## Networking Specialist

### Degree Program NS13

#### Curriculum

**General Education Core – Total of 15 Hours**

**Area I – Language Arts/Communications – Choose 3 Hours**
- ENGL 1101 Composition & Rhetoric (3)

**Area II – Social/Behavioral Sciences – Choose 3 Hours**
- ECON 1101 Principles of Economics (3)
- ECON 2105 Macroeconomics (3)
- ECON 2106 Microeconomics (3)
- HIST 1111 World History I (3)
- HIST 1112 World History II (3)
- HIST 2111 U.S. History I (3)
- HIST 2112 U.S. History II (3)
- POLS 1101 American Government (3)
- POLS 2401 Global Issues (3)
- PSYC 1101 Introductory Psychology (3)
- SOCI 1101 Introduction to Sociology (3)

**Area III – Natural Sciences/Mathematics – Choose 3 Hours**
- MATH 1101 Mathematical Modeling (3)
- MATH 1103 Quantitative Skills/Reasoning (3)
- MATH 1111 College Algebra (3)

**Area IV – Humanities/Fine Arts – Choose 3 Hours**
- ARTS 1101 Art Appreciation (3)
- ENGL 2110 World Literature (3)
- ENGL 2130 American Literature (3)
- HUMN 1101 Intro to Humanities (3)
- PSYC 1101 Intro to Psychology (3)

**General Education Core Elective – Choose 3 Hours**
- MATH 1101 Math Modeling (3)

**Program-Specific Core – Total of 21 Hours**
- CIST 1401 Comp Networking Fundamentals (4)
- CIST 1600 Security Policies & Procedures (3)
- CIST 2601 Implementing Op System Security (4)
- CIST 2602 Network Security (4)
- CIST 2611 Network Defense (4)
- CIST 2612 Computer Forensics (4)

**CIST Electives – Choose 14 Hours**
- CIST 1305 Program Design & Development (3)
- CIST 1401 Comp Networking Fundamentals (4)
- CIST 1601 Info Security Fundamentals (3)
- CIST 1602 Security Policies & Procedures (3)
- CIST 1603 Structured Query Language (SQL) (4)
- CIST 2351 PHP Programming I (4)
- CIST 2411 Microsoft Client (4)
- CIST 2412 MS Server Directory Services (4)
- CIST 2413 MS Server Infrastructure (4)
- CIST 2414 MS Server Administrator (4)
- CIST 2431 UNIX/LINUX Introduction (4)
- CIST 2432 UNIX/LINUX Server (4)
- CIST 2433 UNIX/LINUX Advanced Server (4)
- CIST 2434 UNIX/LINUX Scripting (4)
- CIST 2441 Network Home/Small Business (4)
- CIST 2451 Cisco Introduction to Networks (4)
- CIST 2452 Routing/Switching Essentials (4)
- CIST 2453 Cisco Scaling Networks (4)
- CIST 2454 Connecting Networks (4)
- CIST 2471 Implementing IP Routing (4)
- CIST 2472 Implementing IP Switching (4)
- CIST 2473 Maintaining/Troubleshooting IP Net (4)
- CIST 2601 Implementing Op System Security (4)
- CIST 2602 Network Security (4)
- CIST 2611 Network Defense (4)
- CIST 2612 Computer Forensics (4)

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website: [http://www.laniertech.edu/GE.aspx](http://www.laniertech.edu/GE.aspx)
Networking Specialist
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Curriculum (continued)

Choose a Specialization – Total of 16 Hours

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<thead>
<tr>
<th>LINUX/UNIX Specialization</th>
<th>CISCO Exploration Specialization</th>
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<tbody>
<tr>
<td>CIST 2431 UNIX/LINUX Introduction (4)</td>
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<td>CIST 2414 MS Server Administrator (4) - OR -</td>
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<td>CIST 2222 Admin Microsoft SQL Server (4)</td>
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Total: 66 Hours

Program Description
The Networking Specialist degree program is a sequence of courses designed to provide students with an understanding of the concepts, principles, and techniques required in computer information processing. Graduates are to be competent in the general areas of humanities or fine arts, social or behavioral sciences, and natural sciences or mathematics, as well as in the technical areas of computer terminology and concepts, program design and development, and computer networking. Program graduates are qualified for employment as Networking Specialists.

Program Specific Information
Students are accepted every semester based on course and space availability.

Industry Certification Preparation:
CompTIA A+, Network+, Security+
CompTIA Linux+
Microsoft MCSA, MCSE
Cisco CCENT, CCNA

Program Length & Availability
5 Semesters
Campus Availability: Oakwood, Forsyth

Admissions Requirements
• Must be 16 years of age.
• High school diploma or GED is required prior to admission.
(Official transcripts or GED scores must be submitted from all colleges and/or high schools attended for credit.)
• ACCUPLACER Testing, or submit SAT, ACT, CPE, COMPASS, or ASSET test scores.

Financial Aid
This program is eligible for the Pell Grant and may be eligible for Institutional and State Financial Aid.
Contact a Financial Aid Counselor for eligibility requirements and application materials.

For more information about our graduation rates, the median debt of students who complete programs, and other important information please visit our website: http://www.laniertech.edu/GE.aspx.