

Information Systems Technology

Web Developer 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 to build and maintain websites and business interface through the internet.

The Web Developer specialization includes Web server installation and maintenance, Web page design using markup language, and client side and server side programming tools, Web management software, photo manipulation and graphics, e-commerce, and database management. Students will acquire skills to design, build, and maintain a Web presence and install and maintain required Web and application servers. Courses in this curriculum map to Certified Internet Webmaster (CIW) curriculum.

With an Associate in Applied Science degree in Web Developer, a graduate can ply his or her knowledge in occupations such as Web page developer, Web master, e-commerce site builder, and other related internet/Web 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: Web Developer Specialization — Degree Requirements

Course No.	Course Title	First Year	
		1st Sem.	2nd Sem.
	Computer Elective ¹	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 ²	3	-
SDV 100	Orientation	1	-
ACC 211	Principles of Accounting I	-	4
ENG 131	Technical Report Writing I ³	-	3
HLT/PED	Health or Physical Education	-	1
ITD 110	Web Page Design I	-	3
ITN 224	Web Server Management	-	3
ITN 101	Introduction to Network Concepts	-	3
Total		17	17

Course No.	Course Title	Second Year	
		1st Sem.	2nd Sem.
ITD 136	Database Management Software	3	-
ITD 210	Web Page Design II	3	-
ITP 225	Web Scripting Languages	3	-
ITD 112	Designing Web Page Graphics	3	-
HLT/PED	Health or Physical Education	1	-
	Social Science Elective ^{4,5}	3	-
MKT 282	Principles of E-Commerce	-	3
ECO 120	Survey of Economics ⁵	-	3
	Humanities Elective ⁴	-	3
ITD 212	Interactive Web Design	-	3
ITP 258	Systems Development Project	-	4
Total		16	16

Minimum credits required to graduate **66**

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 ENG 112 may be substituted for ENG 131.

⁴ See course catalog for available courses.

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