

TECHNICAL & VOCATIONAL PROGRAMS

Web Technology

A 25 29 OWT Associate in Applied Science

The Web Technologies curriculum is designed to prepare graduates for employment with organizations that use computers to disseminate information via the Internet internally, externally, and/or globally. The curriculum will prepare students to create and implement these services. Course work includes computer and Internet terminology and operations, logic, operating systems, database and data communications/networking, and related topics. Studies will provide opportunities for students to implement, support, and customize industry-standard Internet technologies. Graduates should qualify for career opportunities as webmasters, Internet and intranet administrators, Internet applications specialists, Internet programmers, and Internet technicians. Government institutions, industries, and other organizations employ individuals who possess the skills taught in this curriculum.

General Education Courses

<i>Communications</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
ENG 111 Expository Writing	[ENG 090/RED 090]	F1	3	0	3
ENG 111A Expository Writing Lab	[Coreq. - ENG 111]	F1	0	1	1
<i>Choose one of the following:</i>					
ENG 112 Argument Based Research	[ENG 111]	S1	3	0	3
ENG 113 Literature Based Research	[ENG 111]	S1	3	0	3
ENG 114 Professional Research & Reporting	[ENG 111]	S1	3	0	3
<i>Choose one of the following:</i>					
COM 110 Introduction to Communications	[ENG 090/RED 090]	F1	3	0	3
COM 120 Interpersonal Communication	[ENG 090/RED 090]	F1	3	0	3
COM 231 Public Speaking	[ENG 111]	F1	3	0	3
<i>Natural Science/Mathematics</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
MAT 115 Mathematical Models	[MAT 070]	F1	2	2	3
<i>Social/Behavioral Science:</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
(Choose 3 semester credit hours of approved courses from the CAA Course List)	[Varies]	S1	3	0	3
<i>Humanities/Fine Arts:</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
(Choose 3 semester credit hours of approved courses from the CAA Course List. Humanities elective cannot be elementary foreign language course or COM course.)	[Varies]	F2	3	0	3

Major Courses: Core

<i>Core courses</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
CIS 110 Introduction to Computers	[ENG 090/RED 090/MAT 070]	F1	2	2	3
OR CIS 111 Basic PC Literacy			1	2	2
CIS 115 Intro to Prog & Logic	[MAT 070 or MAT 080 or MAT 090 or MAT 095 or MAT 120 or MAT 121 or MAT 161 or MAT 171 or MAT 175]	S1	2	3	3
DBA 110 Database Concepts	[CIS 110 or CIS 111]	F2	2	3	3
NOS 110 Operating Systems	[CIS 110 or CIS 111]	S1	2	3	3
SEC 110 Security Concepts	[NET 110]	S2	3	0	3
BUS 110 Introduction to Business	[ENG 090/RED 090]	S1	3	0	3
NET 110 Networking Concepts	[CIS 110 or CIS 111]	F2	2	2	3
WEB 110 Internet/Web Fundamentals	[None]	F1	2	2	3
WEB 115 Web Markup and Scripting	[WEB 110]	F2	2	2	3
WEB 120 Intro Internet Multimedia	[WEB 110/CIS 110 or CIS 111]	F2	2	2	3
WEB 140 Web Development Tools	[WEB 110]	S1	2	2	3
WEB 210 Web Design	[WEB 110]	F2	2	2	3
WEB 230 Implementing Web Serv	[NET 110]	S2	2	2	3
WEB 250 Database Driven Websites	[DBA 110]	S2	2	2	3

Other Required Hours

<i>Courses</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
COE 110 World of Work		F1	1	0	1
ITN Elective*	[Varies]	S2	Varies	Varies	2-3
ITN Elective*	[Varies]	S2	Varies	Varies	3
ITN Elective*	[Varies]	S2	Varies	Varies	3

Total Semester Hours Required for Associate Degree:

69-71

<i>*ITN Electives. Choose from the following:</i>	<i>[prerequisite]</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
COE 112 Co-op Work Experience I	[Min. GPA 2.0, 9 hrs in major]	Varies	Varies	2
CSC 151 Java	[CIS 110 or CIS 111/CIS 115 or CSC 139 or CSC 134]	2	3	3
CTS 120 Hrd/Software Support	[CIS 110 or CIS 111]	2	3	3
DBA 115 Database Applications	[DBA 110]	2	3	3
DBA 120 Database Programming	[DBA 110]	2	2	3
NOS 120 Linux/Unix Single User	[NOS 110]	2	2	3
NOS 130 Windows Single User	[NOS 110]	2	2	3
WEB 183 Perl Programming	[CIS 115]	2	2	3

Web Technology

The following lists course requirements for certificate programs. Please note that courses listed are not in order based on semester.

