



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS
WITC Program: IT-WEB AND SOFTWARE DEVELOPER
Lakeland College Program: Computer Science, Computer Science Emphasis
Minimum GPA for admission: 2.0
Initial effective date:



General Education Courses

WITC			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10801195	Written Communication	3	GEN 110	Composition I	3
10801196	Oral/Interpersonal Communication --OR--	3	COM 111	Fundamentals of Public Speaking	3
10801198	Speech				
10801197	Technical Reporting	3		An elective course	3
10804123	Math with Business Applications	3		An elective course	3
10809195	Economics	3	ECN 220	Principles of Macroeconomics / A Social Sciences course	3
10809196	Introduction to Ethics: Theory and Application --OR--	3	PHI 232	Ethics/A Philosophy and Religion course --OR--	3
10809172	Introduction to Diversity Studies			A Social Sciences course	
10809198	Introduction to Psychology	3	PSY 200	General Psychology / A Social Sciences 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
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 (WI)	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	3		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:		48	Total occupational course credits accepted:		47
Elective credits allowed:			Elective credits allowed:		
Total credits required for graduation:		69			
Total transferable credits:		69	Total credits accepted at Lakeland College:		68

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

*10-809-196 Introduction to Ethics meets requirement.

Courses needed to complete degree at Lakeland College:

Course No.	Course Title	Credits
GEN 112	Composition II	3
MAT 130	Intermediate Algebra	3
Complete a minimum of 3 credits from 6 of the following 7 categories (18 credits)		
	Art, Music and Theatre	
	History and Political Science	
	Mathematics	
	Natural Sciences	
	Philosophy and Religion *	
	Literature and Writing	
	World Languages	
GEN 3XX	Core II: Exploring 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
MAT 250	Discrete Mathematics	3
<i>At least 9 semester hours from the following:</i>		
CPS 221	COBOL Programming	
CPS 250	Information Security and Forensics I	
CPS 313	Advanced Programming	
CPS 314	Programming Languages	
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	
<i>Up to four (4) semester hours from the following non-CPS courses:</i>		
BUS 301	Management Information Systems	
MAT 370	Numerical Analysis	
	A foreign language	
Electives to reach the 120 semester hour minimum:		1
Total credits needed to complete the degree:		52