Career Cluster ►  
Career Pathway ►  

Web and Digital Communications

INFORMATION TECHNOLOGY  
JUNIOR WEB DEVELOPER  
(31-152-4)  
Technical Diploma  
Most Courses Offered Online

Effective 2015/2016

<table>
<thead>
<tr>
<th>Suggested Sequence</th>
<th>Course Number</th>
<th>Course Title</th>
<th>Requisites</th>
<th>Credits</th>
<th>Hrs/Wk</th>
<th>Lec - Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td>152-187</td>
<td>Web Program Orientation</td>
<td></td>
<td>1</td>
<td>1-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>150-105</td>
<td>Intro to Networking / Web Concepts</td>
<td></td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-126</td>
<td>Intro to Prog. &amp; Database Concepts</td>
<td></td>
<td>4</td>
<td>3-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-182</td>
<td>Web Programming 1</td>
<td></td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>801-198 OR</td>
<td>Speech</td>
<td>Prereq: 838-105 (See Note 1)</td>
<td>3</td>
<td>3-0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>801-196 OR</td>
<td>Oral/Interpersonal Communications</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>804-133 OR</td>
<td>Mathematics and Logic</td>
<td>Prereq: 834-110 (See Notes 1 &amp; 2)</td>
<td>3</td>
<td>3-0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>804-115 OR</td>
<td>College Technical Math 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semester 2</td>
<td>107-193</td>
<td>IT Essentials</td>
<td></td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-146</td>
<td>Advanced Databases</td>
<td>Prereq: 152-126</td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-178</td>
<td>Develop ASP.NET Web Apps</td>
<td>Prereq: 152-126</td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-184</td>
<td>Java Programming 1</td>
<td>Prereq: 152-126</td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-188</td>
<td>PHP Web Programming</td>
<td>Prereq: 152-182</td>
<td>3</td>
<td>2-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>152-190</td>
<td>Elements of Dynamic Web Design</td>
<td>Prereq: 152-182</td>
<td>2</td>
<td>1-2</td>
<td></td>
</tr>
</tbody>
</table>

Minimum Program Total Credits Required 34

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.

Federal regulations require disclosure of the following information for this program:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,627</td>
<td>$6,200</td>
<td>Web Developer (15-1134)</td>
</tr>
</tbody>
</table>
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.

NOTES
For a complete list of Graduation Requirements check the Student Handbook.

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 www.gtc.edu.