LAKELAND UNIVERSITY

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

MSTC Program: IT Network Specialist 1920

Lakeland University Program: Computer Science

Minimum GPA for admission: 2.0

Review Date: 2019-2020

General Education Courses

MSTC			Lakeland		
Course No.	**Course Title**	**Credits**	**Course No.**	**Course Title/Field**	**Credits**
10801136	English Composition I	3	GEN 110	Composition I: Academic Writing	3
10801196 10801198	Oral/Interpersonal Communication - OR - Speech	3	COM 111	Fundamentals of Public Speaking	3
10804107 10804118 10804189	College Mathematics - OR - Intermediate Algebra with Applications - OR - Introductory Statistics	3 to 4	MAT 130 MAT 130 MAT 220	Intermediate Algebra Intermediate Algebra Probability & Statistics	3 to 4
10809103	Think Critically & Creatively	3	GEN 130	Core I: Foundations of Critical Thinking	3
10809195	Economics		ECN 235	Principles of Macroeconomics	3
10809166	Intro to Ethics: Theory & Application	3	PHI 232	Ethics	
10809188 10809198	Developmental Psychology - OR - Intro to Psychology	3	PSY 330 PSY 200	Human Growth and Development General Psychology	3
	Total general education credits earned:	**18 to 19**		**Total general education credits accepted:**	**18 to 19**

Course No.	**Course Title**	**Credits**	**Course No.**	**Course Title**	**Credits**
10154102	Hardware Essentials	3		An elective course	3
10152101	Intro to Programming	3	CPS 200	Programming I	3
10150110	Networking I	3	CPS 325	Networking & Telecommunications	3
10151105	Linus	3	CPS420*	Operating Systems	4
10102213	Requirements Analysis	3	CPS 445	Systems Analysis & Design	3
10151110	Information Security I	3		An elective course	3
10150111	Networking II	3		An elective course	3
10150120	Server Administration - Beginning	3	CPS 420*	Operating Systems	3
10150165	Network Server Scripting	3		An elective course	3
10150121	Server Administration - Intermediate	3		An elective course	3
10150130	Virtualization	3		An elective course	2
10154132	Help Desk Fundamentals	3	CPS 280	Special Topics in Computer Science	3
10150161	Advanced Networking Projects	3			
10150141 10801199 10102130	Supervised Field Experience OR - Employment Strategies -OR - Career Development	2 3 3		An elective course An elective course An elective course	2 to 3
10150113	Networking IV	3			
	Total transferable credits:	**50**		**Total transferable credits:**	**68 to 69**

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

Courses needed to complete degree at Lakeland University:

Course No.	**Course Title**	**Credits**
GEN 112	Composition II: Argumentation & Research	3
GEN 3XX	Core II: Exploring Human Condition	3

*Both courses needed to fulfill requirement

Code	Course	Hours
GEN 4XX	Core III: Shaping the Future	3
CPS 210	Database Basics	3
CPS 212	Programming II	3
CPS 362	Introduction to Data Structures	3
CPS 442	Data Management & Warehousing	3
MAT 250	Discrete Mathematics	3
Complete at least one emphasis		
	Computer Science Emphasis	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 318	Computational Modeling and Visualization	
CPS 323	Computer Architecture	
CPS 400	Internship in Computer Science	
CPS 425	Artificial Intelligence	
CPS 426	Game Design and Development	
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	
CPS 400	Internship in Computer Science	
	Up to four (4) semester hours from the following non-CPS designated courses:	
MAT 370	Numerical Analysis	
	A foreign language course	
	Information Systems Emphasis	15
CPS 314 **OR**	Programming Languages **OR**	
CPS 221	COBOL Programming	
CPS 315	Object-Oriented Programming I	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
	At least three (3) semester hours from the Computer Science Emphasis, not including courses required for the Information Systems Emphasis.	
	Software Design Emphasis	15
CPS 313 **OR**	Advanced Programming **OR**	
CPS 221	COBOL Programming	
CPS 314	Programming Languages	
CPS 315	Object-Oriented Programming I	
CPS 316	Object-Oriented Programming II	

CPS 435	Mobile Application Development	
	General Electives (regardless of emphasis selected)	12 to 13
Total credits needed at Lakeland University to complete degree:		**51 to 52**