

Information Systems Technology

Application Software 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 applications software specialists.



The Application Software specialization includes spreadsheet, database, multimedia, Web site design, and other specialized programs. In addition, students will acquire skills necessary to design, configure, and implement a microcomputer system as a stand-alone and networked system. Courses in this curriculum map to Microsoft Office Specialist (MOS) Certification.

With an Associate in Applied Science degree in Application Software, a graduate can ply his or her knowledge in occupations such as office automation specialist, help desk, information processing specialist, microcomputer sales trainee, office systems analyst, entry level web designer/maintenance, and other related office occupations.

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: Application Software Specialization — Degree Requirements

Course No.	Course Title	First Year	
		1st Sem.	2nd Sem.
HLT/PED	Health or Physical Education	1	1
	Computer Elective ¹	3	-
ENG 111	College Composition I	3	-
ITE 130	Introduction to Internet Services	3	-
MTH 121	Fundamentals of Mathematics ²	3	-
SDV 100	Orientation	1	-
	Social Science Elective ^{3,4}	3	-
ITD 110	Web Page Design I	-	3
ITE 150	Desktop Database Software	-	3
ITD 136	Database Management Software	-	3
ITN 101	Introduction to Network Concepts	-	3
ACC 211	Principles of Accounting I	-	4
Total		17	17

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
ITE 140	Spreadsheet Software I	3	-
ITD 112	Designing Web Page Graphics	3	-
ITP 112	Visual Basic Net I	4	-
	Humanities Elective ³	3	-
ENG 131	Technical Report Writing I ⁵	3	-
ECO 120	Survey of Economics ⁴	-	3
ITE 215	Advanced Computer Application And Integration	-	3
ITE 221	PC Hardware and OS Architecture	-	4
ITD 210	Web Page Design II	-	3
ITP 258	Systems Development Project	-	4
Total		16	17

Minimum credits required to graduate

67

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

² A higher math requirement may be substituted for MTH 121.

³ See course catalog for available courses.

⁴ ECO 120 and social science elective may be satisfied by taking ECO 201-202.

⁵ ENG 112 may be substituted for ENG 131.