



Effective 2013/2014

Career Cluster ►



Career Pathway ►

Web and Digital Communications

IT – WEB DEVELOPER / ADMINISTRATOR

(10-152-3)

Associate of Applied Science Degree

Most Courses Offered Online

<sup>Δ</sup> Suggested Sequence	✓ Course Number	Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1	107-011 *	IT in Business		3	2-2
	107-193 *	IT Essentials	Coreq: 107-011	3	2-2
	150-105 *	Intro to Networking / Web Concepts		3	2-2
	150-191 *	Fundamentals Linux/UNIX	Coreq: 107-193	2	1-2
	152-187 *	Web Program Orientation		1	1-0
	152-190 *	Elements of Dynamic Web Design	Coreq: 150-105	2	1-2
	804-133	Mathematics and Logic	Prereq: 834-110 (See Note 1 & 2)	3	3-0
Semester 2	152-126 *	Intro to Prog. & Database Concepts	Prereq: 107-193; 107-011	4	3-2
	152-148 *	Web Programming Concepts	Prereq: 150-105	3	2-2
	152-189 *	Graphics Programming with Dynamic Elements	Prereq: 152-190	3	2-2
	801-136	English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
	809-196	Sociology, Introduction to	Prereq: 838-105 (See Note 1)	3	3-0
Semester 3	152-146 *	Advanced Databases	Prereq: 152-126	3	2-2
	150-134 *	Web Servers & Security	Prereq: 150-191; 107-193	3	2-2
	152-156 *	Web Applications – ASP.NET	Prereq: 152-148; 152-126	3	2-2
	152-188 *	PHP Web Programming	Prereq: 150-191; 152-148	3	2-2
	801-197	Technical Reporting	Prereq: 801-136	3	3-0
	809-198	Psychology, Introduction to	Prereq: 838-105 (See Note 1)	3	3-0
Semester 4	152-138 *	Introduction to Java	Prereq: 152-126; 152-148	3	2-2
	152-144 *	IT E–Commerce	Prereq: 152-146; Coreq: 150-134	3	2-2
	809-143	OR Microeconomics	Prereq: 838-105 (See Note 1)	3	3-0
	809-144	OR Macroeconomics			
	801-198	OR Speech	Prereq: 838-105 (See Note 1)	3	3-0
	801-196	OR Oral/Interpersonal Communications			
Electives	<b>Take 6 elective credits. Any associate degree level course may be taken as an elective.</b>			<b>6</b>	
	<b>Suggested Electives:</b> 152-140 Web Internship (3 Cr) OR 152-162 Introduction to Perl Programming 102-138 BIZ Internship (3 Cr) 152-194 SQL Fundamentals Oracle (3 Cr)				

**Program Total Required**

**69**

<sup>Δ</sup> Courses may be taken out of suggested sequence as long as requisites have been met.



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**PROGRAM DESCRIPTION**

IT-Web Developer/Administrator will train students for the development and maintenance of business and e-Commerce web sites and servers using a variety of tools. Topics will include the ability to make use of HTML and WYSWYG development tools. It also focuses on proper web site design, manipulation of graphics, and scripting technologies. Students will learn coding techniques and the use of interactive databases to enhance the functionality and usability of the web site. The administrative topics will include the installation, configuration, and management of a web server, including security and privacy.

**PROGRAM LEARNING OUTCOMES**

Graduates of the IT-Web Developer/Administrator Associate Degree Program should be able to:

1. Communicate effectively with CIS, clients, teams, and management.
2. Be technically proficient in the administration and security of a web server.
3. Be technically proficient in the design and development of web sites.
4. Develop pages that contain advanced graphical components.
5. Analyze, interpret, and solve e-commerce and business problems.
6. Incorporate current technologies for web-based data driven sites.

**CORE ABILITIES**

Gateway believes students need both technical knowledge and skills and core abilities in order to succeed in a career and in life. The following nine core abilities are the general attitudes and skills promoted and assessed by all Gateway programs. All Gateway graduates should be able to:

- |  |   |
|--|---|
| 1. Act responsibly                     | 6. Respect themselves and others as a member of a diverse community |
| 2. Communicate clearly and effectively | 7. Think critically and creatively                                  |
| 3. Demonstrate essential comp. skills  | 8. Work cooperatively   |
| 4. Demonstrate essential math skills   | 9. Value learning   |
| 5. Develop job seeking skills          |   |

**ADMISSION REQUIREMENTS**

1. Students must submit an application & \$30 fee.
2. Students must complete reading, writing, math, and computer skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

**GRADUATION REQUIREMENTS**

1. 69 Credits with an average of 2.0 or above.
2. \*Grade of 2.0 ("C") or above for these major.

*For a complete list of Graduation Requirements check the Student Handbook.*

**NOTES**

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. For those students considering the pursuit of a 4 year degree in this field, 804-197 College Algebra and Trigonometry is a better choice. This course may be taken in place of 804-133 Mathematics and Logic.
2. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites have been satisfied (or waived with departmental approval).

**OTHER INFORMATION**

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult the Master Class Schedule for exact fee amounts. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.

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You may call Student Services at 1-800-247-7122 for additional information.

For a complete list of course descriptions (and possible online courses) for this program, please consult Web Advisor on our web page at [www.gtc.edu](http://www.gtc.edu).

My advisor is \_\_\_\_\_. My advisor's contact information is \_\_\_\_\_.