

ASSOCIATE OF ARTS PRE-MAJOR ARTICULATION AGREEMENT:
COMPUTER SCIENCE

MID-STATE TECHNICAL COLLEGE (MSTC)

AND

LAKELAND UNIVERSITY (Lakeland)

The purpose of this articulation agreement is to provide a seamless transfer process for students enrolled in the Associate of Arts at Mid-State Technical College (MSTC) who seek to use the elective credits within that degree to pursue a pre-major pathway to a bachelor's degree in Computer Science at Lakeland University (Lakeland). Through the collaborative efforts of faculty, student services, and administration, MSTC and Lakeland will provide students with a clear path to reach their educational goals.

Students who complete the Associate of Arts at MSTC will be eligible for guaranteed admission to the Bachelor of Science in Computer Science program at Lakeland. Students who complete the occupational courses listed below as part of the conferred Associate of Arts degree at MSTC will have those courses applied in transfer toward the requirements of Lakeland's Bachelor of Science in Computer Science. Per the transfer guide below, students would need to complete the courses listed under the heading of "Courses Needed to Complete Degree at Lakeland University" in order to be awarded the Bachelor of Science degree in Computer Science. Students also are eligible for all benefits and incentives outlined in the parent transfer agreement, including guaranteed admission to Lakeland with junior standing. The provisions below outline the terms that will guide both parties in implementing and monitoring this agreement.



General Education Courses						
MSTC			Lakeland			
Course No.	Course Title	Credits	Course No.	Course Title/Field	Credits	
10801136	English Composition I	3	GEN 110	Composition I: Academic Writing	3	
20801223	English Composition II	3	GEN 112	Composition II: Argumentation & Research	3	
10801196	Oral/Interpersonal Communication - OR -	3	COM 111	Fundamentals of Public Speaking	3	
10801198	Speech					
20801255	Intro to Literature OR -	12	ENG 190	Approaching Literature	12	
20801247	Contemporary World Literature - OR -		ENG 200	Exploring World Literature		
20801233	Children's Literature		ENG ELEC	English Elective		
20815201	Art Appreciation OR -		ART ELEC	Art Elective		
20805201	Music Appreciation		MUS ELEC	Music Elective		
10809166	Intro to Ethics: Theory & Application- OR -		PHI 232	Ethics		
20809217	Intro to Philosophy		PHI 221	Intro to Philosophy		
10809122	Intro to American Government - OR -		POL 221	American Government		
20803215	History of American People to 1877 - OR -		HIS 111	US History I		
20803219	History of American People from 1877		HIS 112	US History II		
20803258	World History to 1500 -OR-		HIS 101	World History I		
20803259	World History since 1500		HIS 102	World History II		
20809287	Principles of Macroeconomics	ECN 235	Principles of Macroeconomics	12		
10809196	Developmental Psychology - OR -	PSY 330	Human Growth & Development			
10809198	Intro to Psychology	PSY 200	General Psychology			
10809196	Introduction to Sociology	SOC 100	Introduction to Sociology			
20809237	Abnormal Psychology	PSY 372	Abnormal Psychology			
20809275	Marriage and Family	SOC ELEC	Sociology Elective			
20809254	Educational Psychology	PSY 230	Educational Psychology			
10809103	Think Critically & Creatively	GEN 130	CORE I: Foundations of Critical Thinking			
10804195	College Algebra with Applications	MAT 140	Advanced Algebra		3	
20802217	Science course with lab	4	SCI ELEC or course		Various courses are direct equivalents	4
	Physical Fitness course	2	ELEC		General Elective	2
	Spanish 1	4	SPA 101		Spanish I/Lab	4
10809172	Diversity Studies	3	SOC 210	Majority-Minority Relations	3	
Total general education credits earned:		49	Total general education credits accepted:		49	

Occupational Courses					
Course No.	Course Title	Credits	Course No.	Course Title	Credits
10152101	Intro to Programming (elective choice)	3	CPS 200	Programming I	3
10156101	Database Concepts & Design (elective choice)	3	DAT 210	Database Basics	3
10804189	Introductory Statistics	3	MAT 220	Probability and Statistics	3
10152121	Object-Oriented Programming 1	3	CPS 280	Special Topics in Computer Science	3
Total elective credits:		12	Total transferable credits:		61

* Dependent upon MSTC course chosen
NOTE: Transfer credits noted assume completed Associate's Degree.

