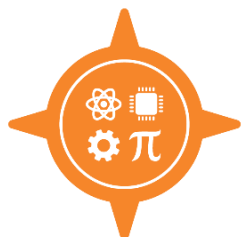# GUIDED PATHWAY: MULTI-PLATFORM APPLICATIONS DEVELOPER CERTIFICATE

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 Networking Security Awards. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Multi-Platform Applications 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 one-year certificate option focuses on training for multi-level Android, iOS and Windows Phone platform devices. Topics include web application design and responsive layout using HTML5/CSS3, native application design and development using Java and Android Studio, core functionality and hybrid development for iOS using Objective C or Swift and Windows Phone using C# or Visual Basic. Graduates will be qualified to enter the business environment as a diverse multi-platform Mobile applications developer. 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	2021-2022 *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: 24 SEMESTER CREDIT HOURS

PREREQUISITE

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: 12

IMED 1416 – Web Design I
ITSE 1429 – Programming Logic and Design
ARTV 2470 – Handheld Device Web Application Development

> *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: 12

ARTV 2471 – Android Application Programming *This is the capstone course for this award.*
ITSE 2410 – iOS Application Programming
***CHOOSE ONE*:**   **INEW 2434 –** Advanced Web Programming
                INEW 1440 – ASP.NET Programming *OR*
                ITSE 1406 – PHP Programming

1. Meet with your advisor or coach for assistance in preparing for job search.
2. Meet with an advisor to apply for the Multi-Platform Applications Developer Certificate.

PATHWAY TOTAL: 24 SEMESTER CREDIT HOURS