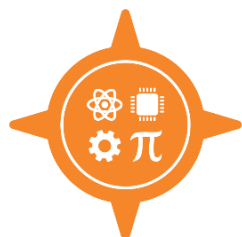


# GUIDED PATHWAY: WEB PRODUCTION AND DESIGN CERTIFICATE

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 Computer Information Technology. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a Web Production and Design 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 will provide education and training for individuals who would like to explore basic techniques of web design in order to use the Internet as an interactive communications medium. This program introduces students to Web Design through basic and advanced web design techniques, introductory web programming, digital imaging for the web, web/database operations (such as shopping carts), and basic design principals. It is available on-campus or online. All of the courses in this certificate are applicable to the Associate in Applied Sciences Degree in Web Production and Design. Courses that complete the certificate are noted below.

|                        |  |  |
|------------------------|--|--|
| <b>Catalog Year</b>    | 2021-2022                                | You may use this pathway if you entered Dallas College on or before this date. |
| <b>Degree Type</b>     | Level II Certificate                     |  |
| <b>GPA Requirement</b> | Student must earn a GPA of 2.0 or higher |  |
| <b><u>TSI</u></b>      | 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: 43 SEMESTER CREDIT HOURS**

### PREREQUISITES

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: 16-17**

[ENGL 1301](#) – Composition I *This is a Core course. Must earn a grade of C or higher.*

[ARTC 1302](#) – Digital Imaging I

[ITSE 1429](#) – Programming Logic and Design

**CHOOSE ONE:** [IMED 1316](#) – Web Design I **OR**

[IMED 1416](#) – Web Design I

**CHOOSE ONE:** [ARTS 1311](#) – Design I *This is a Core course.* **OR**

[ELECTIVE HUMANITIES/FINE ARTS\\*](#)

\* There are several options to fulfill this requirement. See your academic advisor for a specific list.

#### 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: 14-16**

[IMED 2449](#) – Internet Server Management

[ITSE 1411](#) – Beginning Web Programming *This course covers client-side programming techniques in JavaScript.*

**CHOOSE ONE:** [IMED 2315](#) – Web Design II *This is the capstone experience for this award.*

[IMED 2415](#) – Web Design II **OR**  
[ARTC 1359](#) – Visual Design for New Media  
**CHOOSE ONE:** [ITSW 1307](#) – Introduction to Database  
[ITSW 1407](#) – Introduction to Database **OR**  
[ITSE 1303](#) – Introduction to MySQL

**SEMESTER 2 ACTION ITEMS**

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: 13-15**

**ELECTIVE WEB DESIGN ELECTIVE\***

**CHOOSE ONE:** [SPCH 1311](#) – Introduction to Speech Communication *This is a Core course.*

[SPCH 1315](#) – Public Speaking *This is a Core course.* **OR**

[SPCH 1321](#) – Business and Professional Communication *This is a Core course.*

**CHOOSE ONE:** [ITSE 2402](#) – Intermediate Web Programming *This course covers server-side programming techniques. Languages will vary but may include ASP, ASP.NET, PHP, or other languages.*

[INEW 1440](#) – ASP.NET Programming **OR**

[ITSE 1406](#) – PHP Programming

**CHOOSE ONE:** [IMED 2313](#) – Project Analysis and Design *This is the capstone experience for this award.*

[IMED 2413](#) – Project Analysis and Design *This is the capstone experience for this award.* **OR**

[IMED 2311](#) – Portfolio Development *This is the capstone experience for this award.*

\*Web Design Elective: INEW 2334\*\*, INEW 2434\*\*, IMED 1345, IMED 1445, ITSE 1301, ITSE 1401, ITSE 1491, ARTC 1359, ARTV 1341, ARTV 2301, ARTV 1351, ARTV 2330, ARTV 2351, IMED 1359, ITSC 1415

**SEMESTER 3 ACTION ITEMS**

1. Meet with your advisor to apply for the Web Production and Design Certificate.

**PATHWAY TOTAL: 43-48 SEMESTER CREDIT HOURS**