



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
 Gateway Program: Information Technology - Computer Support Specialist Academic Year 2122
 Lakeland University Program: Computer Science with Computer Science emphasis Academic Year 2021-2022
 Minimum GPA for admission: 2.0
 Review Date: 11/2021

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 OR	3-5	MAT 120	Quantitative Reasoning	3-5
804-115	College Technical Math 1		MAT 140	Advanced Algebra	
809-196	Introduction to Sociology OR	3	SOC 100	Introduction to Sociology	3
809-172	Introduction to Diversity Studies		SOC 210	Minority/Majority Relations	
809-195	Economics OR	3	ECN 235	Macroeconomics	3
809-143	Microeconomics		ECN 230	Microeconomics	
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:			Total general education credits accepted:		
19-21			19-21		

Occupational Courses					
Course No.	Course Title	Credits	Course No.	Course Title	Credits
107-011	IT in Business	3		An elective course	3
107-177	IT Project Management	4	DAT 452	Information Technology Management	4
107-193	IT Essentials	3	CPS 100	Introduction to Computers	3
150-145	IT Scripting	3		An elective course	3
150-182	IoT: Connecting Devices	3		An elective course	3
154-112	Data Security & Recovery Support	3	CYS 250	Foundations of Cybersecurity	3
154-113	IT Apps Server & Support	3		An elective course	3
154-114	Hardware & Software Support	3		An elective course	3
154-116	Emerging Technologies and Apps	2		An elective course	2
154-118	CSS Skills Implementation & Career Prep	3		An elective course	3
154-119	System Software Support	3		An elective course	3
154-120	Advanced Help/Service Desk	3		An elective course	3
154-121	CSS Program Orientation	1		An elective course	1
154-122	Introduction to Help/Service Desk	3	CPS 280	Special Topics in Computer Science	3
	Elective Course	3		An elective course	3
Total of Occupational/Elective		43	Total of Occupational/Elective		43
Total transferable credits:		62-64	Total transferable credits:		62-64

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

* Courses only offered on the main campus

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 choose 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 325	Networking and Telecommunications	
CPS 400	Internship in Computer Science	
CPS 420	Operating Systems	
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 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 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:		11 to 13
Total credits needed to complete Lakeland University degree:		56-58