Program Overview
Business and Social Sciences Division
Room A244, (847) 543-2047

WEB PROGRAMMING
(Associate in Applied Science) Plan 22C
This degree prepares students for creating web pages and interfaces using client- and server-side programming for the development of web applications. Through the use of general education, business, and computer courses, the program provides an understanding of the system and networking environment needed for web development today.

First Semester (Fall)…………………………………….. 15-17
CIT 120 Introduction to Computers …….. 3
CIT 134 Introduction to Programming Concepts………………… 3
CIT 170 Creating Web Pages………………… 3
ENG 121 English Composition I………………… 3
AOS 122 Business Mathematics or MTH 122 College Algebra or MTH Eletive (higher MTH 122) *** ……… 3-5

Second Semester (Spring)…………………………………….. 15
BUS 121 Introduction to Business………………… 3
CIT 114 Introduction to Networking for Programmers1………………… 3
CIT 173 PHP Programming………………… 3
PSY 121 Introduction to Psychology or Industrial/Organizational Psychology ……… 3

Third Semester (Fall)…………………………………….. 15-16
ACC 112 Accounting Procedures I or ACC 121 Financial Accounting…….. 3-4
CIT 113 Introduction to SQL………………… 3
CIT 171 Web Page Scripting………………… 3
CIT 271 Markup Language Programming ……… 3
CMM 111 Communication Skills or CMM 121 Fundamentals of Speech or CMM 128 Interviewing Practices………………… 3

Fourth Semester (Spring)…………………………………….. 15-16
ACC 113 Accounting Procedures II or ACC 122 Managerial Accounting or BUS 111 Fundamentals of Finance ……… 3-4
CIT 132 Linux Operating System………………… 3
CIT 174 Adobe Dreamweaver………………… 3
CIT 270 Server Side Programming………………… 3
Humansities or Fine Arts Elective*………………… 3

Total Hours for AAS Degree …………………… 60-64

WEB PROGRAMMING
(Certificate) Plan 22CN
The Web Programming certificate provides students with the necessary skills to begin a career in web development. The student will learn to create web pages and interfaces using client- and server-side programming for the development of web applications. The student will also develop web pages incorporating database applications and components, which will include database administration, security and maintenance.

CIT 113 Introduction to SQL …………………… 3
CIT 170 Creating Web Pages………………… 3
CIT 171 Web Page Scripting………………… 3
CIT 173 PHP Programming………………… 3
CIT 174 Adobe Dreamweaver………………… 3
CIT 270 Server Side Programming………………… 3
CIT 271 Markup Language Programming ……… 3

Total Hours for Certificate …………………… 21

Note: Certain classes are only offered specific semesters. Check the course scheduling guide on the CIT webpage.

* To complete an A.A.S., students must meet General Requirements detailed in the current CLC catalog. Visit www.clcillinois.edu/catalog (select Career Programs).
** Certain classes are only offered specific semesters. Check the course scheduling guide.
*** There are prerequisites for Math courses. If you do not meet the prerequisites, begin taking these courses this semester.

Typical Jobs
• Programmer Analyst
• Programmer
• Computer Programmer
• Software Developer
• Internet Programmer
• Web Programmer
• Software Engineer

Salary and Job Outlook
For the latest information, visit www.mynextmove.org or the Bureau of Labor Statistics online at www.bls.gov. Gainful employment data is available at www.clcillinois.edu/ gainfulemployment.

Nature of Work
Web programming refers to the non-design aspects of building Web sites, e.g. writing markup and coding. Web development can range from developing the simplest static single page of plain text to the most complex web-based Internet applications, electronic businesses or social network services.

Contact Info
Grayslake Campus
19351 W. Washington St.
Grayslake, IL 60030

Robert Scherbaum
Department Chair
(847) 543-2820
rscherbaum@clcillinois.edu

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(847) 543-2047

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CLC is committed to maintaining an environment free from harassment and discrimination for everyone and does not discriminate on the basis of race, sex, national origin, religion, sexual orientation, gender identity or expression, or any other protected status. Responsibility for coordination of compliance efforts and receipt of inquiries has been delegated to the Dean of Student Life, 19351 W. Washington St., Grayslake, IL 60030, (847) 543-2820.