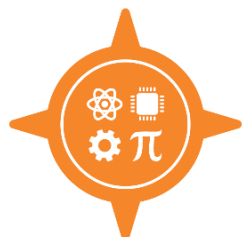# GUIDED PATHWAY: LINUX SYSTEM ADMINISTRATOR CERTIFICATE

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH

For more information, visit the Dallas College Computer Information Technology webpage [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	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: 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

ITSC 1458 – UNIX System Administration I *This is the capstone course for this award.*

CHOOSE ONE: **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