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Discover

Livonia Garden City Online Livonia Garden City Online Livonia Garden City Online Livonia



Schoolcraft College

Online Livonia Garden City Online Livonia Garden City Online

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 Web sites and their servers.

Schoolcraft's Web Specialists associate degree program prepares you to design Web pages and program for the Web. Ultimately, as a Webmaster, you could be responsible for all technical aspects of a Web site. 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 Web site for details.

FREQUENTLY ASKED QUESTIONS

What Does a WEB SPECIALIST Do?

Web specialists design, develop, operate, maintain and manage Web sites. 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 2016 as organizations continue to adopt increasingly sophisticated technologies.

Related Web Sites

Web Developers Association of America www.wdaa.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, apply for admission, and register for courses.

In addition, you can request information and schedule a campus tour by contacting the Admissions and Enrollment Center at 734-462-4426 or admissions@schoolcraft.edu.

employment

JOB TITLES & MEDIAN SALARIES OR HOURLY RATES

Web Page Designer
 \$43,472 (national)
Web Developer
 \$55,000 (national)

Program Requirements — 2009–2010

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 Web site 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 Department to set up a schedule that will work for them. Students who satisfactorily complete all College Requirements qualify for the Associate in Applied Science Degree.

SAMPLE SCHEDULE OF COURSES

FIRST YEAR		Fall Semester	
ENG 101	English Composition I	.....	3
CGT 123	Illustration—Illustrator	.....	3
CGT 125	Digital Imaging I—Photoshop	.....	3
CIS 129	Introduction to Programming Logic	.....	3
MATH 113	Intermediate Algebra for College Students	.....	4
			16

Winter Semester

ENG 102	English Composition 2	.....	3
CIS 171	Introduction to Networking	.....	3
CGT 162	XHTML—CSS Standards	.....	3
CGT 135	Web Graphics	.....	3
COMA 103	Fundamentals of Speech	3
			15

Spring Session

Elective	Select from the list below	3
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SECOND YEAR Fall Semester

CIS 250	Systems Development and Design	4
CGT 236	Web Design	3
CIS 238	JavaScript	.....	3
Social Science	Select I	.....	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 123	Introduction to E-Commerce	.....	3
CIS 125	Principles of Information Security	.....	3
CIS 176	Visual Basic.NET	.....	3
CIS 185	Introduction to HTML	.....	3
CIS 212	Introduction to CGI Using Perl	.....	3
CIS 223	Introduction to C#	.....	3
CIS 225	Database Management Systems	.....	3
CIS 233	Active Server Pages	.....	3
CIS 239	Advanced C#	.....	3
CIS 255	Introduction to LINUX	.....	3
CIS 256	Introduction to XML	.....	3
CIS 283	Introduction to Internet Technologies	.....	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 Web site 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 Department to set up a schedule that will work for them. Student who satisfactorily complete the Program Courses qualify for a Certificate of Program completion.

SAMPLE SCHEDULE OF COURSES

FIRST YEAR		Fall Semester	
CIS 129	Introduction to Programming Logic	.....	3
CGT 123	Illustration—Illustrator	.....	3
CGT 125	Digital Imaging I—Photoshop	.....	3
CGT 162	XHTML—CSS Standards	.....	3
			12

Winter Semester

CIS 171	Introduction to Networking	.....	3
CGT 135	Web Graphics	.....	3
CIS 238	JavaScript	3
CGT 211	Flash	3
			12

SECOND YEAR Fall Semester

CGT 236	Web Design	3
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Winter Semester

CGT 237	Dynamic Web Design With ColdFusion	3
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PROGRAM TOTAL 30 CREDITS



Schoolcraft College
18600 Haggerty Road
Livonia, MI 48152-2696

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.