C 25 29 0W Certificate: Web Page Designer

	<i>[prerequisite]</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
WEB 110 Internet/Web Fundamentals	[None]	2	2	3
WEB 115 Web Markup and Scripting	[WEB 110]	2	2	3
WEB 140 Web Development Tools	[WEB 110]	2	2	3
WEB 210 Web Design	[WEB 110]	2	2	3

Total Semester Hours Required for Certificate:

12



College of The Albemarle
 Associate in Applied Science
 Web Technologies (A 25 29 0)
 Graduation Check Sheet – 2009-2011

Listed below are the requirements for your degree program. It is your responsibility to keep this sheet up-to-date and review it with your advisor to know what you need to graduate. Complete the Graduation Application one semester prior to the intended date of graduation.

Title	Sequence	Credit	Grade	Semester
I. GENERAL EDUCATION COURSES				
Communications				
ENG 111 Expository Writing [P=ENG090/RED090. C=ENG111A]	F1	3	_____	_____
ENG 111A Expository Writing Lab [C=ENG111]	F1	1	_____	_____
ENG 112 Argument Based Research [P=ENG111]				
-or-				
ENG 113 Literature Based Research [P=ENG111]	S1	3	_____	_____
-or-				
ENG 114 [P=ENG111]				
COM 110 Introduction to Communications [P=ENG090/RED090]				
-or-				
COM 120 Interpersonal Communication [P=ENG090/RED090]	F1	3	_____	_____
-or-				
COM 231 Public Speaking [P=ENG111]				
Natural Science/Mathematics:				
MAT 115 Mathematical Models [P=MAT070]	F1	3	_____	_____
Social/Behavioral Science: (Choose 3 semester credit hours of approved courses from the CAA course List)				
_____ [P=Varies]	S1	3	_____	_____
Humanities/Fine Arts: (Choose 3 semester credit hours of approved courses from the CAA course List. Humanities elective cannot be foreign language course or COM class.)				
_____ [P=Varies]	F2	3	_____	_____
II. MAJOR COURSES				
A. CORE				
CIS 110 Introduction to Computers [P=ENG090, RED090, MAT070]	F1	2-3	_____	_____
or CIS 111 Basic PC Literacy				
CIS 115 Intro to Prog & Logic [P=MAT070, MAT080, MAT090, MAT095, MAT120, MAT121, MAT161, MAT171, or MAT175]	S1	3	_____	_____
DBA 110 Database Concepts [P=CIS110 or CIS111]	F2	3	_____	_____
NOS 110 Operating Systems [P=CIS110 or CIS111]	S1	3	_____	_____
SEC 110 Security Concepts [P=NET110]	S2	3	_____	_____
BUS 110 Introduction to Business [P=ENG090, RED090]	S1	3	_____	_____
NET 110 Networking Concepts [P=CIS110 or CIS111]	F2	3	_____	_____
WEB 110 Internet/Web Fundamentals	F1	3	_____	_____

WEB 115 Web Markup and Scripting [P=WEB110]	F2	3	_____	_____
WEB 120 Intro Internet Multimedia [P=WEB110, CIS110 OR CIS111]	F2	3	_____	_____
WEB 140 Web Development Tools [P=WEB110]	S1	3	_____	_____
WEB 210 Web Design [P=WEB110]	F2	3	_____	_____
WEB 230 Implementing Web Services [P=NET110]	S2	3	_____	_____
WEB 250 Database Driven Websites [P=DBA110]	S2	3	_____	_____

C. OTHER MAJOR HOURS

COE 110 World of Work	F1	1	_____	_____
ITN Elective*	S2	2-3	_____	_____
ITN Elective*	S2	3	_____	_____
ITN Elective*	S2	3	_____	_____

* WEB Tech Electives. Choose from the following:
 COE112 Cooperative Education [P=min GPA 2.0, 9 hrs in major] (2 hrs)
 CSC151 Java [P=CIS110 or CIS111, CIS115 or CSC139 or CSC134]
 CTS 120 Hrd/Software Support [P=CIS110 or CIS111]
 DBA115 Database Applications [P=DBA110]
 DBA120 Database Programming [P=DBA110]
 NOS120 Linux/Unix Single User [P=NOS110]
 NOS130 Windows Single User [P=NOS110]
 WEB183 Perl Programming [P=CIS115]

Total Semester Hours Required for Degree

69-71



College of The Albemarle
Web Technologies
Web Page Designer (C 25 29 0W)
Graduation Check Sheet – 2009-2011 Catalog

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Title	Sequence	Credit	Grade	Semester
WEB 110 Internet/Web Fundamentals	F1	3	_____	_____
WEB 115 Web Markup and Scripting [P=WEB110]	F2	3	_____	_____
WEB 140 Web Development Tools [P=WEB110]	S1	3	_____	_____
WEB 210 Web Design [P=WEB110]	F2	3	_____	_____
Total Semester Hours for Certificate		12		