Hello, and welcome!

Have you ever used mobile driving directions or shopped online? If so, the app you used probably relied on JavaScript. It is a scripting language that was created to enhance web pages. Many years ago, websites were static. With the use of JavaScript, however, they are now more dynamic and interactive.

In this course, you will explore how to use JavaScript to make websites come alive. To accomplish this, you will learn to work with existing frameworks, content, and assets. In addition, you will discover how to add data capabilities and improve website functionality. Some parts of this scripting language may seem complicated or confusing. But you will learn step by step. And by gaining JavaScript skills, you can further your career in web development.

You are in the right place. You belong here. You can do this!
Course Description and Competencies

What to Expect

This course is comprised of five modules, which introduce you to various concepts. These are Fundamentals, Websites, Completing Tasks, jQuery, and Angular. The course materials include readings, practice quizzes, and hands-on activities to prepare you for the course assessment. These will help prepare you to demonstrate your achievement of three competencies.

Front-End Web Development is a prerequisite to this course. You will demonstrate competency through a performance assessment.

By the end of this course, you will be able to:

1. Write basic scripts to accomplish tasks with JavaScript.
2. Use existing frameworks, assets, and web content that address stakeholder preferences and enhance website functionality.
3. Add data capabilities to web applications with application programming interfaces (APIs) and web services.

You will be assessed by the following criteria:

1 performance assessment • 3 competency units

You must achieve a ranking of Competent on the assessment to pass the course. You will have three attempts to pass the assessment.
## Course Outline

<table>
<thead>
<tr>
<th>Module</th>
<th>Upon completion of this module, you will be able to:</th>
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| **Fundamentals**  | A. Write a script to accomplish tasks.  
                   B. Describe the basic syntax, data structures, and operators of JavaScript.  
                   C. Debug scripts written in JavaScript. |
| **Websites**      | A. Leverage existing frameworks, assets, and content for a website.                                                      |
| **Completing Tasks** | A. Determine the most appropriate development framework for web development.  
                            B. Modify an approach to tasks based on requirement changes.  
                            C. Identify a script to accomplish tasks.                 |
| **jQuery**        | A. Demonstrate how to use different selectors for specific DOM elements.  
                            B. Identify and implement third-party application programming interfaces (APIs).  
                            C. Demonstrate how to incorporate plug-ins.                |
| **Angular**       | A. Discover data in extensible format.  
                            B. Engineer with multi-platform API.                        |
Technology Requirements

We want you to have the tools to succeed! Review the Computer System and Technology Requirements to learn about the technology you will need. If you have questions about your setup, contact support@academy.wgu.edu.

Key Contacts

Your Fellow Learners

Check out the Course Lobby in the course site! In this online community, you can ask questions and explore ideas. You can connect with your fellow learners. When you use this site, you will realize that other learners may have the same questions you have. You can all benefit from learning together!

Technical Support

If you encounter technical issues, be sure to contact the Help Desk. Just submit a Support Request for assistance.

Program Support

Do you have questions about your account? Our Academy Support Team has answers. They can help with billing, switching courses, and other requests. You can contact them at (888) 320-0540 or support@academy.wgu.edu.

Accommodations

WGU Academy provides compliant and accessible learning experiences. If you require accommodation, please contact us at the start of the course. You can email StudentAffairs@academy.wgu.edu or call (888) 320-0540. We are committed to ensuring that all students with disabilities have equal access to WGU Academy’s services and materials. We strive to use best practices for accessibility. Our goal is to conform to existing U.S. laws. These include the Americans with Disabilities Act and Section 504 and Section 508 of the Rehabilitation Act. Our learning management system (LMS) platform is Open edX. Open edX’s commitment to accessible content is published on their Website Accessibility Policy.