



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

WITC Program: IT-Web & Software Developer

Lakeland College Program: Computer Science 2018-2019

Minimum GPA for admission: 2.0

General Education Courses

WITC			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-136	English Composition 1	3	GEN 110	Composition I: Academic Writing	3
10-801-198	Speech	3	COM 111	Fundamentals of Public Speaking	3
DR 10-801-196	OR Oral/Interpersonal Communication		COM 111	Fundamentals of Public Speaking	
10-804-123	Math w/Business Applications	3		An elective course	3
DR 10-804-113	OR College Technical Mathematics 1A		MAT 130	Intermediate Algebra	
DR 10-804-133	OR Mathematics & Logic		MAT 220	Probability & Statistics	
10-809-172	Introduction to Diversity Studies	3	SOC 210	Majority-Minority Relations	3
OR 10-809-195	OR Economics		ECN GEN	General Economics	
OR 10-809-166	OR Introduction to Ethics: Theory and Application		PHI 232	Ethics	
10-809-198	Introduction to Psychology	3	PSY 200	General Psychology	3
Total transferable general education credits:		15	Total credits accepted:		15

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10152100	Database Concepts and SQL	3	CPS 210	Database Basics	3
10152101	Web Design and Development	3	CPS 280	Special Topics in Computer Science	3
10152102	Advanced Website Development	3		An elective course	3
10152106	Java Programming - Beginning	3	CPS 315	Object-Oriented Programming I	3
10152107	Java Programming - Advanced	3		An elective course	3
10152108	Enterprise Java Programming	3	CPS 316	Object-Oriented Programming II	3
10152110	Programming in SQL	3		An elective course	3
10152111	Systems Analysis and Design	3	CPS 445	Systems Analysis & Design (Writing Intensive)	3
10152112	Server-Side Web Development	3		An elective course	3
10152113	Applications Development	3		An elective course	3
10152115	Beginning .NET Programming	3	CPS 280	Special Topics in Computer Science	3
10152116	Web Tools of the Trade	2		An elective course	2
10152117	Advanced .NET Programming	3		An elective course	3
10152118	Enterprise Programming in .NET	3		An elective course	3
10152119	Development in Emerging Technologies	3	CPS 435	Mobile Application Development	3
10152135	Program Logic	3		An elective course	3
Total occupational course credits earned:		47	Total credits accepted at Lakeland University		62

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

Courses needed to complete degree at Lakeland University

Course No.	Course Title	Credits
GEN 112	Persuasive Writing	3
GEN 3XX	Core II: Exploring the Human Condition	3
GEN 4XX	Core III: Shaping the Future (Writing Intensive)	3
Computer Science Major Core Courses		
CPS 200	Programming I	3
CPS 212	Programming II	3
CPS 362	Introduction to Data Structures	3
CPS 442	Data Management, Warehousing & Mining	3
MAT 250	Discrete Mathematics	3
Complete one area of emphasis		
Computer Science Emphasis: 18-19 semester hours:		15-16
CPS 221	COBOL Programming	
CPS 250	Cybersecurity I	
CPS 313	Advanced Programming	
CPS 314	Programming Languages	
CPS 323	Computer Architecture	
CPS 325	Networking & Telecommunications	
CPS 400	Internship in Computer Science	
CPS 420	Operating Systems	
CPS 425	Artificial Intelligence	
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 for degree	18-19
Information Systems Emphasis: 12 total		12
BUS 301	Management Information Systems	
CPS 314	Programming Languages	
OR CPS 221	OR COBOL Programming	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
	Additional general electives for degree	22
Software Design Emphasis: 9 total		9
CPS 221	COBOL Programming	
OR CPS 313	OR Advanced Programming	
CPS 314	Programming Languages	
	Three (3) additional semester hours from the Computer Science emphasis already earned as transfer or used in above emphasis	
	Additional general electives for degree	25
Total credits required to earn degree		58