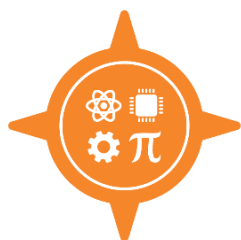# GUIDED PATHWAY: ADVANCED WEB APPLICATION DEVELOPMENT CERTIFCATE

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH

For more information, visit the Dallas College Internet Development Technologies webpage [www.dcccd.edu/InternetDev] and your academic advisor at your campus.

This is an example course sequence for students interested in pursuing Internet Development Technologies. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Advanced Webb Application Development 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 emphasizes programming. It combines course work from the Internet Development Technologies Core curriculum with courses from the Web Application Development Specialization track to provide a three-semester Web Programming track.

Catalog Year	2021-2022 *You may use this pathway if you entered Dallas College on or before this date.*
Degree Type	Level II Certificate
GPA Requirement	Student must earn a GPA of 2.0 or higher
TSI	Must be Complete

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: 44 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: 12

IMED 1416 – Web Design I
CHOOSE ONE: **ITSE 2417 –** Java Programming ***OR***
                                  COSC 1436 – Programming Fundamentals I
CHOOSE ONE: **ITSC 1416 –** Linux Installation and Configuration ***OR***
                                  ITSC 1405 – Introduction to PC Operating Systems

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: 16

ITSE 2409 – Database Programming
ITSE 2402 – Intermediate Web Programming
CHOOSE ONE: **COSC 1437 –** Programming Fundamentals II ***OR***
                                  INEW 2438 – Advanced Java Programming
CHOOSE ONE: **IMED 2415 –** Web Design II ***OR***
                                  ITSE 1401 – Web Design Tools

SEMESTER 2 ACTION ITEMS
1. Meet with your advisor to request an official program of study audit and confirm or update your academic and career path.

2. Meet with a career advisor or coach to research career options and opportunities for job shadowing

SEMESTER 3   Total Hours: 16

INEW 2434 – Advanced Web Programming *This course is the capstone experience for this award.*
ARTV 2470 – Handheld Device Web Application Development
ITNW 1274 – Managing Web Site Development Projects
ENGL 1301 – Composition I *This is a Core course. You must earn a "C" or better.*
CHOOSE ONE: **SPCH 1311** – Introduction to Speech Communication *This is a Core Course.* **OR**
                   SPCH 1315 – Public Speaking *This is a Core Course.*

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 Advanced Web Application Developer Certificate.

PATHWAY TOTAL: 44 SEMESTER CREDIT HOURS