



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**

**CVTC Program: IT-Network Specialist**

**Lakeland College Program: Computer Science, Computer Science Emphasis**

**Minimum GPA for admission: 2.0**

**Initial effective date:**



**General Education Courses**

CVTC			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-809-166	Intro to Ethics: Theory & Appl	3	PHI 232	Ethics / A Philosophy and Religion course	3
10-801-195	Written Communication --OR--	3	GEN 110	English Composition I	3
10-801-219	English Composition I	3	COM 111	Introduction to Public Speaking	3
10-801-196	Oral/Interpersonal Comm	3	PSY 200	General Psychology / A Social Sciences course	3
10-809-198	Intro to Psychology --OR--	3	ECN 220	Principles of Macroeconomics / A Social Sciences course	3
10-809-251	General Psychoogy	3	SOC 100	Introduction to Sociology / A Social Sciences course	3
10-809-195	Economics	3	MAT 250	Discrete Mathematics/ A Mathematics course	3
10-809-196	Intro to Sociology --OR--	3			
10-809-271	Introductory Sociology	3			
10-804-133	Math & Logic	3			
<b>Total general education credits earned:</b>		<b>21</b>	<b>Total general education credits accepted:</b>		<b>21</b>
Total transferable general education credits:		21			

**Occupational Courses**

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-150-120	Network Diagramming	1		An elective course	1
10-150-123	IT Networking Concepts	3		An elective course	3
10-150-134	Network Infrastructure Cnspts	2		An elective course	2
10-150-150	CCNA 1: Intro to Networks	3	CPS 325	Networking & Telecommunications	3
10-150-143	Computer Hardware	4		An elective course	4
10-150-151	CCNA 2: Routing & Switch Essen	3		An elective course	3
10-150-160	Network Directory Services	3		An elective course	3
10-150-165	Microsoft Windows Network Adm	3		An elective course	3
10-150-175	Unix System Administration	3		An elective course	3
10-150-153	CCNA 3: Scaling Networks	2		An elective course	2
10-150-170	Computer Maintenance & Support	3		An elective course	3
10-150-180	Adv Network Oper Systems I	3	CPS 420	Operating Systems	3
10-150-183	Wireless Networking	2		An elective course	2
10-150-155	IT Management Concepts --OR--	2		An elective course	2
10-150-182	Network Specialist Internship	3		An elective course	3
10-150-121	Network Design, Instll & Tblsh	2		An elective course	2
10-150-154	CCNA 4: Connecting Networks	3		An elective course	3
10-150-181	Adv Network Oper Systems 2	2		An elective course	2
10-150-184	Network Security	2		An elective course	2
<b>Total occupational course credits earned:</b>		<b>47</b>	<b>Total occupational course credits accepted:</b>		<b>47</b>
<b>Elective credits allowed:</b>		<b>0</b>	<b>Elective credits allowed:</b>		<b>0</b>
<b>Total credits required for graduation:</b>		<b>68</b>			
Total transferable credits:		68	Total credits accepted at Lakeland College:		68

**NOTE: Transfer credits noted assume completed Associate's Degree.**

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

Course No.	Course Title	Credits	
GEN 112	Persuasive Writing	3	
Complete a minimum of 3 credits from 4 of the following 5 categories (12 credits)			
	Art, Music and Theatre		
	History and Political Science		
	Literature and Writing		
	Natural Sciences		
	World Languages		
GEN 3XX	Core II: Exploring the Human Condition	3	
GEN 4XX	Core III: Shaping the Future	3	
<b>Core</b>	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 and Mining	3
	CPS 445	Systems Analysis and Design (WI)	3
<b>Emph</b>	<i>At least 18 semester hours from the following:</i>		18
	CPS 221	COBOL Programming	
	CPS 250	Information Security and Forensics I	
	CPS 280	Special Topics in Computer Science	
	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 425	Artificial Intelligence	
	CPS 435	Mobile Application Development	
	CPS 450	Information Security and Forensics II	
	CPS 452	Information Technology Project Management	
	CPS 455	Predictive Analytics	
	CPS 480	Special Topics in Computer Science	
<i>Up to four (4) semester hours from the following non-CPS courses:</i>			
	BUS 310	Management Information Systems	
	MAT 370	Numerical Analysis	
		A foreign language	
<b>Total credits needed at Lakeland College to complete degree:</b>		<b>57</b>	