		GATEWAY TECHNICAL COLLEGE	**Career Cluster ►**	**Career Pathway ►**	**IT – WEB DEVELOPER / ADMINISTRATOR (10-152-3)**	
	Effective 2012/2013		*Information Technology*	Web and Digital Communications	*Associate of Applied Science Degree* **Offered at: Available Online**	

Δ **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	4	3-2
		152-148	*	Web Programming Concepts	Prereq: 150-105	3	2-2
		152-189	*	Graphics Programming with Dynamic Elements		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
		809-143 809-144	OR	Microeconomics Macroeconomics	Prereq: 838-105 (See Note 1)	3	3-0
		801-198 801-196	OR	Speech Oral/Interpersonal Communications	Prereq: 858-760 (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)		152-162 Introduction to Perl Programming			

Program Total Required   69

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

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
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, and math placement testing.
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 a counselor 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 (262) 767-5300 (Burlington), (262) 741-8300 (Elkhorn), (262) 564-2300 (Kenosha), or (262) 619-6300 (Racine) 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.

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