 101	Introduction to Network Concepts	-	3
ITP 220	Java Programming II	-	4
ITP 258	Systems Development Project	-	4
<b>Total</b>		<b>17</b>	<b>15</b>

**Minimum credits required to graduate** **67**

<sup>1</sup> Select from BUS 226 Computer Business Applications or ITE 115 Introduction to Computer Applications and Concepts.

<sup>2</sup> A higher math requirement may be substituted for MTH 121.

<sup>3</sup> ENG 112 may be substituted for ENG 131.

<sup>4</sup> See course catalog for available courses.

<sup>5</sup> ECO 120 and social science elective may be satisfied by taking ECO 201-202.