TU
TIFFIN
UNIVERSITY

COMPUTER SCIENCE WITH A CONCENTRATION IN NETWORK & SYSTEMS ADMINISTRATION

Tiffin University's network and systems administration concentration is designed for students who wish to work with computer science and technology in all facets of an organization with an emphasis on important soft skills, comprehensive technology skills, teamwork and a global workforce. The curriculum includes a computer science core of business, hardware and software, practical experience and a further concentration in software development and/or network architecture. Classes will teach students to analyze computer science with research and apply findings to solve real world problems. The curriculum is designed to highlight important certifications in the field and emphasize the application of computers and technology in the business organization. Career paths for a student can include computer programmers, technology support specialists, system analysts, database administrators, network and systems administrators, software developers, web developers and information system managers.

With the concentration of network and system administration, students will apply knowledge of networking concepts and principles to solving problems related to networked computer systems, as well as demonstrate the ability of Microsoft client and server operating systems to configure, repair, optimize and solve system issues.

Classes will prepare students for several certifications. The need for professional certifications has been identified through various studies and responses with our industry partners. The program encourages students to sit for as many professional certifications as possible, proving that they have demonstrated knowledge up to industry standards. Tiffin University is a Certiport Authorized Testing Center and has the ability to administer any Microsoft Certifications available. These certifications, partnered with a degree in computer science will allow our students to have a competitive advantage when it comes to job placement.

According to the Bureau of Labor Statistics and the latest data available for network administrators in computer systems design and related services, the need is going to increase 20% from the year 2016-2026.

Computer Science Core: 48 hours
- MKT151 Introductory Marketing
- CST155 Introduction to Operating Systems
- ACC210 Financial Accounting
- MGT201 Management of Organizations
- CST201 Introduction to Programming
- LAW211 Business Law I
- ECO222 Principles of Microeconomics
- CST230 Networking Fundamentals
- CDS244 Cyber Security
- CST280 Database I
- CST285 Spreadsheets and Analytics
- FIN301 Business Finance
- CST412 IT Project Management
- CST460 Research in Computer Science
- CST470 Internship
- MGT495 Organizational Strategy

Concentration: Network & Systems Administration: 18 hours
- CST212 Systems Analysis and Design
- CST325 Linux
- CST330 Network Infrastructure I
- CST345 Server Administration
- CST430 Network Infrastructure II
- CST445 Cloud Administration

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