



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

CVTC Program: IT-Software Developer

Lakeland College Program: Computer Science, Software Design Emphasis

Minimum GPA for admission: 2.0

Initial effective date:

General Education Courses

CVTC			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-189	Introductory Statistics	3	MAT 220	Probability and Statistics / A Mathematics course	3
10-801-136	English Composition I	3	GEN 110	Composition I	3
10-801-196	Oral/Interpersonal Comm	3	COM 111	Introduction to Public Speaking	3
10-809-199	Psychology of Human Relations	3		A Social Sciences course	3
10-809-196	Intro to Sociology	3	SOC 100	Introduction to Sociology / A Social Sciences course	3
10-804-133	Math & Logic	3	MAT 250	Discrete Mathematics/ A Mathematics course	3
10-801-197	Technical Reporting	3		An elective course	3
Total general education credits earned:		21	Total general education credits accepted:		21
Total transferable general education credits:		21			

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-152-101	Programming Fundamentals	3	CPS 200	Programming I	3
10-152-102	IT-Software Dev Exploration	1		An elective course	1
10-152-106	Operating Systems	2		An elective course	2
10-152-107	Web 1 - HTML & CSS	3	CPS 280	Special Topics in Computer Science	3
10-152-132	Database 1	3	CPS 210	Database Basics	3
10-152-103	.NET Application Development	3		An elective course	3
10-152-105	.NET-ASP	3		An elective course	3
10-152-108	Web 2 - JavaScript	3		An elective course	3
10-152-136	Database 2	3		An elective course	3
10-152-142	OO Analysis & Design-Java	3	CPS 315	Object-Oriented Programming I	3
10-152-114	Objective C Programming-Cocoa	3	CPS 280	Special Topics in Computer Science	3
10-152-129	Java Web Programming	3	CPS 316	Object-Oriented Programming II	3
10-152-159	Web Multimedia	3		An elective course	3
10-152-112	Business Intelligence	3		An elective course	3
10-152-126	Agile Prog w Design Patterns	3		An elective course	3
10-152-164	Database-Driven Web Design/Dev	3		An elective course	3
10-152-166	IT-Software Dev Capstone --OR--	2		An elective course	2
10-152-182	IT-Software Dev Internship	2			
Total occupational course credits earned:		47	Total occupational course credits accepted:		47
Elective credits allowed:		0	Elective credits allowed:		0
Total credits required for graduation:		68	Total credits accepted at Lakeland College:		68
Total transferable credits:		68			

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

Courses needed to complete degree at Lakeland College:

Course No.	Course Title	Credits
GEN 112	Composition II	3
Complete a minimum of 3 credits from 5 of the following 6 categories (15 credits)		
	Art, Music and Theatre	
	History and Political Science	
	Philosophy and Religion	
	Literature and Writing	
	Natural Sciences	
	World Languages	
GEN 3XX	Core II: Exploring the Human Condition	3
GEN 4XX	Core III: Shaping the Future	3
CPS 212	Programming II	3
CPS 362	Introduction to Data Structures	3
CPS 442	Data Management, Warehousing and Mining	3
CPS 445	Systems Analysis and Design (WI)	3
CPS 221	COBOL Programming --OR--	3
CPS 313	Advanced Programming	3
CPS 314	Programming Languages	3
CPS 435	Mobile Application Development	3
At least 3 semester hours from the following:		
CPS 250	Information Security and Forensics I	
CPS 323	Computer Architecture	
CPS 325	Networking & Telecommunications	
CPS 420	Operating Systems	
CPS 425	Artificial Intelligence	
CPS 450	Information Security and Forensics II	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analytics	
CPS 480	Special Topics in Computer Science	
Up to four (4) semester hours from the following non-CPS courses:		
BUS 310	Management Information Systems	
MAT 370	Numerical Analysis	
	A foreign language	
Elective credits to reach required 120 credits		4
Total credits needed at Lakeland College to complete degree:		52

Core

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