

Web Technology

- Associate in Applied Science in Web Technology
- Certificate of Completion in Web Developer
- Certificate of Completion in Web Designer Associate
- Certificate of Completion in Web Designer
- Certificate of Completion in Web Server Administrator



Where can this program take me?

The Associate in Applied Science in Web Technology is designed for students who want entry-level employment in one of the following areas: web technician, website designer, web developer, web programmer, web server administrator, web marketing manager, and web e-commerce manager.

The Certificate of Completion (CCL) in Web Developer is designed to give students a set of skills that would allow them to develop interactive and dynamic websites that access data stored in databases. Completing the program may lead to such positions as web technician, web designer, web programmer, and web developer.

The Certificate of Completion (CCL) in Web Designer Associate is designed to give students a set of skills that could allow them to develop simple websites with static information. Completing the program may lead to such positions as web technician and web designer assistant or to serve as a departmental or personal web publisher.

The Certificate of Completion (CCL) in Web Designer is designed to give students a set of skills that would allow them to develop comprehensive and interactive websites and to setup store fronts. Completing the program may lead to such positions as web technician, web designer assistant, web designer, web marketing manager, or web e-commerce manager.

The Certificate of Completion (CCL) in Web Server Administrator is designed to give students a set of skills that would allow them to develop comprehensive and interactive websites as well as to setup and maintain web servers. Completing the program may lead to such positions as web technician, web designer, web programmer, and web server administrator.

For more information on this and other career and technical programs, please see the MCC catalog.

What are the requirements of this program?
Associate in Applied Science in Web Technology
(64 credits)

Required Courses (35-39 credits)

CIS105 Survey of Computer Information Systems	3
BPC/CIS133DA Internet/Web Development Level I	3
+CIS166AA Introduction to JavaScripting	3
+CIS233DA Internet/Web Development Level II	3
BPC/CIS224 Project Management Microsoft Project for Windows (3) OR	
TQM240 Project Management in Quality Organizations (2)	2-3
TQM101 Quality Customer Service	3

Select one of three tracks:

Track I - Web Designer (20 credits)

+CIS233AB Internet Web Publishing: Front Page Level I	1
+CIS233AC The Internet Web Publishing: Dreamweaver Level I	1
CIS120DF Computer Graphics: Adobe Photoshop	3
CIS120DC Computer Graphics: Macromedia Flash	3
+CIS235 e-Commerce	3
+CIS243++ Internet/Web Development Level III	3
Select 6 credits from the following courses:	
CIS220DC Advanced Web Programming with Macromedia Flash	3
+CIS234 XML Application Development	3
+CIS276 Database Management Systems	3
+CIS108 Electronic Portfolio Development (1) OR	
+CIS282++ Volunteerism for Computer Information Systems: A Service-Learning Experience (1-3) OR	
+CIS290++ Computer Information Systems Internship (1-3) OR	
CIS298++ Special Projects (1-3) OR	
CWE198++ Career/Work Experience (1-3)	1-3

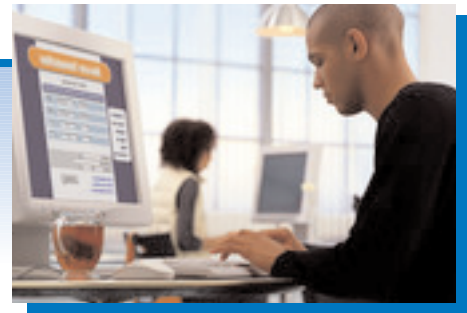
Track II - Web Server Administrator (18 credits)

+CIS190 Introduction to Local Area Networks	3
+CIS276 Database Management Systems	3
Select 12-13 credits from the following courses:	
CIS126DA UNIX Operating System (3) AND	
+CIS226AA Internet/Intranet Server Administration- UNIX (3)	6
CIS126DL Linux Operating System (3) AND	
CIS238DL Linux System Administration (3)	6

