

Cloud Computing



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Cloud computing is the delivery of different services through the internet, including data storage, servers, databases, networking software, and analytics. Cloud-based storage and collection of big data make it possible to save files to a remote database and retrieve them on demand.

Some of the most recognizable companies that use and offer cloud computing services are Amazon, Apple, Google, and Microsoft.

According to experts, the cloud computing market [is positioned to be worth \\$947 billion by 2026](#).

The Cloud Computing Program is pending approval by the Southern Association of Colleges and Schools Commission on Colleges.

What Will I Learn?

Students in this program will learn how to create cloud systems from beginning to end. This also includes information technology fundamentals such as computer maintenance, networking, cloud computing, Cybersecurity, and more.

What Can I Do with This Course of Study?

Once certified as a "Level 2 Cloud Practitioner," students can have their pick of careers as cloud engineers, cloud architects, or cloud consultants for various industries.

Cloud Computing Certificate of Completion - CC1

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

| Course | Course Title | Counts Toward |
|-----------|---|---------------|
| CMPT 1411 | Introduction to Computer Maintenance (A+) | CC1 |
| ITNW 1425 | Introduction to Networking (N+) | CC1 |
| INTW 1309 | Fundamentals of Cloud Computing | CC1 |
| ITSY 1300 | Fundamentals of Information Security | CC1 |
| ITNW 2329 | Application Development for the Cloud | CC1 |

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

| Course | Course Title | Counts Toward |
|-----------|---|---------------|
| ITSC 1416 | Linux Installation and Configuration (Linux +) | CC1 |
| ITNW 1335 | Information Storage and Management | CC1 |
| ITSY 1372 | Cyber-Psychology and the Effects of Emerging Technology | CC1 |

Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.

| Course | Course Title | Counts Toward |
|-----------|---|---------------|
| ITSY 1342 | Information Technology Security* (Security +) | CC1 |
| ITNW 2427 | Advanced Cloud Concepts (Capstone) (Cloud +) | CC1 |

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