

# Fundamentals of JavaScript, Functional Programming and Web Development

July 2020



Certifying Agency	<a href="#">Operation Spark</a>
Description of Credentials	<p>These credentials aim to prepare students for both high-wage careers in Software Development and advanced college-level Computer Science coursework. Students can begin the program with zero knowledge of programming concepts, and by the time they have completed the full sequence of courses, they will be equipped to enter one of the fastest growing industries as a full-stack JavaScript web developer.</p> <p>Basic State:</p> <ol style="list-style-type: none"> <li>1. <b>IBC# 446</b> – <a href="#">Fundamentals of JavaScript, Functional Programming and Web Development, Level 1</a></li> </ol> <p>Advanced State:</p> <ol style="list-style-type: none"> <li>2. <b>IBC# 447</b> – <a href="#">Fundamentals of JavaScript, Functional Programming and Web Development, Level 2</a></li> </ol>
Graduation Pathway Inclusion	<p><b>Jump Start 2.0:</b> Information Technology  <b>K16 Pathway:</b> LSU Computing</p>
	<p><b>Jump Start 1.0:</b> Web Design Professional; Internet Web Foundations; Digital Media and Entertainment Technology; Information Technology; Technology Specialist</p>
Certification Resources	<a href="#">Course Descriptions</a>
System Requirements	<a href="#">System Requirements</a> (Operation Spark High School Program FAQ #1)
Testing Details	<a href="#">Requirements</a> to sit for an exam (Operation Spark High School Program FAQ #2)
Test Accommodations & Language Access	<a href="#">Test Accommodations</a> (Operation Spark High School Program FAQ #3)
Testing Methodology	<p><b>Paper Exam Option:</b> No  <b>Online Exam Option:</b> Yes  <b>Hands-on Skills Assessment:</b> Yes  <b>Work Experience Required:</b> No  <b>Clinical Rotation Required:</b> No</p>
Test Proctoring and Security	<p>Test security should be aligned to state and district policies, including but not limited to, Bulletin 118 §5305</p> <p><a href="#">Test Security</a> (Operation Spark High School Program FAQ #4)</p>
Cost Details	<a href="#">Cost Details</a> (Operation Spark High School Program FAQ #5)
Additional Details	
Instructor Certification Requirements	<p>Bulletin 746, Chapter 5: All Louisiana teachers providing instruction in a course that leads to an IBC must hold the certification that they're teaching students to attain.</p> <p><a href="#">Required Teacher Training</a> (Playbook page 8)</p>

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For More Information	
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This document serves as a guide for school systems to implement IBCs. Always check with the certifying agency for latest updates.