Hello, and welcome!

When you explore a website, do you think about how the pages were created? Web developers put a great deal of thought and effort into your digital experience. They want to ensure it is inviting, informative, and seamless. Throughout this course, you will discover how those developers work.

As you learn about web development foundations, you will study the basics of hypertext markup language (HTML), extensible markup language (XML), and cascading style sheets (CSS). These are the foundational languages of the web. You will use developer tools to troubleshoot problems. And you will explore integrated development environments. With these skills, you will be prepared to pursue a 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 divided into three modules, focusing on various concepts. These are HTML and XML, CSS, and Debug & Test. 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.

This is a foundational course, and there is no prerequisite. You will demonstrate competency through an objective assessment.

This course covers the following competencies:

1. The learner creates the structure of basic web documents using HTML and XML.
2. The learner implements web page formatting and interface aesthetics using CSS.
3. The learner resolves software problems in web development environments with debugging tools.

You will be assessed by the following criteria:

1 final exam  • 3 competency units

The objective assessment allows you to demonstrate three core competencies from the course. You will have two attempts to pass the exam.
## Course Outline

<table>
<thead>
<tr>
<th>Module</th>
<th>Upon completion of this module, you will be able to:</th>
</tr>
</thead>
</table>
| HTML and XML         | A. Identify data in extensible format.  
B. Create web pages and web documents using HTML.                                                                     |
| CSS                  | A. Format web page layout using CSS.  
B. Define the text styles, table aspects, and aesthetics of a web page using CSS.  
C. Separate presentational code from data code in a web page using CSS.  
D. Implement interface aesthetics.                                                                                   |
| Debug & Test         | A. Resolve a challenge using a problem-solving process.  
B. Configure software testing environments.                                                                    |

## Technology Requirements

We want you to have the tools to succeed! Since this course includes at least one proctored test, please be sure to have a working microphone, speakers, and an *external* webcam. Unfortunately, an internal webcam (built into many laptops) is not acceptable. (Note: The external webcam is required only for exams that have proctors. You do not need one for practice tests and other non-proctored assessments.) For other details about the technology you’ll need, review the [Computer System and Technology Requirements](#). If you have questions about your setup, contact [support@academy.wgu.edu](mailto:support@academy.wgu.edu).

You will need Adobe Acrobat Reader DC. If you haven’t already, [download this free software](#). You may encounter an interactive form that contains fields that you can select or fill in. Review *[how to fill in a PDF form](#)*.
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!

Tutor.com
If you need academic support, don’t hesitate to contact Tutor.com. There, you have access to thousands of tutors. And they are available 24/7 from any internet-ready device. You can also benefit from instructional videos, study tools, and other assistance.

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? Student Support 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 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’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.