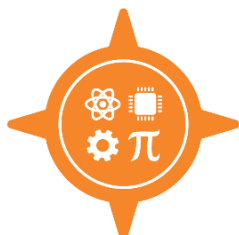**DALLAS COLLEGE**

GUIDED PATHWAY: VISUAL STUDIO DEVELOPER CERTIFICATE

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH

For more information, visit the Dallas College Computer Information Technology webpage [www.dcccd.edu/CIT] and your academic advisor at your campus.

This is an example course sequence for students interested in pursuing Computer Information Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Visual Studio Developer Certificate. Courses from this certificate may apply to the related A.A.S. degree. Students must earn at least 25% of the credit hours required for graduation through instruction by Dallas College. See catalog for official certificate requirements.

This certificate provides programmers with skills knowledge, and expertise to utilize Microsoft Visual Studio.NET to create rich client applications, components, and services built on the latest .NET Framework and preparation required to pass the Microsoft Certified Technology Specialist Developer Exams in Windows Forms Applications, ASP.NET Web Applications and SQL Server Database Applications. Courses that complete the certificate are noted below.

Students pursuing this certificate are waived from the Texas Success Initiative (TSI) standards, but must meet course prerequisites, as long as the student completes the TSI waiver form prior to enrollment.

Catalog Year	2020-2021 You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Level I Certificate
GPA Requirement	Student must earn a GPA of 2.0 or higher
TSI	May be Exempt

SEMESTER-BY-SEMESTER MAP FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students. This is not an official degree plan. See catalog for official certificate requirements.

CERTIFICATE MINIMUM: 16 SEMESTER CREDIT HOURS

PREREQUISITES

Basic understanding of personal computers and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1301 or equivalent experience approved by designated Information Technology personnel.

SEMESTER 1   Total Hours: 8

ITSE 1429 – Programming Logic and Design
CHOOSE ONE: **ITSE 1432** – Introduction to Visual Basic.NET Programming ***OR***
                              ITSE 1430 – Introduction to C# Programming

SEMESTER 1 ACTION ITEMS
1. Meet with your advisor to confirm academic and career goals before the end of the semester.
2. Meet with a career advisor or coach to research career options and opportunities for job shadowing

SEMESTER 2   Total Hours: 8

CHOOSE ONE: **INEW 1440** – ASP.NET Programming
                              IMED 1416 – Web Design I
                              ITMT 1403 – Querying Microsoft SQL Server with Transact-SQL ***OR***
                              ITSW 1407 – Introduction to Database
CHOOSE ONE: **ITSE 2434** – Advanced Visual Basic.NET Programming *Capstone experience for this award* ***OR***
                              ITSE 2453 – Advanced C# Programming *This is the capstone experience for this award.*

SEMESTER 2 ACTION ITEMS
1. Meet with a career advisor or coach for assistance in preparing for job search.

2. Meet with your advisor to apply for the Visual Studio Developer Certificate.

PATHWAY TOTAL: 16 SEMESTER CREDIT HOURS