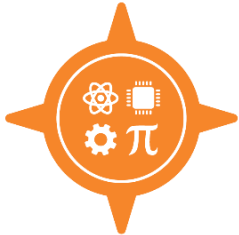


# GUIDED PATHWAY: MOBILE APPLICATIONS DEVELOPER CERTIFICATE

## ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH



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

This is an example course sequence for students interested in pursuing the Networking Security Awards. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Mobile 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-semester certificate option is designed to provide training for persons wanting to develop Android mobile applications from design to deployment. 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 using industry accepted tools, processes and procedures. Graduates will be qualified to enter the workforce as an entry-level Android 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.

<b>Catalog Year</b>	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
<b>Degree Type</b>	Level I Certificate	
<b>GPA Requirement</b>	Student must earn a GPA of 2.0 or higher	
<b><a href="#">TSI</a></b>	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

#### PREREQUISITE

Basic understanding of personal computers and operating systems as obtained in [ITSC 1401](#) or [BCIS 1405](#) or [COSC 1301](#) and problem solving and logic structures as obtained in [ITSE 1429](#) or equivalent experience approved by designated Information Technology personnel.

#### SEMESTER 1

**Total Hours: 16**

[IMED 1416](#) – Web Design I  
[ARTV 2470](#) – Handheld Device Web Application Development  
[ARTV 2471](#) – Android Application Programming  
**CHOOSE ONE:** [ITSE 2417](#) – Java Programming **OR**  
[COSC 1436](#) – Programming Fundamentals I

#### 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 your career options and opportunities for job shadowing and for assistance in preparing for job search.
3. Meet with your advisor to apply for the Mobile Applications Developer Certificate.

**PATHWAY TOTAL: 16 SEMESTER CREDIT HOURS**