



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: IT-Web Designer

Lakeland University Program: Computer Science w/ Computer Science emphasis

Minimum GPA for admission:3.0

Initial effective date: Fall 2022

General Education Courses

NTC			Lakeland University		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-189	Introductory Statistics	3	MAT220	Probability and Statistics	3
10-801-195	Written Communication <u>OR</u>	3	GEN110	Composition I: Academic Writing	3
10-801-136	English Composition 1				
10-801-196	Oral/Interpersonal Communications	3	COM111	Fundamentals of Public Speaking	3
10-809-199	Psychology of Human Relations <u>OR</u>	3	PSY200	An elective course	3
10-809-198	Intro to Psychology				
10-809-166	Intro to Ethics: Theory & App	3	PHI232	Ethics	3
10-804-133	Math & Logic	3		An elective course	3
10-890-165	College 101	1	GEN 103	College Success Seminar	1
Total general education credits earned:		19			
Total transferable general education credits:		19		Total general education credits accepted:	19

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-152-551	Web Design 1A	1	%CPS280	Special Topics in Computer Science	1
10-152-552	Web Design 1B	1	%CPS280	Special Topics in Computer Science	1
10-152-553	Web Design 1C	1	%CPS280	Special Topics in Computer Science	1
10-152-531	Data Concepts A	1		An elective course	1
10-152-532	Data Concepts B	1		An elective course	1
10-152-533	Data Concepts C	1		An elective course	1
10-152-500	IT Development & Design Fundamentals	1		An elective course	1
10-152-501	Programming Concepts A	1	CPS200*	Programming I	1
10-152-502	Programming Concepts B	1	CPS200*	Programming I	1
10-152-503	Programming Concepts C	1	CPS200*	Programming I	1
10-152-223	User Experience Design	3		An elective course	3
10-152-224	Web Branding & Marketing Technical Support	3		An elective course	3
10-152-232	Vector Graphics & Animation for Web & Mobile	3		An elective course	3
10-152-391	Collaborative Application Development	3		An elective course	3
10-152-231	Raster Graphics & Layout for Web & Mobile	3		An elective course	3
10-152-554	Web Design 2 A	1		An elective course	1

10-152-555	Web Design 2 B	1		An elective course	1
10-152-556	Web Design 2 C	1		An elective course	1
10-152-225	Content Creation And Management Systems	3		An elective course	3
10-152-561	Client-Side Web Development 1 A	1	#CPS280	Special Topics in Computer Science	1
10-152-562	Client-Side Web Development 1 B	1	#CPS280	Special Topics in Computer Science	1
10-152-563	Client-Side Web Development 1 C	1	#CPS280	Special Topics in Computer Science	1
10-152-213	Web Design 3	3		An elective course	3
10-152-393	Application Development Capstone Project	3		An elective course	3
10-152-567	Open-Source Web Development A	1		An elective course	1
10-152-568	Open-Source Web Development B	1		An elective course	1
10-152-569	Open-Source Web Development C	1		An elective course	1
10-152-564	Client-Side Web Development 2 A	1		An elective course	1
10-152-565	Client-Side Web Development 2 B	1		An elective course	1
10-152-566	Client-Side Web Development 2 C	1		An elective course	1
	Total occupational course credits earned:	46		Total occupational course credits accepted:	46
	Elective credits allowed:			Elective credits allowed:	
	Total credits required for graduation:	65			
	Total transferable credits:	65		Total credits accepted at Lakeland College:	65

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

%all courses are needed to fulfill requirement

*all courses are needed to fulfill requirement

#all courses are needed to fulfill requirement

Courses needed to complete degree at Lakeland College:

Course No.	Course Title	Credits
GEN 112	Composition II: Argumentation and Research	3
GEN3XX	CORE II: The Human Condition	3
GEN4XX	CORE III: Shaping the Future	3
Computer Science Courses:		
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 18 semester hours)		
CPS 221	COBOL Programming (3 Cr)	
CPS 313	Advanced Programming (3 Cr)	
CPS 314	Programming Languages (3 Cr)	
CPS 315	Object-Oriented Programming I (3 Cr)	
CPS 316	Object-Oriented Programming II (3 Cr)	

CPS 323	Computer Architecture (3 Cr)	18
CPS 325	Networking & Telecommunications (3 Cr)	
CPS 400	Internship in Computer Science (3 Cr)	
CPS 420	Operating Systems (3 Cr)	
CPS 421^	Human-Computer Interaction Lab II (3 Cr)	
CPS 422^	Human-Computer Interaction Lab II (3 Cr)	
CPS 425	Artificial Intelligence (3 Cr)	
CPS 426	Game Design & Development (3 Cr)	
CPS 435	Mobile Application Development (3 Cr)	
CPS 480	Special Topics in Computer Science (3 Cr)	
CPS 490	Independent Study in Computer Science (3 Cr)	
CYS 250	Foundations of Cybersecurity (3 Cr)	
CYS 450	Ethical Hacking & Penetration Tracking (3 Cr)	
CYS 451	Digital Forensics (3 Cr)	
DAT 301	Introduction to Data Visualization Techniques	
DAT 318	Computational Modeling and Visualization (3 Cr)	
DAT 401	Operations Research (3 Cr)	
DAT 402	Advanced Modeling Techniques and Visualization (3 Cr)	
DAT 301	Introduction to Data Visualization Techniques (3 Cr)	
DAT 452	Information Technology Project Management (3 Cr)	
DAT 455	Predictive Analysis (3 Cr)	
Up to four semester hours from the following non-CPS designated courses		
MAT 370	Numerical Analysis (3 Cr)	0 to 4
	A foreign language course	
Number of electives needed to reach 120 credit minimum		11
Total credits to complete at Lakeland University:		56
Total credits needed to complete degree:		121

^Courses only offered at Main Campus

Disclaimer: Students planning to transfer should contact NTC's Transfer Specialist and transfer personnel at Lakeland University for the most current transfer information.

Updated on: 9/27/23