

# Information Technology

## Web Developer

### Associate in Applied Science



#### Program Description:

Students who graduate with the Web Developer option can expect to find employment as a content developer, web designer, web authoring, web developer, or database support technician. Employment could be with a professional service, consulting organization or an in-house staff position or on a contract basis. Graduates could also find employment with a consulting firm or an entry-level position within a computer department.

#### Career Outlook:

Organizations are increasingly using the World Wide Web for a diverse set of business purposes. Web sites are used for marketing, sales, communications, public relations, and training, just to name a few. Careers in Web development involve the design and maintenance of such sites. Web developers typically work with a client to determine the needs of the organization. A design will be created, tested and documented. Some positions in the Web development require creativity. The majority of positions are found at companies that specialize in Web development and multimedia creations, but some large corporations hire Web developers for in-house design as well. The array of organizations seeking Web developers is extremely diverse. These organizations may include publishing firms, electronic game companies, educational institutions, marketing firms, government agencies and many more.

The demand for skilled computer professionals is expected to increase as organizations attempt to maximize the efficiency of their computer systems. As international and domestic competition increases, organizations will face growing pressure to use technological advances in areas such as factory and office automation and telecommunications technology. Many more computer trained individuals will be needed to incorporate these advances in new or existing systems.

#### Salary Forecast:

According to May 2008 West Virginia Bureau of Labor Occupational Employment and Wage Estimates for the Metropolitan Area of Huntington, median annual earnings of computer support specialists/programmers were \$41,590 in 2008. The average salary for the entire state of West Virginia in the computer support specialists/programmer area was \$41,820.

#### Program Admission Requirements:

The college adheres to an open admission policy which means applicants with a high school diploma or a GED are eligible for admission. Applicants with neither a high school diploma nor a GED may be admitted on a conditional basis.

#### Contact Information:

Kim Preece • Corbly Hall, Room 328

Phone: 304-696-3214 or 1-866-N-ROLLED (1-866-676-5533) • E-mail: preece@mctc.edu

**Major Code – CI20 • Concentration Code – CI21 Web Developer**

<b>FIRST YEAR</b>	
<p><b>Fall Semester<sup>1</sup></b></p> <p>ENL 111 Written Communication ..... 3</p> <p>IT101/102 Fundamentals of Computers<sup>1</sup> (EDGE) ..... 3</p> <p>IT 107 Fundamentals of the Internet..... 3</p> <p>IT 110 Computer Skills For Designers ..... 3</p> <p>SCI Approved Quantitative Skills/Science Elective<sup>6</sup> ... 3</p> <p><b>TOTAL CREDITS..... 15</b></p>	<p><b>Spring Semester</b></p> <p>COM 112 Oral Communication..... 3</p> <p>IT 131 Introduction to Networking..... 4</p> <p>IT 212 Publishing on the Internet<sup>3</sup>..... 3</p> <p>IT 250 Applications to Databases<sup>2</sup>..... 3</p> <p>MAT Approved Math Elective<sup>6</sup> ..... 3</p> <p><b>TOTAL CREDITS ..... 16</b></p>
<b>SECOND YEAR</b>	
<p><b>Fall Semester</b></p> <p>ENL 231 Technical Report Writing<sup>4</sup> ..... 3</p> <p>IT 115 Introduction to BASIC<sup>2</sup>..... 3</p> <p>IT 171 Introduction to Gaming Concepts I ..... 3</p> <p>IT 213 Web Graphics/Design<sup>3</sup> ..... 3</p> <p>IT 277 Management Information Systems<sup>9</sup>..... 3</p> <p>SS 210 Fundamentals of Sociology..... 3</p> <p><b>TOTAL CREDITS..... 18</b></p>	<p><b>Spring Semester</b></p> <p>IT 221 Advanced Operating Systems..... 3</p> <p>IT 224 Fundamentals of Network Security..... 3</p> <p>IT 242 Emerging Web Technologies<sup>5</sup>..... 3</p> <p>IT 271 Introduction to Gaming Concepts II<sup>8</sup>..... 3</p> <p>IT 299 Information Technology Internship<sup>7</sup>..... 3</p> <p><b>TOTAL CREDITS ..... 15</b></p>
<b>HOURS REQUIRED FOR GRADUATION: 64</b>	

**Employment Opportunities:**

- Network administration
- Web designer
- Systems support technician
- Network designer
- Security solutions designer
- Help desk technician
- Hardware technician
- Software applications

**Earn A Degree Graduate Early (EDGE):**

This program provides students the opportunity to receive credit for their high school EDGE courses.

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1. Students are expected to have basic knowledge of computers including operating systems such as Windows XP or 2003 and Microsoft Office XP or 2003 before entering this program. The student must register for IT101 during his or her first semester or successfully pass a challenge exam for IT 101.

2. IT 115 and IT 250 have a prerequisite of IT 101.

3. IT 212 and IT 213 have a prerequisite of IT 107.

4. ENL 231 has a prerequisite of ENL 111 or COM 111.

5. IT 242 has a prerequisite of IT 212.

6. The following courses are approved as Math/Science electives: MAT 146, MAT 150, MAT 210, MAT 215, SCI 101, SCI 110, BIOL 210, SCI 220, and BIOL 257.

7. Permission of Program Coordinator is required in order to enroll in IT 299.

8. IT 271 has a prerequisite of IT 171.

9. Permission of instructor is required to enroll in IT 277.