



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
 NTC Program: IT - NETWORK SPECIALIST UNIFIED COMM
 Lakeland University Program: Computer Science
 Minimum GPA for admission: 2.0
 Initial effective date: 2018-19

General Education Courses

| NTC | | | Lakeland | | |
|--------------------------|--|-----------|---------------------|---|-----------|
| Course No. | Course Title | Credits | Course No. | Course Title/Field | Credits |
| 10-801-196 10-801-198 | Oral/Interpersonal Communications <u>OR</u> Speech | 3 | COM 111 | Fundamentals of Public Speaking | 3 |
| 10-801-195 10-801-136 | Written Communication <u>OR</u> English Composition 1 | 3 | GEN 110 | Composition I | 3 |
| 10-809-103 | Think Critically & Creatively | 3 | GEN 130 | Core I: Foundations of Critical Thinking | 3 |
| 10-801-197 | Technical Reporting | 3 | WRT 335 | Technical Writing | 3 |
| 10-809-199 10-809-198 | Psychology of Human Relations <u>OR</u> Intro to Psychology | 3 | PSY ELEC PSY 200 | Psychology Elective General Psychology | 3 |
| 10-804-133 | Math & Logic | 3 | | An elective course | 3 |
| | Total general education credits earned: | 18 | | Total credits accepted: | 18 |

Occupational Courses

| Course No. | Course Title | Credits | Course No. | Course Title/Field | Credits |
|------------|--|-----------|------------|---|-----------|
| 10-150-185 | Cisco 1 - Network Communications 1 | 3 | CPS 325 | Networking & Telecommunications | 3 |
| 10-150-114 | Principles of Information Security | 2 | | An Elective course | |
| 10-150-186 | Cisco 2 - Network Communications 2 | 3 | | An Elective course | |
| 10-150-121 | Network Administration 1 | 3 | CPS 420# | Operating Systems | 3 |
| 10-150-176 | Command-Line Shells & Shell Scripting | 3 | | An Elective course | |
| 10-150-122 | Network Administration 2 | 3 | CPS 420# | Operating Systems | 3 |
| 10-150-187 | Cisco 3 - Network Communications 3 | 3 | | An Elective course | |
| 10-150-181 | Enterprise Virtual Servers | 3 | | An Elective course | |
| 10-150-124 | Network Security | 3 | CPS 280 | Special Topics in Computer Science | 3 |
| 10-150-182 | Network Troubleshooting | 3 | | An Elective course | |
| 10-150-188 | Cisco 4 - Network Communications 4 | 3 | | An Elective course | |
| 10-150-500 | Fundamentals of IT Systems | 3 | | An Elective course | |
| 10-150-501 | Unified Communications | 3 | | An Elective course | |
| 10-150-502 | Network Operations Management | 3 | | An Elective course | |
| 10-152-398 | IT Career Skills <u>OR</u> | 1 | | An Elective course | |
| 10-152-399 | IT Internship | | | An Elective course | |
| | Total occupational course credits earned: | 42 | | Total credits accepted at Lakeland University: | 60 |

Both courses needed to fulfill requirement

| Courses needed to complete degree at Lakeland University: | | |
|--|---|-----------|
| GEN 112 | Composition II: Argumentation and Research | 3 |
| GEN 3XX | Core II: Exploring the Human Condition | 3 |
| GEN 4XX | Core III: Shaping the Future (Writing Intensive) | 3 |
| Complete one area of emphasis | | |
| CPS 200 | Programming I | 3 |
| CPS 210 | Database Basics | 3 |
| CPS 212 | Programming II | 3 |
| CPS 362 | Introduction to Data Structures | 3 |
| CPS 442 | Data Management, Warehousing & Mining | 3 |
| CPS 445 | Systems Analysis & Design (Writing Intensive) | 3 |
| MAT 250 | Discrete Mathematics | 3 |
| Computer Science Emphasis: 15 semester hours from the following: | | 15 |
| CPS 221 | COBOL Programming | |
| CPS 250 | Cybersecurity I | |
| CPS 313 | Advanced Programming | |
| CPS 314 | Programming Languages | |
| CPS 315 | Object-Oriented Programming I | |
| CPS 316 | Object-Oriented Programming II | |
| CPS 323 | Computer Architecture | |
| CPS 400 | Internship in Computer Science | |
| CPS 425 | Artificial Intelligence | |
| CPS 435 | Mobile Application Development | |
| CPS 450 | Cybersecurity II | |
| CPS 452 | Information Technology Project Management | |
| CPS 455 | Predictive Analysis | |
| CPS 480 | Special Topics in Computer Science | |
| CPS 490 | Independent Study in Computer Science | |
| Up to four semester hours from the following non-CPS designated courses | | |
| BUS 301 | Management Information Systems | |
| MAT 370 | Numerical Analysis | |
| | A foreign language course | |
| | Additional general electives needed for degree completion | 15 |
| Information Systems Emphasis: 15 total | | 15 |
| BUS 301 | Management Information Systems | |
| CPS 314 | Programming Languages | |
| OR CPS 221 | OR COBOL Programming | |
| CPS 315 | Object-Oriented Programming I | |
| CPS 452 | Information Technology Project Management | |
| CPS 455 | Predictive Analysis | |
| | Additional general electives needed for degree completion | 15 |
| Software Design Emphasis: 15 total | | 15 |
| CPS 313 | Advanced Programming | |
| OR CPS 221 | OR COBOL Programming | |
| CPS 314 | Programming Languages | |
| CPS 315 | Object-Oriented Programming I | |
| CPS 316 | Object-Oriented Programming II | |
| CPS 435 | Mobile Application Development | |
| | Additional general electives needed for degree completion | 15 |
| Total credits needed to complete degree any emphasis: | | 60 |