

# .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 appropriate score on the Math placement test.

## 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
Credit Hours		6
Second Semester		Credit Hours
IT-1150	Introduction to Web Programming	3
IT-2351	Enterprise Database Systems	4
Credit Hours		7
Third Semester		Credit Hours
IT-2030	ASP.NET Web Programming	4
IT-2320	Interactive Internet Programming	4
Credit Hours		8
Total Credit Hours		21