



# LAKES REGION COMMUNITY COLLEGE

## NETWORK ADMINISTRATOR

### Why Computer Technologies?

Computers have become an essential part of life, used in every industry and in most homes. A dynamic and rapidly growing area, the computer industry offers enormous growth and job potential. These jobs are consistently among the top 10 fastest growing occupations. An AS in Computer Technologies from Lakes Region Community College will prepare students for entry-level jobs upon graduation, or transfer to a four-year college. Students will be exposed to a variety of technologies including programming, networking, security, web design and databases. They then will select one of three tracks to continue studying: Network Administrator, Application Developer/Gaming and Animation, Database Administrator/Web Developer. Many of the classes also provide students with the knowledge and skills to pass a variety of professional certification exams. Students should declare their focus by the second semester to ensure completion of curriculum requirements. In addition, a Technologies for Education Certificate is available for educators who either wish to update their technology skills or become certified to teach computer classes at the middle and high school levels.

### Potential Jobs/Careers:

- Network Administrator
- Computer Network Architect
- Software Developer
- Computer & Information Systems Manager
- Computer Systems Analyst

### Potential Salary:

There is a wide range of jobs in the computer industry. See below for the average annual salary range in NH for a network administrator.

- Entry Level \$64,563
- Mid-Range \$89,794
- Experienced \$102,398

*\*New Hampshire Occupational Employment & Wages 2019, published by the NH Economic and Labor Market Information Bureau – Salaries are based on 40 hours of work, not including overtime.*

### Estimated Program Cost:

- Year 1: \$6,880
  - Year 2: \$6,450
- for a total of \$13,330

*\*Costs are based on in-state tuition and do not include fees, supplies, or books. Additional fees may apply; all prices are subject to change.*

### Did you know?



Computer Technology students have access to software and development tools at no cost. In addition, many of the courses are course preparations for Professional Certification for companies such as Microsoft, CompTIA, Apple and Oracle.

## Degree & Certificate Requirements

### DEGREE Requirements

FIRST YEAR Fall Semester		Credits
CIS132L	Software Applications	4
CIS136L	Introduction to Computers	3
CIS140L	Introduction to Programming	3
ENGL100L	English Composition	4
MATH211L	College Algebra	4
ESNT120L	College Essentials	1
<b>TOTAL</b>		<b>19</b>

FIRST YEAR Spring Semester		Credits
CIS227L	IT Developmental Applications	3
CIS248L	Introduction to Networks	3
CIS261L	Installing and Configuring Windows Servers	3
CIS262L	Introduction to Linux	3
ELECTIVE	Mathematics Elective (200 Level)	4
<b>TOTAL</b>		<b>16</b>

**Total Credits for Year = 35**

SECOND YEAR Fall Semester		Credits
CIS253L	Mac OS & Networking	3
CIS267L	Administering Windows Servers	3
CIS282L	Routing & Switching Essentials	3
ELECTIVE	Science Elective	3
ELECTIVE	Social Science Elective	3
<b>TOTAL</b>		<b>15</b>

SECOND YEAR Spring Semester		Credits
CIS249L	Network Security	3
CIS284L	Connecting Networks	3
CIS280L	Capstone Project	3
ELECTIVE	Humanities/Fine Arts/Foreign Language Elective	3
<b>TOTAL</b>		<b>12</b>

**Total Credits for Year = 27**  
**Total for A.S. Degree = 62**

The Computer Technologies/Network Administrator track is designed for individuals wishing to work in the network or help desk fields. The courses cover a variety of topics in networking including routers, Microsoft Server Installation and Administration, Linux operating systems and security.

### Certificate Requirements

Network Administrator Certificate		Credits
ESNT120L	College Essentials	1
CIS136L	Introduction to Computers	3
CIS227L	IT Developmental Applications	3
CIS248L	Introduction to Networks	3
CIS282L	Routing & Switching Essentials	3
CIS283L	Scaling Networks	3
CIS284L	Connecting Networks	3
CIS261L	Configuring Windows Servers	3
CIS267L	Administering Windows Servers	3
CIS268L	Advanced Windows Server Configuration	3
ELECTIVE	Computer Technology Elective	3
<b>TOTAL</b>		<b>31</b>