

Associate in Applied Science



Web Technologies (A25290)



Overview

The Web Technologies (previously Internet Technologies) curriculum prepares graduates for careers in the information technology arena using computers and distributed computing to disseminate and collect information via the web.

Course work in this program covers the terminology and use of computers, network devices, networks, servers, databases, applications, programming languages, web applications, and site development and design. Studies will provide opportunity for students to learn related industry standards.

Graduates should qualify for career opportunities as designers, administrators, or developers in the areas of web applications, websites, web services, and related areas of distributed computing.

The expanding integration of WEB technologies into businesses has resulted in a growing need for specialists who can develop and support Internet and intranet applications. The growth of electronic commerce means that more establishments use the Internet to conduct their business online. The introduction of the wireless Internet, known as WiFi, creates new systems to be analyzed and new data to be administered.

The spread of such new technologies translates into a need for information technology professionals who can help organizations use technology to communicate with employees, clients, and consumers. Explosive growth in these areas also is expected to fuel demand for specialists who are knowledgeable about network, data, and communications security.

Student Plan Meeting Course Requirements Semester 1 (Fall):

		Class	Lab	Credits
CIS 110	Introduction to Computers	2	2	3
WEB 110	Internet/Web Fundamentals	2	2	3
CTS 115	Info. Sys. Business Concepts	3	0	3
WEB 119	Web Tech. Program Orientation	1	2	2
MAT 140	Survey of Mathematics	3	0	3
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Semester 2 (Spring):

CIS 115	Introduction to Prog and Logic	2	2	3
DBA 110	Database Concepts	2	3	3
WEB 140	Web Development Tools	2	2	3
NOS 110	Operating Systems Concepts	2	3	3
WEB 115	Web Markup and Scripting	2	2	3
	Humanities/Fine Arts Elective			3
				<u>18</u>

Summer:

ENG 111	Expository Writing	3	0	3
COM 110	Introduction to Communication (COM 120 or COM 231 may substitute)	3	0	3
	Social/Behavioral Sciences Elective			3
				<u>9</u>

Semester 3 (Fall):

WEB 120	Intro Internet Multimedia	2	2	3
WEB 210	Web Design	2	2	3
WEB 250	Database Driven Websites	2	2	3
NET 110	Networking Concepts	2	2	3
	Technical Electives			3
				<u>15</u>

Semester 4 (Spring):

WEB 230	Implementing Web Services	2	2	3
SEC 110	Security Concepts	3	0	3
WEB 289	Web Technologies Project	1	4	3
ENG 114	Professional Research & Reporting (ENG 112 or ENG 113 may substitute)	3	0	3
	Technical Electives			3
				<u>15</u>

Students must complete a minimum of 6 SHC of electives from the following course prefixes: COE**, CSC, WEB, CIS, CTS, DBA, GRA, NET, NOS, SEC.

** A maximum of 3 credit hours with COE prefix.

Total Credit Hours: 71

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