



Effective 2015/2016

Career Cluster ►



Career Pathway ►

Web and Digital Communications

IT – WEB DEVELOPER

(10-152-3A)

Associate of Applied Science Degree

Most Courses Offered Online

Δ Suggested Sequence	✓ Course Number	Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1	152-187	* Web Program Orientation		1	1-0
	150-105	* Intro to Networking / Web Concepts		3	2-2
	152-126	* Intro to Prog. & Database Concepts		4	3-2
	152-182	* Web Programming 1		3	2-2
	801-198	OR Speech	Prereq: 838-105 (See Note 1)	3	3-0
	801-196	OR Oral/Interpersonal Communications			
	804-133	OR Mathematics and Logic	Prereq: 834-110 (See Note 1 & 2)	3	3-0
	804-115	OR College Technical Math 1		5	5-0
Semester 2	152-146	* Advanced Databases	Prereq: 152-126	3	2-2
	152-178	* Develop ASP.NET Web Apps	Prereq: 152-126	3	2-2
	152-188	* PHP Web Programming	Prereq: 152-182	3	2-2
	152-190	* Elements of Dynamic Web Design	Prereq: 152-182	2	1-2
	801-136	English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
	809-196	OR Sociology, Introduction to	Prereq: 838-105 (See Note 1 & 4)	3	3-0
	809-172	OR Diversity Studies, Introduction to	Prereq: 838-105 (See Note 1)		
Semester 3	107-193	* IT Essentials		3	2-2
	152-184	* Java Programming 1	Prereq: 152-126	3	2-2
	152-185	* Advanced PHP	Prereq: 152-188	3	2-2
	152-189	* Graphics Programming with Dynamic Elements	Prereq: 152-190	3	2-2
	801-197	Technical Reporting	Prereq: 801-136	3	3-0
	809-198	Psychology, Introduction to	Prereq: 838-105 (See Note 1 & 4)	3	3-0
	Semester 4	152-129	* Web Project Management	Prereq: 152-146; Coreq: 152-188	2
152-139		* Ruby	Prereq: 152-188	3	2-2
152-174		* Java Programming 2	Prereq: 152-184	3	2-2
809-143		OR Microeconomics	Prereq: 838-105 (See Note 1)	3	3-0
809-144		OR Macroeconomics			
Electives	Take 6 elective credits. Any associate degree level course may be taken as an elective.			6	
	Suggested Electives: 152-140 Web Internship (3 Cr) OR 152-110 DBA Part 1 – Oracle (3 Cr) 102-138 BIZ Internship (3 Cr) 145-119 Entrepreneurship (3 Cr) 152-164 Mobile Device App Programming (3 Cr) 806-112 Principles of Sustainability (3 Cr) 152-194 SQL Fundamentals Oracle (3 Cr)				

Minimum Program Total Credits Required

69

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



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PROGRAM DESCRIPTION

The *IT-Web Developer* program trains students in the development and maintenance of business and e-Commerce web sites using a variety of software, programming, and scripting languages. Topics will include web site project management, design, development, deployment, and basic maintenance of back-end databases and websites. Typical entry-level positions for this training opportunity include web developer, web programmer, and web designer.

PROGRAM LEARNING OUTCOMES

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

1. Design software systems.
2. Integrate database technologies.
3. Develop software applications.
4. Develop technical documentation.

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. Minimum 69 credits with an average of 2.0 or above.
2. *Grade of 2.0 ("C") or above for these major courses.

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, 804-115 College Technical Math 1 is a better choice. This course may be taken in place of 804-133 Mathematics and Logic.
3. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites have been satisfied (or waived with departmental approval).
4. Transfer credits in Social Science may substitute for this course. See an advisor for details.

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 Web Advisor 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.

**EQUAL OPPORTUNITY EMPLOYER AND EDUCATOR
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To schedule an appointment with an advisor, please call 1-800-247-7122.

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.

My advisor is _____. My advisor's contact information is _____.