

Computer Information Technology–Web Development

Degree Awarded: Associate in Applied Science

Recommended Course Sequence

First Semester		Credits
ENG 101	Freshman English 1	3
MAT ____	College Algebra or higher	3
CIT 103	Management Information Systems	3
CIT 100	Computer Literacy	3
CIT 111	Internet and HTML	3
PES 100	Concepts of Physical Wellness	1
Second Semester		
ENG 102	Freshman English 2	3
MAT ____	College Trigonometry or higher	3
BUS 111	E-Business Principles	3
CIT 217	Unix/Linux	3
CIT 108	Web Page Programming 1	3
PES ____	Physical Education	1
Third Semester		
_____	Social Science Elective	3
CIT 105	Data Comm. & Intro to Networking	3
CIT 211	Systems Analysis	3
CIT 225	Database Funds. and Design	3
CIT 205	Web Page Programming 2	3
Fourth Semester		
_____	Social Science Elective	3
CIT 208	Flash Programming	3
CIT 230	Internship (E-Commerce Practicum)	3
CIT 212	Systems Design	3
CIT 215	Web Site Management	3
CIT 216	Internet Security	3

Total Credits: 65

Program Description

The Associate in Applied Science degree program in CIT–Web Development prepares students for job entry in the field of Internet Systems. The theory and practical experience students gain allows them to enter jobs with highly competitive salaries. This degree program offers the coursework that provides background information to prepare for CIW certifications. The primary focus of this degree program is in the area of Installation and configuring web server services and programs. The degree course work introduces students to basic web systems and builds on theoretical and technical knowledge and skills to develop a strong understanding of web technologies including the implementation of client and server sided web pages. Classes are designed to provide students with training utilizing state-of the-art computer facilities. Students are also placed in a work environment in order to provide actual service to a business through the CIT–Web Development internship. Students are encouraged to discuss their future career and/or transfer goals with a CIT–Web Development advisor.

Admission Criteria

Admission to this program requires that students be high school graduates or have high school equivalency diplomas (GEDs). If students are not high school graduates, they may be eligible for admission to the College's 24 Credit Hour Program. If students are home schooled, they may be eligible for admission. (See pages 7 through 13 for more details on the admission process for all applicants.) Students should place into ENG 101 and MAT 121.)

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Student Learning Outcomes

Students will:

- summarize how Web Servers, Browsers, XHTML, and Scripting Languages contribute to the Internet resource known as the Web.
- analyze an existing system and determine appropriate systems design implementation strategies.
- create and implement a Web site development cycle.
- create a Web page that utilizes XHTML, JavaScript, Flash, Dynamic HTML.
- identify and summarize security issues and then program a secure application for the internet.
- identify and discuss general quality assurance principles.
- create client sided Web page programs.
- create server-sided Web page programs.



Career Opportunities

- Web Development Company
- small businesses
- corporations
- advertising agencies
- medical offices
- government agencies
- schools
- colleges
- consulting firms

Transfer Opportunities

While the A.A.S. degree leads to immediate employment, SUNY Orange students have successfully transferred to:

- Marist College
- Mount St. Mary College
- SUNY Institute of Technology
- SUNY Delhi

Contact Information

Applied Technologies
Department Chair
341-4523
Admissions Office
(845) 341-4030