

WEB DESIGN & DEVELOPMENT AAS

The Web Design & Development Associate's Degree 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 degree, students will:

- Describe and define the roles of a web designer and web developer
- Demonstrate the ability to publish and update web sites and set up a domain
- Construct and design a web page, site, and application using standards-driven HTML and CSS
- Implement event-driven programming on a web page using JavaScript
- Distinguish between content management systems and demonstrate their use and utility
- Complete a web design and development portfolio
- Demonstrate understanding of web-based graphic design, image editing, and design layout
- Compare JavaScript frameworks and demonstrate their use in the building of a client-oriented web application
- 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
Written Communication		
Select one of the following:		3.00
ENGL-101	WRITING AND RHETORIC I	
Oral Communication		
Select one of the following:		3.00
COMM-101	FUNDAMENTALS OF ORAL COMMUNICATION	
COMM-203	SMALL GROUP COMMUNICATION	
COMM-204	PUBLIC SPEAKING	
Mathematical Ways of Knowing		
Select one of the following:		3.00-5.00
CS-108	INTRODUCTION TO COMPUTER SCIENCE	
MATH-123	MATH IN MODERN SOCIETY	
MATH-143	PRECALCULUS I: ALGEBRA	
MATH-147	PRECALCULUS	
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	
Social & Behavioral Ways of Knowing		
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

Additional General Education Core

*Additional Core Course cannot be used to fulfill a requirement above. 3.00

Select the link below to review LC State's General Education Core courses

<http://catalog.lcsc.edu/general-education> (<http://catalog.lcsc.edu/general-education/>)

Total Credits 15.00

Program Requirements

Code	Title	Credits
CS-111	COMPUTER SCIENCE 1	4.00
CS-226	SQL: STRUCTURED QUERY LANGUAGE	3.00
WEB-111	FOUNDATIONS OF WEB DEVELOPMENT	3.00
WEB-112	FUND OF PROG: JAVASCRIPT	3.00
WEB-117	WEB DESIGN FUNDAMENTALS	3.00
WEB-180	PORTFOLIO DESIGN	3.00
WEB-265	IMAGE EDIT & ILLUSTRATION	3.00
WEB-275	WEB AUTHORING	3.00
WEB-280	WEB DEVELOPMENT CAPSTONE	3.00
WEB-294	IN: WEB	3.00
Select 14 credits from any CS, CYB, or WEB course		14.00
Completion of a Technical Skills Assessment is required		
Total Credits		45.00

Sequential Plan of Study

Course	Title	Credits
First Year		
Fall		
CS-111	COMPUTER SCIENCE 1	4.00
ENGL-101	WRITING AND RHETORIC I	3.00
WEB-111	FOUNDATIONS OF WEB DEVELOPMENT	3.00
WEB-117	WEB DESIGN FUNDAMENTALS (Program Requirement::Select CS, CYB, or WEB course)	3.00
Program Requirement	Select CS, BUS, CYB, or WEB course	4.00
Credits		17.00
Spring		
WEB-112	FUND OF PROG: JAVASCRIPT	3.00
WEB-180	PORTFOLIO DESIGN	3.00
WEB-265	IMAGE EDIT & ILLUSTRATION	3.00
CORE	Mathematical Ways of Knowing	3.00
CORE	Oral Communication	3.00
Credits		15.00

Second Year**Fall**

CS-226	SQL: STRUCTURED QUERY LANGUAGE	3.00
WEB-275	WEB AUTHORIZING	3.00
CORE	Additional General Education Course	3.00
Program Requirement	Select CS, CYB, or WEB course	3.00
Program Requirement	Select CS, CYB, or WEB course	3.00
Credits		15.00

Spring

WEB-280	WEB DEVELOPMENT CAPSTONE	3.00
WEB-294	IN: WEB	3.00
CORE	Social & Behavioral Ways of Knowing	3.00
Program Requirement	Select CS, CYB, or WEB course	4.00
Credits		13.00
Total Credits		60.00

Graduates from Web Design and Development programs go on to obtain careers in a variety of fields:

- Web Developer/Manager/Specialist/Coordinator/Administrator
- Web Designer
- Frontend Developer
- Backend Developer
- UI Designer/UX Developer
- Content Strategist

Please check the U.S. Bureau of Labor Statistics website for more information about these careers.