



TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

Program: IT-Web Software Developer

Lakeland University Program: Computer Science-all emphases 2021

Minimum GPA for admission: 2.0

Review Date: 11/05/2020

General Education Courses

Technical College			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-195	Written Communication	3	GEN 110	Composition I: Academic Writing	3
10-809-199	Psychology Of Human Relations	3	PSY ELEC	Psychology Elective	3
10-801-196	Oral/Interpersonal Communication	3	COM 111	Fundamentals of Public Speaking	3
10-804-144	Math of Finance	3		An elective course	3
10-809-197	Contemporary American Society	3	SOC ELEC	Sociology Elective	3
Total general education credits earned:		15	Total general education credits accepted:		15

Occupational Courses

Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-107-111	Exploration of Information Technology	1		An elective course	1
10-151-102	IT Security Awareness	1		An elective course	1
10-152-119	Introduction to Programming with JavaScript	3	CPS 200	Programming I	3
10-152-120	Website Development	3	CPS 280	Special Topics in Computer Science	3
10-156-124	Introduction to Databases	3	CPS 210	Database Basics	3
10-152-111	Java Programming	3	CPS 315	Object-Oriented Programming I	3
10-156-125	SQL Database Programming	3		An elective course	3
10-152-130	UI/UX for Developers	3		An elective course	3
10-152-166	PHP Web Development with MySQL	3		An elective course	3
10-107-175	Preparation for an IT Career	1	EXP 100	Professional Protocol	1
10-152-112	Advanced Java Programming	3	CPS 316	Object-Oriented Programming II	3
10-152-121	Advanced CSS	3	CPS 280	Special Topics in Computer Science	3
10-152-131	Agile Practices	3		An elective course	3
10-152-113	Enterprise Java Programming	3		An elective course	3
10-152-132	Web Software Developer Internship	3	CPS 400	Computer Science Internship	3
10-152-168	Advanced JavaScript	3		An elective course	3
	Elective credits allowed:	6		An elective course	6
Total of Occupational/Elective		48	Total of Occupational/Elective		48
Total transferable credits:		63	Total transferable credits:		63

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

Courses needed to complete degree at Lakeland University:

Course No.	Course Title	Credits
GEN 112	Composition II: Argumentation & Research	3
GEN 3XX	CORE II: Exploring the Human Condition	3
GEN 4XX	CORE III: Shaping the Future	3
Courses needed to complete degree at Lakeland University:		
CPS 212	Programming II	3
CPS 362	Introduction to Data Structures	3
CPS 442	Data Management & Warehousing	3
CPS 445	Systems Analysis & Design (WI)	3
MAT 250	Discrete Mathematics	3

Complete one area of emphasis:		
Computer Science Emphasis:		9
CPS 221	COBOL Programming	
CPS 250	Cybersecurity I	
CPS 313	Advanced Programming	
CPS 314	Programming Languages	
CPS 318	Computational Modeling and Visualization	
CPS 323	Computer Architecture	
CPS 425	Artificial Intelligence	
CPS 426	Game Design & Development	
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		
MAT 370	Numerical Analysis	
	A foreign language course	
Elective credits needed to reach 120 minimum:		24
Information Systems Emphasis:		9
CPS 314 OR	Programming Languages OR	
CPS 221	COBOL Programming	
CPS 452	Information Technology Project Management	
CPS 455	Predictive Analysis	
Elective credits needed to reach 120 minimum:		24
Software Design Emphasis:		9
CPS 313 OR	Advanced Programming OR	
CPS 221	COBOL Programming	
CPS 314	Programming Languages	
CPS 435	Mobile Application Development	
Elective credits needed to reach 120 minimum:		24
Total credits needed to complete degree:		57