

BACHELOR OF  
SCIENCE  
WITH AN AREA OF STUDY IN  
**CLOUD  
COMPUTING**

### WHY OUR PROGRAM?

To meet the increasing demand for cloud computing professionals, the Bachelor of Science with an area of study in Cloud Computing from Thomas Edison State University (TESU) produces workforce ready graduates. The 120-credit program is designed to provide students a strong foundation in information technology and cloud computing technologies, while also helping them prepare for industry recognized certifications through CompTIA.

As a CompTIA Academic Partner, TESU has developed cloud courses using CompTIA-approved learning materials which will help students prepare for the Cloud Essentials+ and Cloud+ certification exams while earning credit towards their degree.

### PROGRAM ADVANTAGES

- ▶ Gain a solid foundation of cloud computing topics including networking, programming, artificial intelligence, machine learning and more.
- ▶ Learn from the first New Jersey state institution to launch a BS degree with an area of study in Cloud Computing that is entirely online.
- ▶ Experience virtual labs and interactive training to gain hands-on experience in real-world scenarios.
- ▶ Learn from a comprehensive cloud computing-focused curriculum, including courses built through an academic partnership with CompTIA

### EARN A DEGREE THAT PREPARES YOU FOR THE FUTURE OF IT

Cloud computing has become a necessity for businesses and organizations in all industries. Today, our everyday lives involve interacting with cloud technology, both as consumers and as employees. That is why demand for cloud computing professionals has also increased.

The Bachelor of Science degree, with an area of study in Cloud Computing at Thomas Edison State University (TESU) will provide you with a strong foundation and advanced understanding in core areas relevant to information technology (IT) and computer science including networking, programming, database management, operating systems, architecture, artificial intelligence, machine learning and big data.

### CLOUD COMPUTING SKILLS ARE IN-DEMAND ACROSS NEARLY EVERY INDUSTRY.

Aerospace • Communication Services • Education • Engineering •  
Financial Services • Healthcare • Government • Manufacturing • Retail

With your degree from TESU, you can pursue, and succeed in, a variety of IT positions, in all types of industries. Position yourself for a career as a:

- Cloud infrastructure architect
- Cloud engineer
- Cloud application developer
- Computer programming developer
- Web developer
- Systems analyst
- Information security analyst
- Cloud systems administrator
- DevOps architect
- Healthcare IT specialist
- Mobile application developer

## WHY CHOOSE TESU?

As one of the first schools in the country designed specifically for busy, motivated adults, Thomas Edison State University (TESU) is dedicated to providing you with a high-quality education — anytime, anywhere.

- ▶ **Exceptional Value:** Competitive tuition and fees. Plus, financial aid and scholarships are available.
- ▶ **Transfer Credits:** TESU accepts up to 90 transfer credits from a regionally accredited institution.
- ▶ **Monthly Start Dates:** Start your studies when it's convenient for you — a new semester begins each month.
- ▶ **Degree Flexibility:** Engage in your courses whatever time of day works for you. Courses are available 24/7.

## ONLINE. ACCREDITED. RESPECTED

Three words that characterize Thomas Edison State University's (TESU) unique approach to providing quality higher education in today's technology-fueled times.

Dedicated to educating adult learners for five decades, TESU has set the standard in online learning. As the leader in online education and a national leader in the assessment of adult learning, TESU is accredited by the Middle States Commission on Higher Education and has been called "the college that paved the way for flexibility" by *The New York Times*.

Our innovative online and independent study courses and credit-by-exam programs give you the flexibility to pursue your degree when and where it is convenient for you. With more than 100 areas of study, TESU offers associate, bachelor's, master's and doctoral degrees and undergraduate and graduate certificates. One of New Jersey's senior public institutions, TESU's liberal credit transfer policies and tuition models remove barriers for adults pursuing higher education. Our resume-relevant programs provide career-building skills to help you meet your educational and professional goals.

**YOU'RE READY TO STUDY WITH THE LEADER IN ONLINE EDUCATION. EARN YOUR DEGREE ON YOUR SCHEDULE. VISIT [TESU.EDU](http://TESU.EDU) AND APPLY TODAY.**

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## CAREER INSIGHTS

### PURSUE A REWARDING CAREER IN CLOUD COMPUTING.

#### Position & 2021 Median Salary<sup>1</sup>

- ▶ Information Security Analyst **\$102,600**
- ▶ Network Architect **\$102,600**
- ▶ Systems Administrator **\$80,600**
- ▶ Systems Analyst **\$99,270**

#### Cloud Computing and IT will Add Nearly 670,000 New Jobs in the U.S. Alone.<sup>1</sup>

Employment in computer and information technology (IT) occupations is projected to grow 13 percent from 2020 to 2030, faster than average for all occupations, according to the U.S. Bureau of Labor Statistics.

#### A Sudden Increased Demand for Cloud Computing Professionals is Projected<sup>2</sup>

Market research firm Gartner estimated that cloud revenue will surpass non-cloud revenue (in 2022), and the IT industry will see a sudden demand for professionals skilled at cloud computing.

#### Opportunity in Cloud Computing is Growing — Rapidly!<sup>2</sup>

By 2025, 95% of new digital workloads will be deployed on cloud-native platforms, versus 30% in 2021, according to Gartner.

#### Increase Your Income with Your Bachelor Of Science, Cloud Computing Degree from TESU.<sup>3</sup>

According to a recent study [2022], "Students who return to college and finish their bachelor's degrees have immediate increases in annual income after graduation, as well as increases in income growth each year that follows."

#### SOURCES:

1 <https://www.bls.gov/ooh/computer-and-information-technology/home.htm>

2 <https://content.techgig.com/hiring/cloud-computing-jobs-to-grow-aggressively-in-2022-report/articleshow/87712807.cms>

3 <https://www.insidehighered.com/quicktakes/2022/01/10/study-re-enrolling-and-finishing-degrees-boasts-income>