TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
Gateway Program: Information Technology - Network Specialist Academic Year 2122
Lakeland University Program: Computer Science wih a Computer Science emphasis Academic Year 2021-2022
Minimum GPA for admission: 2.0
Review Date: 9/2021

General Education Courses

	Technical College			Lakeland	
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
801-136	English Composition 1	3	GEN 110	Composition I: Academic Writing	3
804-135	Quantitative Reasoning	3	MAT 120	Quantitative Reasoning	3
809-196	Introduction to Sociology	3	SOC 100	Introduction to Sociology	3
801-197	Technical Reporting	3	WRT 335	Technical Writing	3
809-198	Introduction to Psychology	3	PSY 200	General Psychology	3
890-155	Gateway to Success	1	GEN 103	College Success Seminar	1
	Total general education credits earned:	16		Total general education credits accepted:	16

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
107-011	IT in Business	3		An elective course	3
107-013	IT Job Search Skills	1	EXP 100	Professional Protocol	1
107-193	IT Essentials	3	CPS 100	Introduction to Computers	3
150-114	Network Concepts CCNA	3	CPS 325	Networking & Telecommunications	3
150-119	Network Admin MS I 2019	3		An elective course	3
150-120	Network Admin MS 2 2019	3		An elective course	3
150-124	Routing CCNA	3		An elective course	3
150-136	Server Technologies	3		An elective course	3
150-145	IT Scripting	3		An elective course	3
150-150	Red Hat Enterprise Linux 1	3	*CPS420	Operating Systems	3
150-151	Red Hat Enterprise Linux 2	3	*CPS420	Operating Systems	3
150-181	Cloud Technologies	4		An elective course	4
150-182	IoT: Connecting Devices	3		An elective course	3
150-183	VCP Virtualization	3		An elective course	3
150-194	Network Security	3	CPS 280	Special Topics in Computer Science	3
	Total of Occupational/Elective	44		Total of Occupational/Elective	44
	Total transferable credits:	60		Total transferable credits:	60

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

*Both courses must be completed 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 the Human Condition	3
GEN 4XX	CORE III: Shaping the Future	3
CPS 200	Programming I	3
CPS 212	Programming II	3
CPS 362	Introduction to Data Structures	3
DAT 210	Database Basics	3
DAT 442	Data Management & Warehousing	3
DAT 445	Systems Analysis & Design (Writing Intensive)	3
MAT 250	Discrete Mathematics	3
	Computer Science Emphasis *chose 5 from list below*	15
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 323	Computer Architecture	
CPS 400	Internship in Computer Science	
CPS 421	Human-Computer Interaction Lab I^	
CPS 422	Human-Computer Interaction Lab II^	
CPS 425	Artificial Intelligence	
CPS 426	Game Design & Development	
CPS 435	Mobile Application Development	
CPS 480	Special Topics in Computer Science	
CPS 490	Independent Study in Computer Science	
CYS 250	Foundations of Cybersecurity	
CYS 450	Ethical Hacking & Penetration Testing	
CYS 451	Digital Forensics	
DAT 301	Introduction to Data Visualization Techniques	
DAT 318	Computational Modeling and Visualization	
DAT 401	Operations Research	
DAT 402	Adv. Modeling Techniques & Visualization (WI)	
DAT 452	Information Technology Project Management	
DAT 455	Predictive Analytics	
	Up to four semester hours from the following non-CPS designated courses	
MAT 370	Numerical Analysis	
	A foreign language course	
Electives needed to reach the 120 credit minimum:		15
Total credits needed to complete Lakeland University degree:		60

^ Courses only offered on the main campus