



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**

**MSTC Program: IT Security Specialist 1920**

**Lakeland University Program: Computer Science**

**Minimum GPA for admission: 2.0**

**Review Date:**

**General Education Courses**

MSTC			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10801136 10801195	English Composition I - OR - Written Communication	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	College Mathematics - OR - Intermediate Algebra with Applications	3 to 4	MAT 130 MAT 130	Intermediate Algebra Intermediate Algebra	3 to 4
10809103	Think Critically & Creatively	3	GEN 130	Core I: Foundations of Critical Thinking	3
10809166	Intro to Ethics: Theory & Application	3	PHI 232	Ethics	3
10809188 10809198	Developmental Psychology - OR - Intro to Psychology	3	PSY 330 PSY 200	Human Growth and Development General Psychology / A Social Sciences course	3
<b>Total general education credits earned:</b>		<b>18 to 19</b>	<b>Total general education credits accepted:</b>		<b>18 to 19</b>

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10154102	Hardware Essentials	3		An elective course	3
10150110	Networking I	3	CPS 325	Networking & Telecommunications	3
10152101	Intro to Programming	3	CPS 200	Programming I	3
10151105	Linux	3	CPS 420*	Operating Systems	4
10150111	Networking II	3		An elective course	3
10150165	Network Server Scripting	3		An elective course	3
10150120	Server Administration - Beginning	3	CPS 420*	Operating Systems	3
10151110	Information Security 1	3	CPS 250^	Cybersecurity I	3
10102213	Requirements Analysis	3	CPS 445	Systems Analysis & Design	3
10150112	Networking III	3		An elective course	3
10151111	Information Security 2	3	CPS 250^	Cybersecurity I	3
10151141	IT- Security Internship	3	CPS 400	Internship in Computer Science	3
10151112	Ethical Hacking	3	CPS 280	Special Topics in Computer Science	3
10151161	IT Security Capstone	3		An elective course	3
<b>Total transferable credits:</b>		<b>42</b>	<b>Total transferable credits:</b>		<b>60 to 61</b>

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

\* Both courses are needed to fulfill requirement

^Both courses are needed to fulfill requirement

**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
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
<b>Complete at least one emphasis</b>		
	<b>Computer Science Emphasis</b>	9
CPS 221	COBOL Programming	
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 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	
	<b>Up to four (4) semester hours from the following non-CPS designated courses:</b>	
MAT 370	Numerical Analysis	
	A foreign language course	
	<b>Information Systems Emphasis</b>	15
CPS 314 <b>OR</b>	Programming Languages <b>OR</b>	
CPS 221	COBOL Programming	
CPS 315	Object-Oriented Programming I	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
	<b>Software Design Emphasis</b>	15
CPS 313 <b>OR</b>	Advanced Programming <b>OR</b>	
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	
	<b>General Electives (regardless of emphasis selected)</b>	26 to 27
<b>Total credits needed at Lakeland University to complete degree:</b>		<b>59 to 60</b>