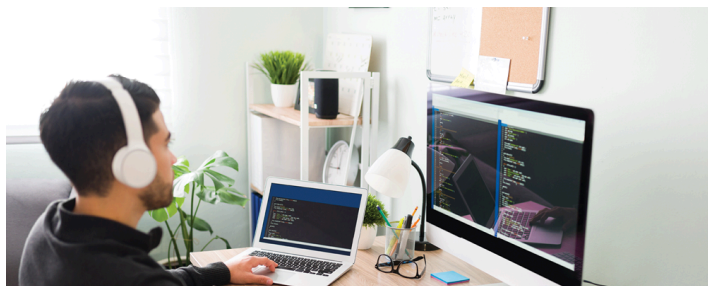# WEB APPLICATION DEVELOPMENT, SHORT-TERM CERTIFICATE

Short-term certificate in Web Application Development. Students will explore current technologies to analyze, design, develop, implement and test database driven Web applications. Skills acquired will prepare students for jobs as Web, Application, PHP, ASP.NET and Web 2.0 developers.

This program is available to be completed 100% online.

Program contact: Learn more

This certificate will be automatically awarded when the certificate requirements are completed. If you do not want to receive the certificate, please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.

Learn more about how certificate credits apply to the related degree.

Program Admission Requirements

- High School Diploma/GED not required, but highly recommended.
- MATH-0965 Intermediate Algebra or MATH-1240 Contemporary Mathematics or qualified Math Placement.

Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Engage in directed work as a member of diverse software development and/or support team.
2. Analyze, design, develop, and test web applications to address specified business problems using high-level languages, technologies and appropriate methodologies.
3. Prepare, test and deploy a web application within a given platform(s) and framework(s) following legal and ethical guidelines.
4. Troubleshoot web application issues to determine the best solution to satisfy the customer.

Suggested Semester Sequence

Summer Start		Credit Hours
IT-1025	Information Technology Concepts for Programmers	3
IT-1050	Programming Logic	3
	Credit Hours	**6**

First Semester		
IT-2310	Web Programming	3
IT-2351	Enterprise Database Systems	4
IT-2650	Java Programming	4
	Credit Hours	**11**

Second Semester		
IT-2320	Interactive Internet Programming	4
Select one of the following:		3-4
IT-2030	ASP.NET Web Programming	
IT-2600	E-Business Programming Technologies	
	Credit Hours	**7-8**
	Total Credit Hours	**24-25**

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.