ecpi UNIVERSITY

CLOUD COMPUTING
*BACHELOR'S DEGREE IN COMPUTER AND INFORMATION SCIENCE WITH
A MAJOR IN CYBER AND NETWORK SECURITY - CLOUD COMPUTING*

OVERVIEW

Cloud computing or software services provided across the internet are ushering in a wave of new opportunities to help businesses become more flexible, efficient and agile. By providing infrastructures, platforms and software as a service, cloud computing allows users to access and implement important business and technology tools whenever and wherever they need.

What's more, the Cloud or internet services are creating demand for professionals to manage these vast networks. According to the U.S. Department of Labor, employment of network and computer systems administrators is expected to grow 8% percent from 2014 to 2024, faster than the average for all occupations, and demand for these workers is high and should continue to grow as firms invest in newer, faster technology and mobile networks.*

If you're interested in pursuing a career in the emerging field of Cloud Computing, consider ECPI University. Through ECPI's accelerated schedule, you can earn a Bachelor of Science Degree in Computer and Information Science with a major in Cyber and Network Security and a track in Cloud Computing in just 2.5 years.

* Bureau of Labor Statistics, U.S. Department of Labor, Occupational
  Outlook Handbook, 2016-17 Edition

PROGRAM OUTCOMES

Students in the B.S. in Computer & Information Science program develop planning, design, implementation, and support skills in operating systems, networking, software programs, and security. Students develop additional focused skills based on which major the student pursues. Students also learn principles of excellent customer service in order to assist clients with technical issues.

Upon successful completion of the Bachelor of Science in Computer and Information Science with a major in Cyber and Network Security, graduates are able to:

COMPUTER AND INFORMATION SCIENCE OUTCOMES:
- Use processes, tools, and technologies to support an organization
- Lead and work as a member of a technical team
- Apply written, oral, and graphical communication in both technical and non-technical environments
- Identify and use appropriate technical literature
- Engage in continuous professional development through user groups, associations, conferences, readings, research, and other channels.
- Develop and use ethical best practices in the maintenance and security of information and systems
- Use cloud computing tools

CYBER AND NETWORK SECURITY MAJOR OUTCOMES:
- Plan, design, configure and administer a network and security infrastructure
- Maintain, monitor, and troubleshoot a network and security infrastructure
- Assess and implement technical and non-technical security controls to protect an organization from threats and vulnerabilities

COLLEGE OF TECHNOLOGY

POSSIBLE CAREER TRACK

Upon completion, graduates with a Bachelor of Science Degree in Computer and Information System with a major in Cyber and Network Security and a track in Cloud Computing could pursue career opportunities across a wide range of industries and businesses in positions such as:

- **NETWORK AND DATACENTER ADMINISTRATOR**
- **NETWORK INFRASTRUCTURE SUPPORT**
- **STORAGE TECHNOLOGY MANAGER**
- **VIRTUAL SERVER ADMINISTRATOR**
- **INFORMATION TECHNOLOGY SOLUTION PROVIDERS**
- **NETWORK IMPLEMENTATION TEAM**
- **NETWORK SUPPORT AND HELP DESKS**

*Derived from U.S. Dept. of Labor Bureau of Labor Statistics, Occupational Outlook Handbook, 2012-13 Edition.

CLOUD COMPUTING

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