Courses needed to complete degree at Lakeland University:

Course No.	Course Title	Credits
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
DAT 442	Data Management & Warehousing	3
DAT 445	Systems Analysis & Design (Writing Intensive)	3
MAT 250	Discrete Mathematics	3
IF Computer Science Emphasis: choose 21 semester hours		21
CPS 221	COBOL Programming	
CPS 313	Advanced Programming	
CPS 314	Programming Languages	
CPS 315	Object-Oriented Programming I	
CPS 316	Object-Oriented Programming II	
CPS 323	Computer Architecture	
CPS 325	Networking & Telecommunications	
CPS 390	Cooperative Education in Computer Science (1-12 semester hours)	
CPS 400	Internship in Computer Science	
CPS 420	Operating Systems	
CPS 421*	Human-Computer Interaction Lab II	
CPS 422*	Human-Computer Interaction Lab II	
CPS 425	Artificial Intelligence	
CPS 426	Game Design & Development	
CPS 435	Mobile Application Development	

CPS 480	Special Topics in Computer Science	
CPS 490	Independent Study in Computer Science	
CYS 250	Foundations of Cybersecurity	
CYS 450	Ethical Hacking & Penetration Tracking	
CYS 451	Digital Forensics	
DAT 301	Introduction to Data Visualization Techniques	
DAT 318	Computational Modeling and Visualization	
DAT 401	Operations Research	
DAT 402	Advanced Modeling Techniques and Visualization	
DAT 452	Information Technology Project Management	
DAT 455	Predictive Analysis	
Up to four semester hours from the following non-CPS designated		
MAT 370	Numerical Analysis	
	A foreign language course	
Number of electives needed to reach 120 credit minimum		17
Total credits needed to complete Lakeland University degree:		59
IF Cybersecurity Emphasis:		24
CPS 221	COBOL Programming	
CPS 313 OR	Advanced Programming OR	
CPS 314	Programming Languages	
CPS 323	Computer Architecture	
CPS 325	Networking & Telecommunications	
CPS 420	Operating Systems	
CRJ 232	Intro to Criminology	
CYS 250	Foundations of Cybersecurity	
CYS 450	Ethical Hacking & Penetration Tracking	
CYS 451	Digital Forensics	
Number of electives needed to reach 120 credit minimum		14
Total credits needed to complete Lakeland University degree:		59
IF Data Analytics Emphasis:		24
CPS 314 OR	Programming Languages OR	
CPS 221	COBOL Programming	
CPS 315 OR	Object-Oriented Programming I OR	
DAT 401	Operations Research	
DAT 301	Introduction to Data Visualization Techniques	
DAT 452	Information Technology Project Management	
DAT 455	Predictive Analysis	
Nine (9) additional semester hours from the Computer Science emphasis or courses not used to fulfill requirements of this emphasis.		
Number of electives needed to reach 120 credit minimum		14
Total credits needed to complete Lakeland University degree:		59
IF Software Design Emphasis:		21
CPS 313 OR	Advanced Programming OR	
CPS 221	COBOL Programming	
CPS 314	Programming Languages	
Any three of the following:		
CPS 315	Object-Oriented Programming I	
CPS 316	Object-Oriented Programming II	
CPS 323	Computer Architecture	
CPS 426	Game Design & Development	
CPS 435	Mobile Application Development	
Nine (9) additional semester hours from the Computer Science emphasis or courses not used to fulfill requirements of this emphasis.		
Number of electives needed to reach 120 credit minimum		
Total credits needed to complete Lakeland University degree:		59

PROVISIONS OF THIS AGREEMENT:

1. **Admission.** It is the student's responsibility to demonstrate fulfillment of the current admission requirements of Lakeland at the time of admission.
2. **Advising.** Lakeland and MSTC will provide academic advising to MSTC students inquiring about Lakeland's programs and the pre-major pathway, including access to a Lakeland advisor before transfer. Lakeland and MSTC will share materials, catalogs, and other information to facilitate their understanding of requirements and programs. MSTC will assist Lakeland in arranging recruitment events on its campuses.
3. **Marketing.** Any marketing of this agreement will be subject to the prior approval of both parties and will adhere to each institution's standards for the use of its name and logo. Each institution will assume responsibility for appropriate marketing to reach its student population. Each institution may provide a link to this agreement and/or the other institution at its website, with notice to the other party.
4. **Accreditation.** Both parties agree that failure to maintain regional accreditation will be grounds for termination of the agreement. Failure to maintain accreditation required by the specific academic program(s) referenced in this agreement will be grounds for exclusion of that program from the agreement.
5. **Tracking of Use.** To track the use of this articulation agreement by students, Lakeland and MSTC will share aggregate pre-enrollment and registration data of the numbers of students pursuing the pre-major pathway.
6. **Periodic Review.** Lakeland and MSTC will review this articulation agreement on a three-year cycle or earlier if curricular or institutional policy changes are warranted. Each institution agrees to notify the other of significant curricular or policy changes in a timely manner.
7. **Cancellation.** Both parties agree to provide at least one hundred eighty days of advance written notification of their intent to cancel this agreement. MSTC students who apply to Lakeland prior to the cancellation date will be permitted to transfer credits under the agreement terms.

OFFICIAL CONTACT PERSONS:

For MSTC

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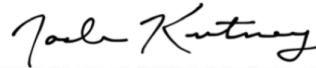
SIGNATURES

This signed agreement has been reviewed and approved by both institutions for the term specified.



10/26/2022

Deb Stencil
Vice President for Academics
Mid-State Technical College



10/14/2022

Joshua P. Kutney
Vice President for Academic Affairs
Lakeland University