



SCIENCE, TECHNOLOGY,
ENGINEERING & MATHEMATICS

COMPUTER NETWORKING

A.A.S. DEGREE/CERTIFICATES



ACC
ALVIN COMMUNITY COLLEGE

Fuel Your Passion for Computer Technology

Computer technology is evolving faster than ever before and demand for computer professionals with the right qualifications is at an all-time high. IT professionals are involved with designing, developing, supporting and managing computer software,

hardware and information networks. ACC offers programs providing a wide range of options to help you gain entry into this high paying, in demand career path.

Career Opportunities

The field of computer networking offers some of the most well-paying and sought after careers in today's job market.

The Computer Technology field employs people in many different roles including:

- Computer Network Technician
- Computer Systems Analyst
- Help Desk Technician
- Information Security Analyst
- Information Technology Specialist
- and more!

What Will I Study?

The Computer Networking Degree/Certificate program prepares you for careers in many areas of LAN/WAN administration and design. The program will train you for the Microsoft Certified Systems Administrator (MCSA) and/or Microsoft Certified Systems Engineer (MCSE) certification exams as well as other exams such as CompTIA's Network+, A+, and Security+.

For More Information:

Website: www.alvincollege.edu/computernetworking

Phone: 281.756.3812

Email: computernetworking@alvincollege.edu

Your College  **Right Now**

COMPUTER NETWORKING

Associate of Applied Science – 60 credit hours

FIRST YEAR - FIRST SEMESTER	CREDITS
*ENGL 1301 - Composition 1	3
ITSC 1305 - Introduction to PC Operating Systems	3
ITMT 1358 - Windows Client Operating System	3
ITNW 1325 - Fundamentals of Networking	3
SECOND SEMESTER	
ITMT 1357 - Administering Windows Server OS	3
ITNW 1313 - Computer Virtualization	3
ITSC 1316 - Linux Installation & Configuration	3
*MATH 1332 - Quantitative Reasoning	3
THIRD SEMESTER	
ITNW 1358 - Network+	3
*SPCH 1318 - Interpersonal Communication	3
SECOND YEAR FIRST SEMESTER	
ITNW 1353 - Supporting Network Server Infrastructure	3
ITNW 1354 - Implementing & Support Services	3
ITSY 1342 - Information Technology Security	3
ITSY 2300 - Operating System Security	3
*COMM 1307 - Introduction to Communications	3
SECOND SEMESTER	
*ECON 2301 - Principle of Macroeconomics	3
ITMT 2305 - Designing & Implementing Server Infrastructure	3
ITNW 2321 - Networking with TCP/IP	3
*ITNW 2380 - Cooperative Education Computer Systems Networking & Telecommunications or	
*ITNW 2335 - Network Troubleshooting & Support	3
ITSY 2330 - Intrusion Detection	3
COMPUTER NETWORKING (A.A.S.) DEGREE	60

COMPUTER NETWORKING

Certificate 2 – 45 credit hours

FIRST YEAR - FIRST SEMESTER	CREDITS
ITSC 1305 - Introduction to PC Operating Systems	3
ITMT 1358 - Windows Client Operating System	3
ITNW 1325 - Fundamentals of Networking	3
SECOND SEMESTER	
ITMT 1357 - Administering a Windows Server OS	3
ITNW 1313 - Computer Virtualization	3
ITSC 1316 - Linux Installation & Configuration	3
THIRD SEMESTER	
ITNW 1358 - Networking+	3
SECOND YEAR FIRST SEMESTER	
ITNW 1353 - Supporting Network Server Infrastructure	3
ITNW 1354 - Implementing & Supporting Servers	3
ITSY 1342 - Information Technology Security	3
ITSY 2300 - Operating System Security	3
SECOND SEMESTER	
ITMT 2305 - Designing & Implementing Server Infrastructure	3
ITNW 2321 - Networking with TCP/IP	3
*ITNW 2380 - Cooperative Education-Computer Systems Networking & Telecommunications or	
*ITNW 2335 - Network Troubleshooting & Support	3
ITSY 2330 - Intrusion Detection	3
COMPUTER NETWORKING CERTIFICATE 2	45

*Denotes core requirement. Speak with Department Chair or Academic Advisor for proper course selection.

* Capstone Course

COMPUTER NETWORKING

Certificate 1 – 21 credit hours

FIRST YEAR - FIRST SEMESTER	CREDITS
ITSC 1305 - Introduction to PC Operating Systems	3
ITMT 1358 - Windows Client Operating System	3
ITNW 1325 - Fundamentals of Networking	3
SECOND SEMESTER	
ITMT 1357 - Administering a Windows Server OS	3
ITNW 1313 - Computer Virtualization	3
ITSC 1316 - Linux Installation & Configuration	3
THIRD SEMESTER	
ITNW 1358 - Networking+	3
COMPUTER NETWORKING CERTIFICATE 1	21

*PROGRAM COSTS

Approximate costs for the A.A.S. Degree programs are \$3,996 for in-district students and \$6,756 for those out-of-district. This includes tuition and fees. Additional fees for books and supplies may vary.

**Alvin Community College may change tuition rates and other fees without notice or when directed by the Board of Regents.*

Alvin Community College is an equal opportunity institution.

If you have a disability and need assistance or require special accommodations contact Student Accessibility Services at 281-756-3533 or sas@alvincollege.edu.