

## Web Development and Administration Option

	Course	Prerequisites				
Technical Core	CIS120 Program Design and Development	Computer literacy course, MT 120 or MT 122, or consent of instructor				
	CIS130 Microcomputer applications	CIS100 or equivalent				
	IT 105 Computer Maintenance Essentials	Computer literacy & placement in 120MT or 125MT or Consent of instructor				
	IT 205 Advanced Computer Maintenance	IT 105				
	NIS160 Networking Core Technologies or IT 120 Cisco Internetworking I	(IT 105) OR (ET232 and ET 234) OR Consent of instructor				
	IT 170 Introduction to Database Design	Computer literacy course, MT 120 or MT 122, or consent of instructor				
	IT 132 Web Page Design or IT130 Web Site Design and Production	Computer literacy course or consent of instructor				
	CIS149 - JAVA I	OR	CIS148 - VISUAL BASIC I	CIS120 or consent of instructor		
	CIS249 – JAVA II	OR	CIS248 - VISUAL BASIC II	CIS149 - JAVA I	OR	CIS149 - VISUAL BASIC I
	NIS152 JavaScript		IT132 and CIS120			
	IT130 Web Site Design and Production		CIS 100			
	IT230 Advanced Web Page Development		IT132 and NIS 152			
	IT 235 Data-driven Web Design		IT 230 and IT 170			
	NIS 275 Internet Servers Administration		NIS160 or IT 120 Cisco Internetworking I			
	IT 295 Web Development and Administration Practicum: Site Implementation		IT 230 (Concurrent) and NIS 275			
	Another networking course		NIS 160 or IT 120 Cisco Internetworking I or higher			
Another Beginning Level Programming Course (CIS148 VISUAL BASIC I or CIS149 JAVA I) or Advanced Level Programming Course (CIS258 VISUAL BASIC III or CIS259 JAVA III)		CIS120 (Beginning Level Programming Course) or CIS248 (for CIS258) or CIS249 (for CIS259)				
Other technical electives may be approved by the program coordinator						
Beginning Level Programming Language Courses	CIS148 Visual Basic I	CIS120 or consent of instructor				
	CIS149 Java Programming I	CIS120 or consent of instructor				
	CS115 Introduction to Computer Programming	None				
	NIS 152 JavaScript	CIS120 or consent of instructor				

Elizabethtown Community And Technical College  
Suggested Curriculum for the Associate Degree in Applied Science in Information Technology  
**Web Development and Administration**

No.	Course	Credits	Complete	Grade
<b>First Semester ( 15 Credit Hours)</b>				
ENG 101	Writing I	3		
IT 105	Computer Maintenance Essentials *	3		
MA 109	College Algebra	3		
CIS 120	Program Design	3		
	Oral Communications Course	3		
<b>Second Semester ( 15 Credit Hours)</b>				
ENG 102	Writing II	3		
	Beginning Level Programming Language	3		
IT 205	Advanced Computer Maintenance *	3		
IT 132	Web Design	3		
CIS 130	Microcomputer Applications	3		
<b>Summer Session ( 7 Credit Hours)</b>				
	NIS 150 Perl Programming I <b>OR</b> NIS 152 Javascript	3		
IT 130	Web Site Design and Production	4		
<b>Third Semester ( 16 Credit Hours)</b>				
	CIS 248 Visual Basic II <b>OR</b> CIS 249 Java Programming II	3		
IT 230	Advanced Web Page Development	3		
IT 170	Introduction to Database Design	3		
	NIS 160 Networking Essentials or IT 120 Cisco Internetworking I	3-4		
	Social Interaction Course	3		
<b>Fourth Semester ( 19 Credit Hours)</b>				
IT 235	Data-driven Web Design	3		
	NIS 275 Internet Servers Administration <b>OR</b> NIS 213 Admin MS Windows Server	3		
	Technical Elective	3		
IT 295	Web Development and Administration Practicum: Site Implementation	3		
	Science Course with a lab	3-4		
	Heritage / Humanities Course	3		
<b>TOTAL CREDIT HOURS:</b>		<b>72</b>		

\* Students may also take ET232 or CIS110 and ET 234 instead of IT 105 and IT 205. (Students can not “Mix and Match”).