



**TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS**  
**MPTC Program: Information Technology- Software Developer**

**Lakeland University Program: Computer Science- Software Design emphasis**  
**Minimum GPA for admission: 2.0**  
**Initial effective date: 11/16/2021**

**General Education Courses**

MPTC			Lakeland		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
890-101	College 101	2	GEN103	College Success Seminar	2
801-136	English Composition 1	3	GEN110	Composition I: Academic Writing	3
804-107	College Mathematics	3	MAT140	Advanced Algebra	3
801-197	Technical Reporting	3	WRT335	Technical Writing	3
809-196	Introduction to Sociology	3	SOC100	Introduction to Sociology	3
809-199	Psychology of Human Relations	3		A Social Science course	3
809-166	Intro to Ethics- Theory & Application	3	PHI232	Ethics	3
<b>Total general education credits earned:</b>		<b>20</b>			
Total transferable general education credits:		20	<b>Total general education credits accepted:</b>		<b>20</b>

**Occupational Courses**

Course No.	Course Title	Credits	Course No.	Course Title	Credits
103-159	Computer Literacy- Microsoft Office	1		An elective course	1
150-107	IT Fundamentals 1	3		An elective course	3
152-108	Relational Databases	3	DAT210	Database Basics	3
152-108	Introduction to Programming	3	CPS200	Programming I	3
152-112	Web Coding Technologies	3	CPS280	Special Topics in Computer Science	3
152-118	Database-Driven Web Sites	3		An elective course	3
152-123	PHP	3		An elective course	3
152-126	Introduction to Systems Analysis	3		An elective course	3
152-139	C# Development	3	CPS280	Special Topics in Computer Science	3
152-131	ASP.net	3	CPS280	Special Topics in Computer Science	3
152-132	SQL	3		An elective course	3
152-137	Java Programming	2	*CPS315	Object-Oriented Programming I	2
152-147	Systems Analysis and Design	3		An elective course	3
152-138	Advanced Java Programming	2	*CPS315	Object-Oriented Programming I	2
152-142	Software Developer Capstone	3		An elective course	3
152-143	Advanced SQL	3		An elective course	3
152-148	Systems Analysis and Implementation	3	DAT445	Systems Analysis and Design	3
<b>Total occupational course credits earned:</b>		<b>47</b>	<b>Total occupational course credits accepted:</b>		<b>47</b>
Total transferable credits:		47	<b>Total credits accepted at Lakeland:</b>		<b>67</b>

\*Both courses are needed to fulfill requirement

**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 and Research	3
GEN3XX	CORE II: The Human Condition	3
GEN4XX	CORE III: Shaping the Future	3
<b>Software Design Emphasis</b>		
CPS212	Programming II	3
CPS362	Introduction to Data Structures	3
DAT442	Data Management and Warehousing	3
MAT250	Discrete Mathematics	3
CPS221 OR CPS313	COBOL Programming OR Advanced Programming	3
CPS314	Programming Languages	3
Choose 2 of the following courses:		6
CPS316	Object-Oriented Programming II	
CPS426	Game Design and Development	
CPS435	Mobile Application Development	
Electives needed to reach 120 credit minimum:		20
Total credits needed to complete Lakeland University degree:		53