

# WEB DESIGN INTERMEDIATE TECHNICAL CERTIFICATE

The Web Design & Development program prepares students with the skills necessary for organizational web design, development, and management. Course work includes applying current trends in web technology, standards, and applications to real-world projects. Successful students will be able to work in development teams and effectively communicate in the web design and development industry.

Upon completion of this certificate, students will:

1. Describe and define the roles of a web designer and web developer
2. Demonstrate the ability to publish and update web sites and set up a domain
3. Construct and design a web page, site, and application using standards-driven HTML and CSS
4. Implement event-driven programming on a web page using JavaScript
5. Distinguish between content management systems and demonstrate their use and utility
6. Complete a web design and development portfolio
7. Demonstrate understanding of web-based graphic design, image editing, and design layout
8. Compare JavaScript frameworks and demonstrate their use in the building of a client-oriented web application
9. Research and describe solutions to customer requirements through a web development capstone project

Completion of a Technical Skills Assessment is required.

## General Education Requirements

Code	Title	Credits
<b>Oral Communication</b>		
Select one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-202	INTERPERSONAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
<b>Mathematical Ways of Knowing</b>		
Select one of the following:		3.00-5.00
MATH-123	MATH IN MODERN SOCIETY	
MATH-130	FINITE MATHEMATICS	
MATH-143	COLLEGE ALGEBRA	
MATH-147	COLLEGE ALGEBRA AND TRIGONOMETRY	
MATH-153	STATISTICAL REASONING	
MATH-170	CALCULUS I	
MATH-253	STATISTICAL METHODS FOR THE SCIENCES	
MATH-257	MATHEMATICS FOR ELEMENTARY TEACHERS II	
MTHPT-130	FINITE MATHEMATICS	
MTHPT-137	MATH FOR TECHNOLOGY	
MTHPT-153	STATISTICAL REASONING	
<b>Social &amp; Behavioral Ways of Knowing</b>		
Select one of the following:		3.00
ANTH-102	CULTURAL ANTHROPOLOGY	
ANTH-120	WORLD PREHISTORY	
ANTH-170	INTRODUCTION TO NATIVE AMERICAN STUDIES	
ECON-201	PRINCIPLES OF MACROECONOMICS	
ECON-202	PRINCIPLES OF MICROECONOMICS	
GEOG-102	INTRODUCTION TO GEOGRAPHY	
HIST-101	WORLD HISTORY I	
HIST-102	WORLD HISTORY II	
HIST-111	UNITED STATES HISTORY I	
HIST-112	UNITED STATES HISTORY II	
HRPT-184	DIVERSITY IN ORGANIZATIONS	

HRPT-185	HUMAN RELATIONS IN ORGANIZATIONS	
POLS-101	AMERICAN NATIONAL GOVERNMENT	
POLS-237	INTERNATIONAL POLITICS	
POLS-285	COMPARATIVE GOVERNMENT	
PSYC-101	INTRODUCTION TO GENERAL PSYCHOLOGY	
PSYC-205	LIFESPAN DEVELOPMENTAL PSYCHOLOGY	
SOC-101	INTRODUCTION TO SOCIOLOGY	
SOC-102	SOCIAL PROBLEMS	
SS-184	DIVERSITY IN ORGANIZATIONS	
SS-185	HUMAN RELATIONS IN ORGANIZATIONS	
<b>Total Credits</b>		<b>9.00-11.00</b>

## Program Requirements

Code	Title	Credits
CITPT-111/311	WEB DEVELOPMENT BASICS	3.00
CITPT-112/312	FUNDAMENTALS OF COMPUTER PROGRAMMING	3.00
CITPT-117/317	WEB DESIGN FUNDAMENTALS	3.00
CITPT-180/380	PORTFOLIO DESIGN	3.00
CITPT-217/417	ADVANCED WEB DESIGN	3.00
CITPT-265/465	IMAGE EDITING AND ILLUSTRATION	3.00
CITPT-275/475	WEB AUTHORING SYSTEMS	3.00
<b>Total Credits</b>		<b>21.00</b>