



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**

**NTC Program: IT-COMPUTER SUPPORT SPECIALIST**

**Lakeland University Program: Computer Science**

**Minimum GPA for admission:**

**Initial effective date:**

**General Education Courses**

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

**Occupational Courses**

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-103-241	Powerpoint 2016 Level 1	1		An Elective course	1
10-103-242	Excel 2016 Level 1	1		An Elective course	1
10-103-243	Word 2016 Level 1	1		An Elective course	1
10-103-246	Word 2016 Level 2	1		An Elective course	1
10-103-247	Excel 2016 Level 2	1		An Elective course	1
10-103-248	Powerpoint 2016 Level 2	1		An Elective course	1
10-150-114	Principles of Information Security	2		An Elective course	2
10-154-100	Computer Hardware Fundamentals 1	3		An Elective course	3
10-154-104	Introduction to Computer Support	3	CPS 280	Special Topics in Computer Science	3
10-150-185	Cisco 1 - Network Communications 1	3	CPS 325	Networking & Telecommunications	3
10-152-331	Data Concepts	3	CPS 210	Database Basics	3
10-152-102	Computer Hardware Fundamentals 2	3		An Elective course	3
10-150-121	Network Administration 1	3		An Elective course	3
10-103-245	Office 2016 Level 3	3		An Elective course	3
10-154-111	Service Skills	3		An Elective course	3
10-152-398	IT Career Skills <u>OR</u>	1		An Elective course	1

10-152-399	IT Internship			An Elective course	
10-154-165	Supporting Emerging Technologies	3		An Elective course	3
10-154-155	A+ Exam Preparation	1		An Elective course	1
10-154-151	Troubleshooting	2		An Elective course	2
10-152-371	Collaborative Computing	3	CPS280	Special Topics in Computer Science	3
<b>Total occupational course credits earned:</b>		<b>42</b>			
<b>Total credits required for graduation:</b>		<b>60</b>		<b>Total occupational course credits accepted:</b>	<b>42</b>
<b>Total transferable credits:</b>		<b>60</b>			
				<b>Total credits accepted at Lakeland University:</b>	<b>60</b>

**Courses needed to complete degree at Lakeland University:**

Course No.	Course Title	Credits
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
<b>Complete one area of emphasis</b>		
<b>Computer Science Emphasis: 15 semester hours from the following:</b>		15
CPS 200	Programming I	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
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	

	<b>Up to four semester hours from the following non-CPS designated courses</b>	
BUS 301	Management Information Systems	
MAT 370	Numerical Analysis	
	A foreign language course	
	Additional general electives needed for degree completion	18
	<b>Information Systems Emphasis: 15 total</b>	<b>15</b>
BUS 301	Management Information Systems	
CPS 314	Programming Languages	
<b>OR CPS 221</b>	<b>OR COBOL Programming</b>	
CPS 315	Object-Oriented Programming I	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
	Additional general electives needed for degree completion	18
	<b>Software Design Emphasis: 15 total</b>	<b>15</b>
CPS 313	Advanced Programming	
<b>OR CPS 221</b>	<b>OR COBOL Programming</b>	
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	18
	<b>Total credits needed to complete degree any emphasis:</b>	<b>60</b>

Disclaimer: Students planning to transfer should contact NTC's Transfer Specialist and transfer personnel at Lakeland University for the most current transfer information.

**Updated on: 12/7/18**