Network Administration and Cyber Security - AAS

West Burlington Campus

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 second semester, students will take NET-101 IT Fundamentals, where they have the opportunity to earn CompTIA IT Fundamentals 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 CIW Network Technology Associates exam. The CIW NTA 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 I		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
Take 1 of 2 courses:		
MAT-702	Introduction to Math Applications	3
MAT-772	Applied Math (online)	3
Semester Total..		17

Spring Semester I		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
Take 1 of 2 courses:		
HUM-287	Leadership Development Studies	3
SOC-114	Conflict Resolution in the Workplace	3
Semester Total..		18

Fall Semester II		Credit
CFR-100	Introduction to Computer Forensics	3
NET-627	System Security	2
NET-716	Database Administration/Service Application	3
Take course totaling 2 credits:		
WBL-110	Employability Skills	1-3
Take 1 of 2 courses:		
PSY-111	Introduction to Psychology	3
SOC-110	Introduction to Sociology	3
Semester Total..		13

Spring Semester II		Credit
CIS-810	Emerging Technologies Seminar	1
NET-153	Advanced Networking	4
NET-717	Email Applications	3
NET-820	Network Internship	4
SPC-112	Public Speaking	3
Semester Total..		15

| Program Total.. | | 63 |