

Network Administration, Undergraduate Certificate

Visit the Information Systems and Technology Department page (<https://www.uvu.edu/ist/>) for more information on the program and access to advising.

Program Description

The Undergraduate Certificate in Network Administration provides students with training in server administration, computer architecture, and networking. Students select from a variety of courses in cabling, Windows system administration, router management, information security, computer forensics, and Linux system administration.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		31
Discipline Core Requirements		25 Credits
Complete the following:		
INFO 1120	Information Systems and Technology Fundamentals	3
INFO 1200 or CS 1400	Computer Programming I for IS IT Fundamentals of Programming	3
IT 1510	Introduction to System Administration--Linux/UNIX	3
IT 1600	Computer Architecture and Systems Software	3
INFO 2410	Database Fundamentals	3
IT 2600 or CS 2600	Data Communication Fundamentals Computer Networks I	3
Communication Requirement:		
ENGL 1010 or ENGL 1005	Introduction to Academic Writing Foundations of Academic Writing	3
Computation Requirement		
MAT 1010 or MATH 1050 or MATH 1055	Intermediate Algebra College Algebra College Algebra with Preliminaries	4
Elective Requirements		6 Credits
Complete 6 credits from the following courses:		
IT 2400	Voice and Data Cabling Fundamentals (3)	3
IT 2530	Introduction to System Administration--Windows Client (3)	3
CYBR 2700	Information Security Fundamentals (3)	3
CYBR 2800	Computer Forensic Fundamentals (3)	3
IT 3510	Advanced System Administration--Linux/UNIX (3)	3
IT 3530	Advanced System Administration--Windows Server (3)	3

Graduation Requirements

1. Completion of a minimum of 31 semester credits.
2. Minimum grade of C- required in all courses.
3. Overall grade point average of 2.0 (C) or above.
4. Residency hours -- minimum of 10 credit hours through course attendance at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

Semester 1		Credit Hours
INFO 1120	Information Systems and Technology Fundamentals	3
INFO 1200 or CS 1400	Computer Programming I for IS IT or Fundamentals of Programming	3
IT 1510	Introduction to System Administration--Linux/UNIX	3
MATH 1050	College Algebra	4
ENGL 1010 or ENGL 1005	Introduction to Academic Writing or Foundations of Academic Writing	3
Credit Hours		16
Semester 2		
IT 1600	Computer Architecture and Systems Software	3
INFO 2410	Database Fundamentals	3
IT 2600 or CS 2600	Data Communication Fundamentals or Computer Networks I	3
Elective		3
Elective		3
Credit Hours		15
Total Credit Hours		31

Program Learning Outcomes

1. An ability to apply knowledge of computing and mathematics appropriate to Network Administration.
2. An ability to communicate effectively with a range of audiences, both in written and oral forms.
3. An ability to use current techniques, skills, and tools necessary for Network Administration.

Computer and information systems managers

- Total Positions 613,500
- Field Growth 17.4%
- Median Salary \$169,510
- Average Openings 54.7

Computer systems analysts

- Total Positions 527,200
- Field Growth 10.7%
- Median Salary \$103,800
- Average Openings 37.3

Information security analysts

- Total Positions 180,700
- Field Growth 32.7%
- Median Salary \$120,360
- Average Openings 17.3

Computer and information research scientists

- Total Positions 36,600
- Field Growth 25.6%
- Median Salary \$145,080
- Average Openings 3.4

Computer network architects

- Total Positions 177,800
- Field Growth 13.4%
- Median Salary \$129,840
- Average Openings 12.3

Database architects

- Total Positions 61,400
- Field Growth 10.8%
- Median Salary \$134,700
- Average Openings 4.2

Software developers

- Total Positions 1,692,100
- Field Growth 17.9%
- Median Salary \$132,270
- Average Openings 125.1

Software quality assurance analysts and testers

- Total Positions 205,000
- Field Growth 11.8%
- Median Salary \$101,800
- Average Openings 15.0

Data scientists

- Total Positions 202,900
- Field Growth 36.0%
- Median Salary \$108,020
- Average Openings 20.8