

# Network Administration and Cyber Security - IT Technician Diploma

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West Burlington Campus

## Program Information

The Networking Administration and Cybersecurity program offers hands-on experience with installation, maintenance and administration of PC networks. Students will spend time working on security principles and router, switch and firewall configuration.

The program offers the latest equipment and software, plus experience with Microsoft and Linux operating systems.

Students will leave with the skills and knowledge industry requires.

During the first semester, students will take CompTIA A+ Core 1 Certification test. During the second semester, students will take CompTIA A+ Core 2 certification. Students passing both tests will earn CompTIA A+ certification.

The IT Technician Diploma is awarded after successful completion of the second semester. Students will also take NET-153

Advanced Networking during the second year, which includes the CompTIA Network+ exam. The Network+ certificate is awarded after successful completion of this exam.

\*Diploma can be earned one time.

For specific information regarding program rules and expectations, please view the [Information Technology Programs Handbook](#).

## Instructor and Staff

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## West Burlington Campus, and select courses available at the Keokuk Campus

### Program Requirements

Fall Semester	Credit
NET-277 IT Foundations	2
NET-142 Network Essentials	3
CIS-125 Introduction to Programming Logic with Language	3
NET-442 Linux Operating System	3
ENG-105 Composition I	3
<b>Take 1 of 2 courses:</b>	
MAT-702 Introduction to Math Applications	3
MAT-772 Applied Math (online)	3
Semester Total.....	17
 Spring Semester	 Credit
NET-276 IT Applications	2
CIS-504 Structured Systems Analysis	3
NET-261 Virtualization/Cloud Operations	3
NET-637 Network Intrusion Investigation	3
NET-314 Windows Server	4
<b>Take 1 of 2 courses:</b>	
HUM-287 Leadership Development Studies	3
SOC-114 Conflict Resolution in the Workplace	3
Semester Total.....	18
Program Total.....	35