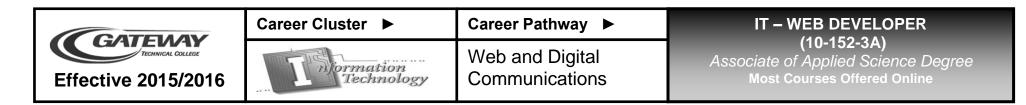
Effective 2015/2016	Career Cluster ►	Career Pathway 🕨	
	njormation Technology	Web and Digital Communications	(10-152-3A) Associate of Applied Science Degree Most Courses Offered Online

<sup>∆</sup> Suggested Sequence		Course Number		Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1	Γ	152-187	*	Web Program Orientation	· · · · · · · · · · · · · · · · · · ·	1	1-0
		150-105	*	Intro to Networking / Web Concepts	S	3	2-2
		152-126	*	Intro to Prog. & Database Concepts	S	4	3-2
		152-182	*	Web Programming 1		3	2-2
		801-198 801-196	OR	Speech Oral/Interpersonal Communications	s 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
		152-178	*	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
		809-196 809-172	OR	Sociology, Introduction to Diversity Studies, Introduction to	Prereq: 838-105 (See Note 1 & 4) Prereq: 838-105 (See Note 1)	3	3-0
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 Dynan Elements	nic 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	1-2
		152-139	*	Ruby	Prereq: 152-188	3	2-2
		152-174	*	Java Programming 2	Prereq: 152-184	3	2-2
		809-143 809-144	OR	Microeconomics Macroeconomics	Prereq: 838-105 (See Note 1)	3	3-0
Electives		<b>ggested Ele</b> 152-140 We 102-138 BIZ 152-164 Mo	<i>ctives</i> b Inte Interr bile De	rnship (3 Cr) OR nship (3 Cr) 2 evice App Programming (3 Cr) 8	urse may be taken as an elective. 152-110 DBA Part 1 – Oracle (3 Cr) 145-119 Entrepreneurship (3 Cr) 806-112 Principles of Sustainability (3 Cr)	6	
		152-194 SQ	L Fun	damentals Oracle (3 Cr)			

Minimum Program Total Credits Required

 $^{\Delta}\mbox{Courses}$  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 backend 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
- 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 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 EMPLEADOR Y EDUCADOR QUE OFRECE 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 <u>www.gtc.edu</u>.

My advisor is

My advisor's contact information is