

# .NET PROGRAMMING, POST-DEGREE PROFESSIONAL CERTIFICATE



Post-Degree Professional Certificate in .NET Programming is designed to establish, update or enhance skills in .NET technologies including but not limited to C#, .NET Framework and ASP .NET including database and web technologies.

**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](mailto:RegistrarOffice@tri-c.edu).**

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

## Program Admissions Requirements

- MATH-0955 Beginning Algebra or qualified Math placement.
- Associate's degree or higher

## Program Learning Outcomes

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

1. Develop programs in current high level languages (C# (preferred), C, Java), and utilize troubleshooting & debugging tools to locate and repair program code.
2. Produce web applications using C#, HTML, Database, ASP.NET, VB.NET, JavaScript, & CSS.
3. Utilize Visual Studio Data Interfaces to create, test, and debug data structures.
4. Develop detailed test plans to ensure applications works as designed.
5. Enhance/modify as directed existing .NET applications.
6. Build and query data structures for debug purposes and for simple data storage.
7. Develop data flow diagram to create a visual representation of data structures.
8. Work as a member of a programming team, performing modular programming tasks, to meet client needs.
9. Develop technical/code documentation to explain purpose, design, and functionality of code.

Summer Start		Credit Hours
IT-1025	Information Technology Concepts for Programmers	3
IT-1050	Programming Logic	3
<b>Credit Hours</b>		<b>6</b>
Second Semester		Credit Hours
IT-2310	Web Programming	3
IT-2351	Enterprise Database Systems	4
<b>Credit Hours</b>		<b>7</b>
Third Semester		Credit Hours
IT-2030	ASP.NET Web Programming	4
IT-2320	Interactive Internet Programming	4
<b>Credit Hours</b>		<b>8</b>
<b>Total Credit Hours</b>		<b>21</b>

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.