



General Education Courses					
Technical College			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
801-136	English Composition 1 --OR--	3	GEN 110	Composition I: Academic Writing	3
801-219	English Composition 1				
804-133	Math & Logic	3		An elective course	3
801-196	Oral / Interpersonal Comm	3	COM 111	Fundamentals of Public Speaking	3
809-166	Introduction to Ethics: Theory and Application --OR--	3	PHI 232	Ethics	3
809-225	Ethics				
809-196	Introduction to Sociology --OR--	3	SOC 100	Introduction to Sociology	3
809-271	Introductory Sociology				
809-198	Introduction to Psychology --OR--	3	PSY 200	General Psychology	3
809-251	General Psychology				
Total general education credits earned:		18	Total general education credits accepted:		18

Occupational Courses					
Course No.	Course Title	Credits	Course No.	Course Title	Credits
150-111	IT Software for Networking	2		An elective course	2
150-134	Network Infrastructure Concepts	2		An elective course	2
150-143	Computer Hardware	3		An elective course	3
150-150	CCNA 1: Intro to Networks	3	CPS 325	Networking and Telecommunications	3
150-163	Microsoft Client Operating Sys	2	CPS 420*	Operating Systems	2
150-105	IT Career Preparation	2		An elective course	2
150-151	CCNA 2: Switch/Routing/Wire Essentials	3		An elective course	3
150-165	Microsoft Server 1	2		An elective course	2
150-176	Linux 1	2	CPS 420*	Operating Systems	2
150-183	Wireless Networking	2		An elective course	2
150-110	Help Desk & User Support	1		An elective course	1
150-118	Scripting	2		An elective course	2
150-153	CCNA 3: Netwkg/Security/Automat	3		An elective course	2
150-166	Microsoft Server 2	2		An elective course	2
150-177	Linux 2	2		An elective course	2
150-170	IT Service Center OR	2		An elective course	2
150-182	Network Specialist Internship			An elective course	2
150-132	Virtualized Systems	2		An elective course	2
150-190	CCNA 4: Exam Prep	1		An elective course	2
150-155	Network Operations Mgmt	2		An elective course	2
150-184	IT Security Fundamentals	2		An elective course	2
150-185	IT Networking Capstone	2		An elective course	2
Total of Occupational/Elective		44	Total of Occupational/Elective		44
Total transferable credits:		62	Total transferable credits:		62

NOTE: Transfer credits noted assume completed Associate's Degree.
 *Both courses must be completed to fulfill requirement

^ 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		18
CPS 221	COBOL Programming	
CPS 280	Special Topics in Computer Science	
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 (VI)	
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:		10
Total credits needed to complete Lakeland University degree:		58