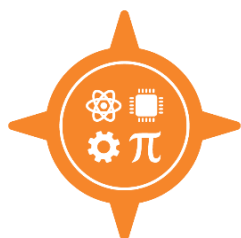


GUIDED PATHWAY: CLOUD COMPUTING

ENGINEERING, TECHNOLOGY, MATHEMATICS and SCIENCES CAREER PATH



For more information, visit the [Dallas College Cloud Computing webpage](http://www.dcccd.edu/CloudComputing) [www.dcccd.edu/CloudComputing] and your academic advisor at your campus.

The A.A.S. degree program in Cloud Computing provides education and training for individuals interested in developing the knowledge, skills and concepts necessary to serve as a cloud support technician. Upon completion of the program, students will develop the fundamental skills necessary to support and manage infrastructure and workloads on cloud platforms such as Amazon Web Services (AWS) and Microsoft Azure. The Cloud Computing Associate Degree includes course work in key areas: Introduction to computers, fundamentals of cloud computing, cloud deployment and infrastructure management, cloud database technologies, cloud networking and security, server support concepts, Linux, and scripting languages such as Python and PowerShell. Fundamentals of Cloud, Security, and Networking technologies are stressed with a focus on implementation and support skills. This program is a THECB approved Program of Study (POS).

This is an example course sequence for students interested in pursuing the Cloud Computing associate degree. It does not represent a contract, nor does it guarantee course availability. Following this pathway will help you earn an Associate of Applied Science (A.A.S.) degree in Cloud Computing. Students must earn at least 25% of the credit hours (15 hours) required for graduation through instruction by Dallas College. See catalog for [official degree requirements](#). Courses that complete the Degree are noted below.

Visit the [NTCCC Transfer Consortium](#) to view guided pathways created for students who complete an A.A.S. degree and the options for transfer to complete a Bachelor of Applied Arts and Science. Speak with an academic advisor at your campus to choose courses that will help you to transfer to a specific university.

Catalog Year	2020-2021	You may use this pathway if you entered Dallas College on or before this date.
Degree Type	Associate of Applied Science	
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 degree requirements](#).

AAS DEGREE MINIMUM: 60 SEMESTER CREDIT HOURS

SEMESTER 1 Total Hours: 15

[ITSC 1301](#) – Introduction to Computers
[ITNW 1309](#) – Fundamentals of Cloud Computing
[ENGL 1301](#) – Composition I *This is a Core course. You must earn a grade of "C" or better.*
CHOOSE ONE: [ITSW 1307](#) – Introduction to Database **OR**
[ITSE 1303](#) – Introduction to MySQL
CHOOSE ONE: [SPCH 1311](#) – Introduction to Speech Communication *This is a Core course.* **OR**
[SPCH 1315](#) – Public Speaking *This is a core course.* **OR**
[SPCH 1321](#) – Business and Professional Communication *This is a Core course.*

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 your career options and opportunities for job shadowing.

SEMESTER 2 Total Hours: 15

[ITNW 1308](#) – Implementing and Supporting Client Operating Systems
[ITSC 1416](#) – Linux Installation and Configuration
[ITSE 1429](#) – Programming Logic and Design
CHOOSE ONE: [ITNW 1425](#) – Fundamentals of Networking Technologies **OR**

SEMESTER 2 ACTION ITEMS

1. Meet with your advisor to request an official program of study audit, confirm or update your academic/career path and program of study.

SEMESTER 3

Total Hours: 15

[ITNW 1354](#) – Implementing and Supporting Servers

[ITSE 1359](#) – Introduction to Scripting Languages

[ITNW 1336](#) – Cloud Deployment and Infrastructure Management

[ITSC 1315](#) – Project Management Software

[MATHEMATICS ELECTIVE](#)* *This is a Core course. You must earn a grade of "C" or better.*

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

SEMESTER 3 ACTION ITEMS

1. Meet with a faculty of career advisor regarding placement for the Practicum course [if needed].
2. Meet with a career advisor or coach for assistance in preparing for job search.

SEMESTER 4

Total Hours: 15

[ITNW 2327](#) – Advanced Cloud Concepts

[ITSY 1342](#) – Information Technology Security

[SOCIAL/BEHAVIORAL SCIENCE ELECTIVE](#)* *This is a Core course.*

[HUMANITIES/FINE ARTS ELECTIVE](#)* *This is a Core course.*

CHOOSE ONE: [ITSC 2335](#) – Application Software Problem Solving *This is a capstone experience for this award.* **OR**

[ITNW 2364](#) – Practicum (or field Experience) – Computer Systems Networking and Telecommunications *This is a capstone experience for this award.*

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

SEMESTER 4 ACTION ITEMS

1. After reviewing your degree plan and program of study, meet with your advisor to apply for the Cloud Computing A.A.S.
2. Sign up for Commencement.
3. Join the [Alumni Network](#)!

PATHWAY TOTAL: 60 SEMESTER CREDIT HOURS