



Discover

Schoolcraft College

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Web Specialist

The growth of the Internet and its constantly changing technology has led to a variety of new jobs related to the design, development and maintenance of websites and their servers.

Schoolcraft's Web Specialists associate degree program prepares you to design webpages and program for the Web. Ultimately, as a Webmaster, you could be responsible for all technical aspects of a website. Or, as a Web developer or Web designer, you could be responsible for day-to-day site design and creation.

Successful Web specialists understand how to communicate visually through design and how to develop a site that is user friendly and functional.

Schoolcraft also offers Computer Graphics Technology. See our catalog or website for details.

FREQUENTLY ASKED QUESTIONS

What Does a WEB SPECIALIST Do?

Web specialists design, develop, operate, maintain and manage websites. They could be involved with issues ranging from the speed of access to approving the content of a site. Working as contractors or consultants, they may be involved in both the front-end design and the back-end programming, database integration and system setup.

What Characteristics Do I Need To Work In This Field?

Obviously, you must enjoy working on a computer for long periods of time. In addition, you should think logically, enjoy solving problems, have an interest in technology and be ready to accept constant change. A Web specialist must be very detail oriented, and should have the skills to work successfully in a team.

Where Could I Find a Job?

Computer systems design firms employ a large number of Web specialists. A growing number of specialists are self-employed, working independently as contractors or consultants on a contract basis.

What Is My Employment Outlook?

Employment opportunities for Web specialists are expected to grow as fast as the average for all occupations through the year 2020 as organizations continue to adopt increasingly sophisticated technologies.

Related Websites

- International Webmasters Association www.iwanet.org
- Association for Computing Machinery www.acm.org
- Institute of Electrical and Electronics Engineers Computer Society www.computer.org

For More Information

Visit www.schoolcraft.edu where you can view course and program information, schedule a campus tour, apply for admission, register for courses, and request more information.

Contact the Admissions and Enrollment Center at 734-462-4426 with additional questions.

employment

JOB TITLES & MEDIAN SALARIES OR HOURLY RATES

- Web Page Designer \$43,500 (national)
- Web Developer \$61,048 (Michigan)

Program Requirements — 2012–2013 CATALOG

COMPUTER INFORMATION SYSTEMS— WEB SPECIALIST ASSOCIATE DEGREE Schoolcraft program code # AAS.00275

The technology of the Internet is constantly evolving both in terms of delivery infrastructure and website development tools. To stay abreast of these technological advances requires programming and design knowledge, skills and experience. A good site must include both quality visual communication design and functionality. Programming is needed for interactivity to search databases and track usage. Visual Graphic Design is needed to convey the content message and provide branding for products and services.

This degree is designed to prepare the Internet Professional to design Web pages and to program for the Web. It provides the working knowledge of various programming languages, multimedia technologies, graphic development, and Web design tools. The Internet Professional may be involved with designing, developing, operating, maintaining and managing Web-based publishing.

All courses are not offered each semester. Students should work with the Counseling Center to set up a schedule that will work for them. Students who satisfactorily complete all College Requirements qualify for an Associate in Applied Science Degree.

SAMPLE SCHEDULE OF COURSES

FIRST YEAR		Fall Semester	
CGT 109	Design Concepts and Technology	.....	3
CGT 123	Illustration—Illustrator	.....	3
CGT 125	Digital Imaging I—Photoshop	.....	3
CIS 129	Introduction to Programming Logic	.....	3
CGT 136	Web Design and Development 1	.....	3
			15
		Winter Semester	
MATH 113	Intermediate Algebra for College Students	.....	4
ENG 101	English Composition 1	.....	3
CIS 171	Introduction to Networking	.....	3
COMA 103	Fundamentals of Speech	.....	3
CGT 163	Web Design and Development 2	.....	3
			16
		Spring Session	
ENG 102	English Composition 2	.....	3
SECOND YEAR		Fall Semester	
CIS 250	Systems Development and Design	.....	4
CGT 234	Web Design and Development 3	.....	3
CIS 238	JavaScript	.....	3
Social Science	Select 1	.....	3
POLS 105	Survey of American Government		
PSYCH 153	Human Relations		
Elective	Select from the list below	.....	3
			16
		Winter Semester	
HUM 106	Introduction to Art and Music	.....	1
CGT 237	Dynamic Web Design With ColdFusion	.....	3
CGT 211	Flash	.....	3
Science*	Select any General Education Science course	.....	4
Elective	Select from the list below	.....	3
			14
PROGRAM TOTAL 64 CREDITS			

* Number of credits may vary depending on the General Education Science course selected.

Students planning to transfer should check the transfer institution's requirements/guides or discuss their options with a counselor or advisor. Number of credits may vary depending on the course selection.

ELECTIVES

CIS 125	Principles of Information Security	.....	3
CIS 176	Visual Basic.NET	.....	3
CIS 185	Introduction to HTML	.....	3
CIS 223	Introduction to C#	.....	3
CIS 225	Database Management Systems	.....	3
CIS 255	Introduction to LINUX	.....	3
CGT 141	Introduction Interactive Media and Game Design	...	3
CGT 206	Scripting for Interactive Media and Game Design	...	3

COMPUTER INFORMATION SYSTEMS— WEB SPECIALIST CERTIFICATE Schoolcraft program code #1YC.00241

The technology of the Internet is constantly evolving both in terms of delivery infrastructure and website development tools. To stay abreast of these technological advances requires programming and design knowledge, skills and experience. A good site must include both quality visual communication design and functionality. Programming is needed for interactivity to search databases and track usage. Visual Graphic Design is needed to convey the content message and provide branding for products and services.

This certificate is designed to provide students with an overview of the technical programming and graphic design areas for Web page development.

All courses are not offered each semester. Students should work with the Counseling Center to set up a schedule that will work for them. Students who satisfactorily complete the Program Courses qualify for a Certificate of Program completion.

SAMPLE SCHEDULE OF COURSES

FIRST YEAR		Fall Semester	
CGT 109	Design Concepts and Technology	.....	3
CGT 123	Illustration—Illustrator	.....	3
CGT 125	Digital Imaging I—Photoshop	.....	3
CGT 136	Web Design and Development 1	.....	3
			12
		Winter Semester	
CIS 129	Introduction to Programming Logic	.....	3
CGT 163	Web Design and Development 2	.....	3
CIS 238	JavaScript	.....	3
CGT 211	Flash	.....	3
			12
SECOND YEAR		Fall Semester	
CGT 234	Web Design and Development 3	.....	3
		Winter Semester	
CGT 237	Dynamic Web Design With ColdFusion	.....	3

PROGRAM TOTAL 30 CREDITS

Go to www.schoolcraft.edu/academicprograms to see the Gainful Employment Disclosure which includes additional information about this program, such as program costs, student graduation rates, and the median debt of students who complete the program.



**Schoolcraft
College**

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It is the policy of Schoolcraft College that no person shall, on the basis of race, color, national origin, gender, age, marital status, creed or disability, be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program or activity or in employment.

PROGRAM INFORMATION UPDATED 4-12