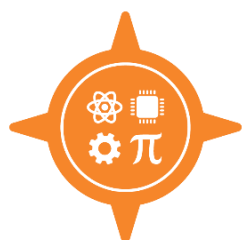# GUIDED PATHWAY: VISUAL STUDIO PROFESSIONAL DEVELOPER CERTIFICATE

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 Professional 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 option is designed to provide students with the skills necessary to build, deploy, and maintain Microsoft Windows Web, and Database applications. The program also provides preparatory training for those wishing to take the Microsoft Certified Professional Developer (MCPD) certification exams. Upon completion, graduates will be qualified to work as programmers, programmer/analysts or system developers. 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: 20 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: 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.*
CHOOSE ONE: IMED 1416 – Web Design I
                                   ITMT 1403 – Querying Microsoft SQL Server with Transact-SQL ***OR***
                                   ITSW 1407 – Introduction to Database

1. Meet with your advisor to request an official degree plan and confirm or update your academic and career path and program of study.
2. Meet with a career advisor or coach for assistance in preparing for job search.

SEMESTER 3   Total Hours: 4

CHOOSE ONE: INEW 1440 – ASP.NET Programming*
                      ITMC 2437 – Programming a Microsoft SQL Server Database*
                      ITSE 2404 – Visual Basic.NET Database Development with ADO.NET* ***OR***
                      ITSE 2438 – C# Database Development with ADO.NET*

* *This is the capstone experience for this award.*

SEMESTER 3 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 Professional Developer Certificate.

PATHWAY TOTAL: 20 SEMESTER CREDIT HOURS