Effective 2014/2015		**Career Cluster ►**	**Career Pathway ►** Web and Digital Communications		**IT – WEB DEVELOPER (10-152-3)** *Associate of Applied Science Degree* **Most Courses Offered Online**	

$^\Delta$**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
		152-148	*	Web Programming Concepts		3	2-2
		801-198 801-196	**OR**	Speech Oral/Interpersonal Communications	Prereq: 838-105 (See Note 1)	3	3-0
		804-133 804-115	**OR**	Mathematics and Logic College Technical Math 1	Prereq: 834-110 (See Note 1 & 2)	3 5	3-0 5-0
Semester 2		152-146	*	Advanced Databases	Prereq: 152-126	3	2-2
		152-156	*	Web Applications – ASP.NET	Prereq: 152-148; 152-126	3	2-2
		152-188	*	PHP Web Programming	Prereq: 152-148	3	2-2
		152-190	*	Elements of Dynamic Web Design	Prereq: 152-148	2	1-2
		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		107-193	*	IT Essentials		3	2-2
		152-138	*	Introduction to Java	Prereq: 152-126; 152-148	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)	3	3-0
Semester 4		152-129	*	Web Project Management	Prereq: 152-146; 152-185	2	1-2
		152-139	*	Ruby	Prereq: 152-188	3	2-2
		152-169	*	Intermediate Java	Prereq: 152-138	3	2-2
		809-143 809-144	**OR**	Microeconomics Macroeconomics	Prereq: 838-105 (See Note 1)	3	3-0
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 102-138 BIZ Internship (3 Cr) 152-194 SQL Fundamentals Oracle (3 Cr)		152-110 DBA Part 1 – Oracle (3 Cr) 145-119 Entrepreneurship (3 Cr) 152-164 Mobile Device App Programming (3 Cr)			

Minimum Program Total Credits Required   **69**

$^\Delta$*Courses may be taken out of suggested sequence as long as requisites have been met.*

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. Communicate effectively with CIS, clients, teams, and management.
2. Explain and apply the necessary processes, tools, and skills used in the systems analysis and system design phases of a web project.
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
2. Communicate clearly and effectively
3. Demonstrate essential comp. skills
4. Demonstrate essential math skills
5. Develop job seeking skills
6. Respect themselves and others as a member of a diverse community
7. Think critically and creatively
8. Work cooperatively
9. Value learning

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.

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.

EQUAL OPPORTUNITY/ACCESS EDUCATOR / EMPLOYER
IGUALDAD DE OPORTUNIDADES

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 _____.