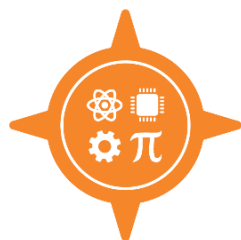


GUIDED PATHWAY: WEB APPLICATION DEVELOPMENT CERTIFICATE

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH



For more information, visit the [Dallas College Internet Development Technologies webpage](http://www.dcccd.edu/InternetDev) [www.dcccd.edu/InternetDev] and your academic advisor at the El Centro Campus.

This is an example course sequence for students interested in pursuing the Web Application Development Level I Certificate. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a certificate in Web Application Development. 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 emphasizes object-oriented programming tools to construct interactive multimedia rich websites compatible with a variety of delivery methodologies including traditional web browsers as well as handheld mobile devices. Areas of study may include object-oriented programming, handheld device SDKs, database driven web solutions, and multimedia interface web presentation. 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: 17 SEMESTER CREDIT HOURS

PREREQUISITES

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

SEMESTER 1

Total Hours: 17-20

[IMED 1416](#) – Web Design I

DESIGNATED ELECTIVES* (three courses)

CHOOSE ONE: [IMED 2415](#) – Web Design II **OR**
[ITSE 1401](#) – Web Design Tools

* All students must complete Semester 1 Program Core Curriculum (IMED 1416 and IMED 2415 or ITSE 1401) and select one of the following specific emphases:

Interactive Web Design Emphasis: select **THREE (3)** courses from the following – ARTC 1302, IMED 1301, IMED 1345, IMED 1491

Web Programming Emphasis: select **THREE (3)** courses from the following – GAME 1409, IMED 1491, INEW 1440, INEW 2434, ITSE 2402, ITSE 2409

Handheld Device Emphasis: select **THREE (3)** courses from the following – ARTV 2470, ARTV 2471, IMED 1491, ITSE 2410

SEMESTER 1 ACTION ITEMS

1. Meet with an advisor to confirm academic and career goals.
2. Meet with a career advisor or coach to research career options and opportunities for job shadowing.
3. Meet with your advisor to apply for the Web Application Development Certificate.

PATHWAY TOTAL: 17-20 SEMESTER CREDIT HOURS