GATEWAY TECHNICAL COLLEGE

Effective 2014/2015

Career Cluster ►	Career Pathway ►	**INFORMATION TECHNOLOGY**
Information Technology	Web and Digital Communications	**JUNIOR WEB DEVELOPER** (31-152-4) *Technical Diploma* **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
		152-148	*	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 Notes 1 & 2)	3 5	3-0 5-0
Semester 2		107-193	*	IT Essentials		3	2-2
		152-138	*	Introduction to Java	Prereq: 152-126; 152-148	3	2-2
		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

Minimum Program Total Credits Required   34

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

Students who are interested in continuing into the 10-152-3 IT-Web Developer program can earn their associate degree by completing an additional 35 credits. Please see your academic advisor for details.

PROGRAM DESCRIPTION

The *Information Technology Junior Web Developer* diploma trains students in the development of business web sites using a variety of programming and scripting languages. Topics will include web site design and development and basic knowledge of SQL and back-end databases. Typical entry-level positions are junior web developer and junior web programmer.

PROGRAM LEARNING OUTCOMES

Graduates of the Information Technology Junior Web Developer Technical Diploma Program should be able to:

1. Communicate effectively.
2. Utilize web design principles, standards, and best practices in designing effective and usable websites.
3. Identify and apply HTML/CSS tags and attributes for web page design.
4. Develop basic web applications using server-side scripting languages such as PHP and ASP.NET.
5. Use SQL commands to query a database and display data on a webpage.
6. Conduct testing and troubleshooting of web pages.

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 34 credits with an average of 2.0 or above.
2. *Minimum 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 department 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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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 _____.