

TRANSFER GUIDE - ASSOCIATE DEGREE PROGRAMS

General Education Courses

NTC			Lakeland University		
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits
10-801-196	Oral/Interpersonal Communications	3	COM111	Fundamentals of Public Speaking	3
10-801-195	Written Communication <u>OR</u>	3 GEN	GEN110	Composition I: Academic Writing	3
10-801-136	English Composition 1	3	GENTIO		3
10-804-189	Introductory Statistics	3	MAT220	Probability and Statistics	3
10-809-199	Psychology of Human Relations <u>OR</u>	3		An elective course	3
10-809-198	Intro to Psychology	3	PSY200	General Psychology	3
10-809-166	Intro to Ethics: Theory & App	3	PHI232	Ethics	3
10-804-133	Math & Logic	3		An elective course	3
10-890-165	College 101	1	GEN 103	College Success Seminar	1
10-809-195	Economics	3	ECN235	Principles of Macroeconomics	3
10-804-135	Quantitative Reasoning	3	MAT120	Quantitative Reasoning	3
	Total general education credits earned:	25			
	Total transferable general education credits:			Total general education credits accepted:	25

Occupational Courses					
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10-150-114	Principles of Information Security	2		An elective course	2
10-156-102	Python A	1		An elective course	1
10-156-103	Python B	1		An elective course	1
10-152-531	Data Concepts A	1		An elective course	1
10-152-532	Data Concepts B	1		An elective course	1
10-152-533	Data Concepts C	1		An elective course	1
10-152-500	IT Development and Design Fundamentals	1		An elective course	1
10-152-501	Programming Concepts A	1	CPS200*	Programming I	1
10-152-502	Programming Concepts B	1	CPS200*	Programming I	1
10-152-503	Programming Concepts C	1	CPS200*	Programming I	1
10-152-534	Database Design and SQL A	1	DAT210#	Database Basics	1
10-152-535	Database Design and SQL B	1	DAT210#	Database Basics	1
10-152-536	Database Design and SQL C	1	DAT210#	Database Basics	1
10-156-113	Data Visualizations 1	1		An elective course	1

	Total transferable credits:	63		Total credits accepted at Lakeland University:	63
	Total credits required for graduation:	63			
	Elective credits allowed:			Elective credits allowed:	
	Total occupational course credits earned:	38		Total occupational course credits accepted:	38
10-156-116	Optimization and Simulation 3	1		An elective course	1
10-156-115	Data Mining & Predictive Analytics 3	1	DAT442%	Data Management & Warehousing	1
10-156-112	Optimization and Simulation 2	1		An elective course	1
10-156-111	Data Mining & Predictive Analytics 2	1	DAT442%	Data Management & Warehousing	1
10-156-106	Modeling and Machine Learning	3		An elective course	3
10-156-105	Data Capstone	3		An elective course	3
10-156-114	Intro to R	1		An elective course	1
10-156-110	Optimization and Simulation 1	1		An elective course	1
10-156-109	Data Mining & Predictive Analytics 1	1	DAT442%	Data Management & Warehousing	1
10-156-104	IT Project Management	3	DAT452	Information Technology Project Management	3
10-152-572	Advanced Data Management C	1		An elective course	1
10-152-571	Advanced Data Management B	1		An elective course	1
10-152-570	Advanced Data Management A	1		An elective course	1
10-152-335	Data Reporting	3	DAT442%	Data Management & Warehousing	3
10-156-117	Data Visualizations 2	1		An elective course	1

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

%all courses needed to fulfill requirement

*all courses are needed to fulfill requirement #all courses are needed to fulfill requirement

Courses needed to complete degree at Lakeland University:

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Course No.	Course Title				
GEN 112	EN 112 Composition II: Argumentation and Research				
GEN3XX	N3XX CORE II: The Human Condition				
GEN4XX	GEN4XX CORE III: Shaping the Future				
CPS 212	Programming II	3			
CPS 362	Introduction to Data Structures	3			
DAT 445	DAT 445 Systems Analysis & Design (Writing Intensive)				
MAT 250 Discrete Mathematics		3			
	Data Analytics Emphasis:				
CPS 221	COPOL Programming				
OR	R COBOL Programming				
CPS 314	CPS 314 Programming Languages				
CPS 315 OR	Object-Oriented Programming I				

DAT 401 OR	Operations Research					
DAT 402	Advanced Modeling Techniques and Visualization					
DAT 301	Introduction to Data Visualization Techniques					
DAT 455	Predictive Analysis	3				
Nine additional semester hours from the following:						
CPS 280	Special Topics in Computer Science (3 Cr)					
CPS 313	PS 313 Advanced Programming (3 Cr)					
CPS 316	Object-Oriented Programming II (3 Cr)					
CPS 323	Computer Architecture (3 Cr)					
CPS 325	Networking & Telecommunications (3 Cr)					
CPS 400	Internship in Computer Science (3 Cr)					
CPS 420	1 1 7					
CPS 421 [^]	Human-Computer Interaction Lab II (3 Cr)					
CPS 422 [^]						
CPS 425	CPS 425 Artificial Intelligence (3 Cr)					
CPS 426	CPS 426 Game Design & Development (3 Cr)					
CPS 435	- , ,					
CPS 480						
CPS 490	Independent Study in Computer Science (3 Cr)					
CYS 250	Foundations of Cybersecurity (3 Cr)					
CYS 450	Ethical Hacking & Penetration Tracking (3 Cr)					
CYS 451	Digital Forensics (3 Cr)					
DAT 318	Computational Modeling and Visualization (3 Cr)					
Up to four semester hours from the following non-CPS designated courses						
MAT 370	Numerical Analysis (3 Cr)	0 to 4				
	A foreign language course	0 10 4				
Number of electives needed to reach 120 credit minimum						
Total credits to complete at Lakeland University:						
Total credits needed to complete degree:						

^Courses only offered at Main Campus

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: 9/27/23