

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

NTC Program: IT-Web Designer

Lakeland University Program: Computer Science

Minimum GPA for admission: 2.0

Initial effective date:

General Education Courses

NTC			Lakeland University		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-804-189	Introductory Statistics	3	MAT 220	Probability & Statistics/ A Mathematics course	3
10-801-195	Written Communication OR	3 GEN 110		Composition I	3
10-801-136	English Composition 1			Composition	
10-801-196	Oral/Interpersonal Communications	3	COM 111	Introduction to Public Speaking	3
10-809-199	Psychology of Human Relations OR	2	PSY ELEC	Psychology Elective	2
10-809-198	Intro to Psychology	3	PSY 200	General Psychology	3
10-809-166	Intro to Ethics: Theory & App	3	PHI 232	Ethics	3
10-804-133	Math & Logic	3		An Elective Course	3
	Total general education credits earned:	18			
,	Total transferable general education credits:	18		Total general education credits accepted:	18

	Occupational Courses				
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-152-211	Web Design 1	3	CPS 280	Special Topics in Computer Science	3
10-152-231	Raster Graphics & Layout for Web & Mobile	3		An Elective Course	3
10-152-212	Web Design 2	3		An Elective Course	3
10-152-331	Data Concepts	3	CPS 210	Database Basics	3
10-152-310	Client-Side Web Development 1	3	CPS 200	Programming I	3
10-152-232	Vector Graphics & Animation for Web & Mobile	3		An Elective Course	3
10-152-213	Web Design 3	3		An Elective Course	3
10-152-223	User Experience Design	3		An Elective Course	3
10-152-224	Web Branding & Marketing Technical Support	3		An Elective Course	3
10-152-225	Content Creation And Management Systems	3		An Elective Course	3
10-152-393	Application Development Capstone Project	3		An Elective Course	3
10-152-362	Open-Source Web Development	3		An Elective Course	3
10-152-351	Client-Side Web Development 2	3		An Elective Course	3
10-152-391	Collaborative Application Development	3	CPS 280	Special Topics in Computer Science	3
10-152-500	IT Development & Design Fundamentals	1		An Elective Course	1
10-152-501	Programming Concepts A	1		An Elective Course	1
10-152-502	Programming Concepts B	1		An Elective Course	1

10-152-503	Programming Concepts C	1	An Elective Course	1
	Total occupational course credits earned:	46	Total occupational course credits accepted:	46
	Total credits required for graduation:	64		
	Total transferable credits:	64	Total credits accepted at Lakeland University:	64

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

Courses needed to complete degree at Lakeland University:

Ocurace nec	eded to complete degree at Lakeland Offiversity.	
GEN 112	Composition II: Argumentation and Research	3
GEN 3XX	·	
GEN 4XX	Core III: Shaping the Future (Writing Intensive)	3
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CPS 212	Programming II	3
CPS 362	Introduction to Data Structures	3
CPS 442	Data Management, Warehousing & Mining	3
CPS 445	Systems Analysis & Design (Writing Intensive)	3
MAT 250		
WA 1 230	Complete one area of emphasis	3
	Computer Science Emphasis: 18 semester hours	
	from the following:	18
CPS 221	COBOL Programming	.0
CPS 250	Cybersecurity I	
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 & Telecommunications	
CPS 400	Internship in Computer Science	
CPS 420	Operating Systems	
CPS 425	Artificial Intelligence	
CPS 435	Mobile Application Development	
CPS 450	Cybersecurity II	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
CPS 480	Special Topics in Computer Science	
CPS 490	Independent Study in Computer Science	
	Up to four semester hours from the following non-	
	CPS designated courses	

BUS 301	Management Information Systems	
MAT 370	Numerical Analysis	
	A foreign language course	
	Additional general electives needed for degree	
	completion	14
	Information Systems Emphasis: 18 total	18
BUS 301	Management Information Systems	
CPS 314	Programming Languages	
OR CPS 221	OR COBOL Programming	
CPS 315	Object-Oriented Programming I	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
	Three (3) additional semester hours from the	
	Computer Science emphasis not already earned as	
	transfer or used in above emphasis	
	Additional general electives needed for degree	
	completion	14
	Software Design Emphasis: 18 total	18
CPS 313	Advanced Programming	
OR CPS 221	OR COBOL Programming	
CPS 314	Programming Languages	
CPS 315	Object-Oriented Programming I	
CPS 316	Object-Oriented Programming II	
CPS 435	Mobile Application Development	
	Three (3) additional semester hours from the	
	Computer Science emphasis not already earned as	
	transfer or used in above emphasis	
	Additional general electives needed for degree	
	completion	14
Total credits n	eeded to complete degree any emphasis:	56

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: 12/7/18