



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

CVTC Program: Information Technology - Software Developer 2122

Lakeland University Program: Computer Science, Software Design emphasis 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
801-196	Oral / Interpersonal Communication	3	COM 111	Fundamentals of Public Speaking	3
801-136	English Composition 1	3	GEN 110	Composition I: Academic Writing	3
804-133	Math and Logic	3		An elective course	3
809-198	Intro to Psychology	3	PSY 200	General Psychology	3
809-196	Introduction to Sociology	3	SOC 100	Introduction to Sociology	3
Total general education credits earned:			Total general education credits accepted:		
15			15		

Course No.	Course Title	Credits	Course No.	Course Title	Credits
152-118	Intro to Computers & Programming	3	CPS 100	Introduction to Computers	3
152-107	Web 1 - HTML and CSS	3	CPS 280	Special Topics in Computer Science	3
152-101	Programming Fundamentals	3	CPS 200	Programming I	3
152-132	Database 1	3	DAT 210	Database Basics	3
152-103	.NET Application Development	3		An elective course	3
152-142	Object Oriented Programming	3	CPS 315	Object-Orientation Programming I	3
152-108	Web 2 - Client Side	3		An elective course	3
152-129	Java Web Programming	3	CPS 316	Object-Orientation Programming II	3
152-136	Database 2	3		An elective course	3
152-159	Web 3 - Interactive Media OR	3		An elective course	3
152-161	3D Simulation Development			An elective course	
152-114	iOS Development OR	3		An elective course	3
152-105	.NET - ASP			An elective course	
152-164	Web 4 - Server-Side	3		An elective course	3
152-166	IT Developer Capstone	3		An elective course	3
152-169	Software Quality Control	3		An elective course	3
152-171	Data Structures	3	CPS 362	Introduction to Data Structures	3
Elective credits allowed:					
Total of Occupational/Elective		45	Total of Occupational/Elective		45
Total transferable credits:		60	Total transferable credits:		60

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
Software Design Emphasis		
CPS 212	Programming II	3
DAT 442	Data Management & Warehousing	3
DAT 445	Systems Analysis & Design (Writing Intensive)	3
MAT 250	Discrete Mathematics	3
CPS 313 OR	Advanced Programming OR	3
CPS 221	COBOL Programming	
CPS 314	Programming Languages	3
CPS 426 OR	Game Design & Development OR	3
CPS 435	Mobile Application Development	
Two additional courses from the following:		6
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 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 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 Analysis	
	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:		24
Total credits needed to complete Lakeland University degree:		60

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

[^] Courses only offered on the main campus