

Web Developer

FACULTY

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<http://www.bates.ctc.edu/WebDeveloper>

A web developer is responsible for the site design and functionality that make surfing the Internet fun and easy. This program combines a unique blend of design and development technologies using a hands-on approach. Students learn to use industry software and development tools to create, implement and maintain static and dynamic web sites. Employment opportunities include positions as web designers, specialists, technicians, and developers.

Associate of Technology Degree: 106 credits

Web Developer

		<u>Credits/Hours</u>
CIS 101	Computer Concepts and Technologies	3/50
CSAT 110	Analyzing Problem Solving & Concepts	5/85
CAS 116	Introduction to Databases	4/65
CAS 106	Introduction to Spreadsheets	4/65
CIS 108	Fundamentals of UNIX	4/70
CST 091	Occupational Human Relations	1/17
CSAT 092	Occupational Communications	5/85
CSAT 271	Internet Development I	5/85
CSAT 272	Internet Development II	5/85
CSAT 273	Internet Development III	5/85
CSWD 201	Internet Technologies	5/85
CSWD 203	Copyright and Fair Use	2/33
CSAT 275	Web Authoring Editor	5/85
CSWD 215	Image Editing for the Web	5/85
CSWD 210	Web Site Design & Accessibility	5/85
CSAT 276	Web Site Animation & Interactivity	5/85
CSWD 227	Cascading Style Sheets	3/50
CITW 101	E-commerce	5/85
CIT 121	Project Management	5/85
SDEV 205	Visual Basic dotNet I	5/85
SDEV 206	Visual Basic dotNet II	5/85
CPROG 241	Programming in a Client, Server Environment I	5/85
CPROG 242	Programming in a Client, Server Environment II	5/85
SDEV 223	C-Sharp I	5/85
SDEV 224	C-Sharp II	5/85
CS& 141	Computer Science I JAVA	5/85
CPROG 232	Programming in JAVA II	5/85
CSWD 235	Database-driven Web Sites I	5/85
CSWD 237	Database-driven Web Sites II	5/85
CIS 201	SQL I	5/85
CSAT 111	Applying Supervisory, Management Skills	2/33
CIT 130	Information Technology Topics	2/30
CIT 240	Advanced Information Technology Topics	3/50
CIT 241	Advanced Information Technology Research	4/65
CIT 242	Industry Practicum I	3/50
CIT 243	Industry Practicum II	3/50
CSAT 291	Work-Based Learning Experience	15/250
CSAT 292	Capstone Project	15/250

General Education Requirements

	<u>Credits</u>
100-level or> Human Relations – HREL, PSYCH, SOC or CMST	5
100-level or> Communications – ENGL or CMST	5
100-level or> Mathematics Statistical Analysis or equivalent	5
100-level or> Mathematics - College Algebra or equivalent	5

Associate of Applied Science-T Degree: 115 credits

Web Developer

	<u>Credits</u>
Associate of Technology Degree curriculum with the following	
General Education Requirements	
100-level or> Humanities (ASL, Art or History)	5
100-level or> Social Sciences (Sociology or Psychology)	5
ENGL& 101 English Composition I	5
MATH 146 Introduction to Statistics	5
MATH 141 Pre-Calculus I	5

Bates currently has articulation agreements with four colleges to provide educational options for students seeking a four-year degree in the following career fields: database management, software development, web developer, and fire protection. Please refer to Chapter 1, Degrees & Certificates, in the front of this catalog for more information.

Certificate of Competency: 71 credits

Web Technician

	<u>Credits/Hours</u>	
Completion Range: 9-15 Months		
CIS 101	Computer Concepts and Technologies	3/50
CSAT 110	Analyzing Problem solving & Concepts	4/65
CAS 106	Introduction to Spreadsheets	4/65
CST 091	Occupational Human Relations	1/17
CPROG 205	Visual Basic Desktop Applications I	5/85
CPROG 206	Visual Basic Desktop Applications II	5/85
CPROG 241	Programming in a Client, Server Environment I	5/85
CPROG 242	Programming in a Client, Server Environment II	5/85
CPROG 231	Programming in JAVA I	5/85
CPROG 232	Programming in JAVA II	5/85
CSWD 235	Database-driven Web Sites I	5/85
CSWD 237	Database-driven Web Sites II	5/85
CIS 201	SQL I	5/85
CSAT 271	Internet Development I	5/85
CSAT 272	Internet Development II	5/85
CSAT 275	Web Authoring Editor	5/85
CSWD 215	Image Editing for the Web	5/85
CSWD 210	Web Site Design & Accessibility	5/85
CSAT 276	Web Site Animation & Interactivity	5/85

General Education Requirements

	<u>Credits</u>
90-level or> Human Relations – HREL, PSYCH, SOC or CMST	3
90-level or> Communications – ENGL or CMST	3
90-level or> Mathematics – MATH	3

90-level credit units apply toward meeting certificate requirements, but do not apply toward degree requirements.