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+CIS191DL Microsoft Windows NT System Administration (3) AND	
+CIS226AB Internet/Intranet Server Administration- Windows (3)	6
+CIS166AB Web Scripting with Perl/CGI	3
+CIS166AE Web Scripting with PHP: Hypertext Preprocessor (PHP)	3
+CIS108 Electronic Portfolio Development (1) OR	
+CIS282++ Volunteerism for Computer Information Systems: A Service-Learning Experience (1-3) OR	
+CIS290++ Computer Information Systems Internship (1-3) OR	
CIS298++ Special Projects (1-3) OR	
CWE198++ Career/Work Experience (1-3)	1-3
MST150++ Microsoft Windows (3) AND	
MST152++ Microsoft Windows Server (4)	6-7
Track III - Web Developer (21 credits)	
+CIS150AB Object-Oriented Programming Fundamentals	3
+CIS234 XML Application Development	3
+CIS225AB Object-Oriented Analysis and Design	3
+CIS276 Database Management Systems	3
Select 9 credits from the following courses:	
CIS120DC Computer Graphics: Macromedia Flash	3
+CIS159 Visual Basic Programming I	3
+CIS163AA Java Programming: Level I	3
+CIS166AB Web Scripting with Perl/CGI	3
+CIS166AC Web Scripting with Active Server Pages (ASP).NET	3
+CIS166AD Web Scripting with Java Server Pages (JSP)	3
+CIS166AE Web Scripting with PHP: Hypertext Preprocessor (PHP)	3
+CIS259 Visual Basic Programming II	3
+CIS263AA Java Programming Level II	3
+CIS282++ Volunteerism for Computer Information Systems: A Service-Learning Experience (1-3) OR	
+CIS290++ Computer Information Systems Internship (1-3) OR	
CIS298++ Special Projects (1-3) OR	
CWE198++ Career/Work Experience (1-3) OR	
+CIS108 Electronic Portfolio Development (1)	1-3
General Education Requirements (25-27 credits)	
First-Year Composition	
+ENG101 First-Year Composition (3) OR	
ENG107 First Year Composition for ESL (3) AND	
ENG111 Technical Writing (3)	6
Oral Communication	
COM230 Small Group Communication	3

Critical Reading	
CRE101 Critical and Evaluative Reading I (3) OR	
Equivalent by assessment	3
Mathematics	
MAT150 College Algebra / Functions (5) OR	
MAT151 College Algebra / Functions (4) OR	
MAT152 College Algebra / Functions (3)	3-5
Humanities & Fine Arts	
Any approved general education course in the Humanities and Fine Arts Area	3
Social and Behavioral Sciences	
ECN111 Macroeconomic Principles (3) OR	
ECN112 Microeconomic Principles (3)	3
Natural Sciences	
Any approved general education course from the Natural Sciences Area	4

Certificate of Completion in Web Developer (35-36 credits)

The Certificate of Completion (CCL) in Web Developer is designed to give students a set of skills that would allow them to develop interactive and dynamic websites that access data stored in databases. Completing the program may lead to such positions as web technician, web designer, web programmer, and web developer.

Program Notes

Students must earn a grade of "C" or better in all courses within the program

+ indicates course has prerequisites and/or corequisites

++ indicates any module

Required Courses (26-27 credits)

CIS105 Survey of Computer Information System	3
BPC/CIS133DA The Internet/Web Development Level I	3
BPC/CIS224 Project Management Microsoft Project for Windows (3) OR	
TQM240 Project Management in Quality Organizations (2)	2-3
CIS150AB Object-Oriented Programming Fundamentals	3
CIS166AA Introduction to JavaScript	3
CIS225AB Object-Oriented Analysis and Design	3
+ CIS233DA Internet/Web Development Level II	3
CIS234 XML Application Development	3
CIS276 Database Management Systems	3
Restricted Electives (9 credits)	

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CIS120DC Computer Graphics: Macromedia Flash	3
+CIS159 Visual Basic Programming I	3
+CIS163AA Java Programming: Level I	3
+CIS166AB Web Scripting with Perl/CGI	3
+CIS166AC Web Scripting with Active Server Pages (ASP).NET	3
+CIS166AD Web Scripting with Java Server Pages (JSP)	3
+CIS166AE Web Scripting with PHP: Hypertext Preprocessor (PHP)	3
+CIS259 Visual Basic Programming II	3
+CIS263AA Java Programming Level II	3
+CIS108 Electronic Portfolio Development (1) OR	
+CIS282++ Volunteerism for Computer Information Systems: A Service-Learning Experience (1-3) OR	
+CIS290++ Computer Information Systems Internship (1-3) OR	
CWE198++ Career/Work Experience (1-3)	1-3

Certificate of Completion in Web Designer Associate (14 credits)

Program Notes

Students must earn a grade of "C" or better in all courses within the program

+ indicates course has prerequisites and/or corequisites.

++ indicates any module

Required Courses (14 credits)

CIS105 Survey of Computer Information Systems	3
BPC/CIS133DA Internet/Web Development Level I	3
+CIS233AB Internet Web Publishing: FrontPage Level I	1
+CIS233AC The Internet Web Publishing: Dreamweaver Level I	1
+CIS233DA Internet/Web Development Level II	3
+CIS108 Electronic Portfolio Development (1) OR	
+CIS282++ Volunteerism for Computer Information Systems: A Service-Learning Experience (1-3) OR	
+CIS290++ Computer Information Systems Internship (1-3) OR	
CIS298++ Special Projects (1-3) OR	
CWE198++ Career/Work Experience (1-3)	3

Certificate of Completion in Web Designer (29 credits)

Program Notes:

Students must earn a grade of "C" or better in all courses within the program

+ indicates course has prerequisites and/or corequisites.

