

Program Information Report

**Broadcast, Communication, Visual, Digital & Fine Arts**

**Client-side Web Developer (CTWBCD)**

**Certificate**

**Program Effective Term:** Fall 2019

**High Demand Occupation High Skill Occupation High Wage Occupation**

**Program is also available online**

This program is designed for students interested in employment as Client-side Web Developers. Students will create standards-compliant, accessible and usable Web interfaces that meet both user and client needs.

**Articulation:**

Eastern Michigan University, several BS degrees.

**Program Admission Requirements:**

College-level reading and writing

<b>Major/Area Requirements</b>		<b>(11 credits)</b>
WEB 110	Web Development I	4
WEB 210	Web Development II	4
Elective	Any WEB, CIS or CPS course	3-4

**Minimum Credits Required for the Program:** **11**

**PROGRAM PROPOSAL FORM**

- Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.
- Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

<p><b>Program Name:</b></p> <p><b>Division and Department:</b></p> <p><b>Type of Award:</b></p> <p><b>Effective Term/Year:</b></p> <p><b>Initiator:</b></p>	<p><u>Client-side Web Developer</u></p> <p><u>Digital Media Arts / Business &amp; Computing Technologies</u></p> <p><input type="checkbox"/> AA   <input type="checkbox"/> AS   <input type="checkbox"/> AAS  <input checked="" type="checkbox"/> Cert.   <input type="checkbox"/> Adv. Cert.   <input type="checkbox"/> Post-Assoc. Cert.   <input type="checkbox"/> Cert. of Comp.</p> <p><u>Fall 2019</u></p> <p><u>Jason Withrow</u></p>	<p><b>Program Code:</b></p> <p><b>CIP Code:</b></p>
<p><b>Program Features</b>                  Program's purpose and its goals.                  Criteria for entry into the program, along with projected enrollment figures.                  Connection to other WCC programs, as well as accrediting agencies or professional organizations.                  Special features of the program.</p>	<p><b>Program purpose and goals:</b> This is a short certificate focused on the skills needed for employment as a client-side Web developer.</p> <p><b>Program admission requirements:</b>                  College-level reading and writing.</p> <p><b>Articulation:</b> Various B.S. degrees at EMU</p> <p><b>Special features:</b> Most courses will be available as both mixed mode and online (WEB 100 is online-only).</p>	
<p><b>Need</b>                  Need for the program with evidence to support the stated need.</p>	<p>The WEB Advisory Board has continued to indicate a need for client-side Web Developers. Our challenge up to this point has been getting students through longer certificates that include these skills; few of them complete all the courses. With that in mind, a shorter certificate focused just on client-side Web Development is likely to achieve higher completion rates. Offering the entire curriculum online is also likely to attract more students into the program and could boost completion rates. Based on research from our sabbaticals (Jason Withrow and Kelley Gottschang) there is a need for short, layered certificates in our industry.</p>	
<p><b>Program Outcomes/Assessment</b>                  State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program.                  Include assessment methods that will be used to determine the effectiveness of the program.</p>	<p><u>Outcomes</u></p> <ol style="list-style-type: none"> <li>1. Create web pages that render properly cross-browser, based on a design.</li> <li>2. Implement responsive design in a web page, utilizing a responsive grid framework.</li> <li>3. Implement accessibility best practices in a web page.</li> <li>4. Modify document behavior and appearance using JavaScript.</li> </ol>	<p><u>Assessment method</u></p> <ol style="list-style-type: none"> <li>1. Project</li> <li>2. Project</li> <li>3. Project</li> <li>4. Project</li> <li>5. Exam</li> </ol>

