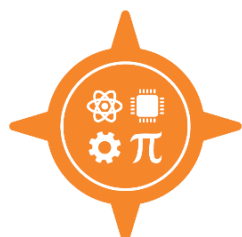


GUIDED PATHWAY: LINUX SYSTEM ADMINISTRATOR CERTIFICATE

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 Networking Security Awards. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn a LINUX System Administrator 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 is designed to provide a basic understanding of the duties associated with a LINUX System Administrator. Students must complete the courses below in sequence. 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	2020-2021	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

PROGRAM PREREQUISITES

Basic understanding of personal computer and operating systems as obtained in [ITSC 1401](#) or [BCIS 1405](#) or [COSC 1301](#) or equivalent experience approved by designated Information Technology personnel.

PREREQUISITES

Total Hours: 8

[ITSC 1425](#) – Personal Computer Hardware

CHOOSE ONE: [ITNW 1425](#) – Fundamentals of Networking Technologies **OR**
[ITCC 1414](#) – CCNA 1: Introduction to Networks

PREREQUISITES 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.

SEMESTER 1

Total Hours: 8

[ITSC 1416](#) – Linux Installation and Configuration

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

SEMESTER 1 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.

SEMESTER 2

Total Hours: 8

CHOOSE ONE: [ITSC 2425](#) – Advanced Linux *This is the capstone course for this award.* **OR**

CHOOSE ONE: [ITSC 1458](#) – UNIX System Administration I *This is the capstone course for this award.*
[ITNW 1413](#) – Computer Virtualization **OR**
[ITSC 1447](#) – UNIX System Administration II

SEMESTER 2 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 LINUX System Administrator Certificate.

PATHWAY TOTAL: 24 SEMESTER CREDIT HOURS