++ indicates any module

Required Courses (29 credits)

CIS105 Survey of Computer Information Systems	3
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BPC/CIS133DA Internet/Web Development Level I	3
CIS120DF Computer Graphics: Adobe Photoshop	3
CIS120DC Computer Graphics: Macromedia Flash	3
+CIS166AA Introduction to JavaScripting	3
+CIS233AB Internet Web Publishing: FrontPage Level I	1
+CIS233AC The Internet Web Publishing: Dreamweaver Level I	1
+CIS233DA Internet/Web Development Level II	3
+CIS235 e-Commerce	3
CIS243++ Internet/Web Development Level III	3
+CIS108 Electronic Portfolio Development (1) OR	
+CIS282++ Volunteerism for Computer Information Systems: A Service-Learning Experience (1-3) OR	
+CIS290++ Computer Information Systems Internship (1-3) OR	
CIS298++ Special Projects (1-3) OR	
CWE198++ Career/Work Experience (1-3)	3

Certificate of Completion in Web Server Administrator (27-28 credits)

Program Notes

Students must earn a grade of "C" or better in all courses within the program

+ indicates course has prerequisites and/or corequisites.

++ indicates any module

Required Courses (21 credits)

CIS105 Survey of Computer Information Systems	3
BPC/CIS133DA Internet/Web Development Level I	3
+CIS166AA Introduction to JavaScripting	3
CIS166AB Web Scripting with Perl/CGI (3) OR	
CIS166AE Web Scripting with PHP: Hypertext Preprocessor (PHP) (3)	3
+CIS190 Introduction to Local Area Networks	3
+CIS233DA Internet/Web Development Level II	3
+CIS276 Database Management Systems	3

Restricted Electives (6-7 Credits)

CIS126DA UNIX Operating System (3) AND	
+CIS226AA Internet/Intranet Server Administration-UNIX (3)	6
CIS126DL Linux Operating System (3) AND	
+CIS238DL Linux System Administration (3)	6
+CIS191DL Microsoft Windows NT System Administration (3) AND	
+CIS226AB Internet/Intranet Server Administration-Windows (3)	6
MST150++ Microsoft Windows Professional (3) AND	
+MST152++ Microsoft Windows Server (3-4)	6-7



It's easy to get started at MCC ...



Step 1: Complete a Student Information Form (application).

There are three ways you can do this:

- You can fill out a paper form and take it to the Admissions Office at MCC at Southern and Dobson or to Enrollment Services at MCC at Red Mountain
- You can complete the form online at www.mc.maricopa.edu/services/student_services/
- You can call MCC's phone center at 480-461-7700 and provide the information by phone.

Step 2: Take placement tests to help you choose the right courses.

You need to take placement tests if you plan to enroll in English, math, reading, or English as a Second Language (ESL) classes.

There is no cost for testing, and you don't have to make an appointment.

- You can take a complete set of placement tests at MCC at Southern and Dobson at the following times:
Mon & Thurs: 8:00 or 11:00 am, 2:00 or 5:30 pm
Friday 8:00 or 11:00 am, 2:00 pm
- If you need to take only one or two tests, you can do so on a walk-in basis at any time.
- You can take placement tests at MCC at Red Mountain on a walk-in basis
Monday - Thursday from 8:00 am - 8:00 pm.
For additional information, call 480-461-7336 or visit www.mc.maricopa.edu/services/testing/.

Step 3: Meet with an academic advisor.

You can see an academic advisor on a walk-in basis at both MCC campuses. Bring a copy of transcripts or grade reports if you have attended a university or a college outside the Maricopa County Community College District. Some courses require an advisor's signature before you can register. For more information, call 480-461-7222 or 480-654-7606 or visit www.mc.maricopa.edu/services/advisement/.

Step 4: Register for your classes.

Choose the way that is most convenient for you:

- Take your signed advisement/registration form to the Records Office at MCC at Southern and Dobson or to Enrollment Services at MCC at Red Mountain, or
- Register by phone at 480-461-7700. Be sure you meet the prerequisites for courses you want to register for by phone, or
- You can register online for courses that don't have prerequisites and for open-entry/self-paced and non-credit courses. Visit www.mc.maricopa.edu/services/student_services/.

Step 5: Pay your tuition and fees.

You can pay your tuition and fees in person at the Cashier's Office at either MCC at Southern and Dobson or MCC at Red Mountain. You can also leave your tuition in the specially marked dropbox on either campus, or pay by phone with your Visa, MasterCard, Discover Card, or American Express by calling 480-461-7700. Make sure to pay your tuition and fees before the billing date on your invoice to keep your place in the classes you've registered for.

Best wishes for your success at MCC!

For more information, contact:

Mesa Community College
MCC at Southern and Dobson
1833 W. Southern Avenue
Mesa, Arizona 85202
480-461-7700
www.mc.maricopa.edu

MCC at Red Mountain
7110 E. McKellips Road
Mesa, Arizona 85207
480-654-7200
www.mc.maricopa.edu/other/redmountain

All students are urged to meet with an academic advisor regarding selection of courses. For the most current course requirements visit www.maricopa.edu/academic/curric/newsresindx.php. For graduation requirements visit www.dist.maricopa.edu/academic/curric.