CTWB CD

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	5. Identify industry best practices for web developers.	
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<p><b>Curriculum</b></p> <p>List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.</p>	<p><del>WEB 100: Working in the Web Industry (2 credits)</del>          WEB 110: Web Development I (4 credits)          WEB 210: Web Development II (4 credits)  <i>Any WEB, CIS or CPS course (3-4 credits)</i>          Minimum Credits Required: <del>10</del> <i>11-12</i></p>																							
<p><b>Budget</b></p> <p>Specify program costs in the following areas, per academic year:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 30%;">START-UP COSTS</th> <th style="width: 30%;">ONGOING COSTS</th> </tr> </thead> <tbody> <tr> <td><b>Faculty</b></td> <td style="text-align: center;">\$ .</td> <td style="text-align: center;">\$ .</td> </tr> <tr> <td><b>Training/Travel</b></td> <td style="text-align: center;">0.00</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td><b>Materials/Resources</b></td> <td style="text-align: center;">0.00</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td><b>Facilities/Equipment</b></td> <td style="text-align: center;">0.00</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td><b>Other</b></td> <td style="text-align: center;">0.00</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td style="text-align: right;"><b>TOTALS:</b></td> <td style="text-align: center;">\$ .</td> <td style="text-align: center;">\$ .</td> </tr> </tbody> </table>				START-UP COSTS	ONGOING COSTS	<b>Faculty</b>	\$ .	\$ .	<b>Training/Travel</b>	0.00	0.00	<b>Materials/Resources</b>	0.00	0.00	<b>Facilities/Equipment</b>	0.00	0.00	<b>Other</b>	0.00	0.00	<b>TOTALS:</b>	\$ .	\$ .
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<p><b>Program Description for Catalog and Web site</b></p>	<p>This program is designed for students interested in employment as client-side Web Developers. Students will create standards-compliant, accessible, and usable Web interfaces that meet both user and client needs.</p>																							
<p><b>Program Information</b></p>	<p><b>Accreditation/Licensure -</b></p> <p><b>Advisors -</b> Scott Shaper, Jason Withrow, Kelley Gottschang</p> <p><b>Advisory Board -</b> WEB Advisory Board</p> <p><b>Admission requirements -</b> College-level reading and writing</p> <p><b>Articulation agreements -</b> Various B.S. degrees at EMU</p> <p><b>Continuing eligibility requirements -</b></p>																							

**Assessment plan:**

Program outcomes to be assessed	Assessment tool	When assessment will take place	Courses/other populations	Number students to be assessed

1. Create web pages that render properly cross-browser, based on a design.	Project	Every 3 years beginning 2022	WEB 210	All
2. Implement responsive design in a web page, utilizing a modern responsive grid framework	Project	Every 3 years beginning 2022	WEB 210	All
3. Implement accessibility best practices in a web page	Project	Every 3 years beginning 2022	WEB 210	All
4. Modify document behavior and appearance using JavaScript.	Project	Every 3 years beginning 2022	WEB 210	All
5. Identify industry best practices for web developers.	Exam	Every 3 years beginning 2022	WEB 100	All

**Scoring and analysis plan:**

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally-developed rubric, external evaluation, other). Attach the rubric.

Departmentally-developed rubric will be used for outcomes 1-4.

Outcome 5 will be evaluated using an answer key.

2. Indicate the standard of success to be used for this assessment.

Outcomes 1-4: At least 70% of students will achieve a 80% or higher on the appropriate rubric item(s).

Outcome 5: At least 70% of students will correctly answer 70% of the indicated exam questions.

3. Indicate who will score and analyze the data.

WEB full-time faculty will score and analyze the data.

Sign Here  
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REVIEWER	PRINT NAME	SIGNATURE	DATE
Department Chair/Area Director	Ingrid Ankerson		9/24/18
Dean	Eva Samulski		9-26-18
Curriculum Committee Chair	Lisa Veasey		11/20/18
Vice President for Instruction <input type="checkbox"/> Approved for Development <input type="checkbox"/> Final Approval	Kim Hurns		11/20/18
President	Rose Bellanca		1/3/19
Board Approval			3/26/19

logged 2/5/19  
jm