



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

Program: IT - Cybersecurity Specialist

Lakeland University Program: Computer Science - any emphasis 2021

Minimum GPA for admission: 2.0

Review Date: 11/02/2020

General Education Courses

Technical College			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-195	Written Communication	3	GEN 110	Composition I: Academic Writing	3
10-809-199	Psychology Of Human Relations	3	PSY ELEC	Psychology Elective	3
10-801-196	Oral/Interpersonal Communication	3	COM 111	Fundamentals of Public Speaking	3
10-804-144	Math of Finance	3		An elective course	3
10-809-197	Contemporary American Society	3	SOC ELEC	Sociology Elective	3
Total general education credits earned:		15	Total general education credits accepted:		15

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-107-111	Exploration of Information Technology	1		An elective course	1
10-150-121	Intro to Cisco Networking	3	CPS 325	Networking and Telecommunications	3
10-151-102	IT Security Awareness	1		An elective course	1
10-154-184	Enterprise Client	3		An elective course	3
10-154-190	Linux Server 1	3	CPS 420^	Operating Systems	3
10-150-194	Firewall/VPN Technologies	3		An elective course	3
10-151-114	Linux Server 2 (Security)	3		An elective course	3
10-152-109	Python Programming	3	CPS 200	Programming I	3
10-154-171	Windows Server 1	3	CPS 420^	Operating Systems	3
10-107-175	Preparation for an IT Career	1	EXP 100	Professional Protocol	1
10-151-137	Intrusion Detection	3	CPS 250*	Cybersecurity I	3
10-151-142	Web Application Security	3		An elective course	3
10-151-168	Security Design	3	CPS 280	Special Topic in Computer Science	3
10-157-101	Introduction to Cloud Computing	3	CPS 280	Special Topic in Computer Science	3
10-150-190	Wireless Topics	3		An elective course	3
10-151-133	Computer Forensics	3	CPS 250*	Cybersecurity I	3
10-151-164	Penetration Testing	3		An elective course	3
10-151-197	Cybersecurity Internship	3	CPS 400	Computer Science Internship	3
Total of Occupational/Elective		48	Total of Occupational/Elective		48
Total transferable credits:		63	Total transferable credits:		63

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

^both courses needed to fulfill requirement

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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 the 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

CPS 445	Systems Analysis & Design (Writing Intensive)	3
MAT 250	Discrete Mathematics	3
Complete one area of emphasis:		
Computer Science Emphasis:		6
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 & 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	
Four semester hours from non-CPS designated courses		
MAT 370	Numerical Analysis	
	A foreign language course	
Elective credits needed to reach 120 minimum:		24
Information Systems Emphasis:		12
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	
Elective credits needed to reach 120 minimum:		18
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	
Elective credits needed to reach 120 minimum:		15
Total credits needed to complete degree:		57