AGREEMENT
FOR
TRANSFER ARTICULATION
BETWEEN

STATE UNIVERSITY OF NEW YORK AT OSWEGO
BACHELOR OF ARTS in MATHEMATICS

AND

JEFFERSON COMMUNITY COLLEGE
ASSOCIATE OF SCIENCE in MATHEMATICS

* * * * * * * * * * * *

INTRODUCTION

This document constitutes an agreement regarding articulation for the program identified between the State University of New York at Oswego and Jefferson Community College. The agreement includes the parallel program where full junior status will be afforded Jefferson Community College graduates as well as identifies other program options and appropriate course credit equivalencies.

OBJECTIVES

*** To attract qualified students to Jefferson Community College and to the State University of New York at Oswego.**

*** To encourage academic coordination and other faculty/administrative interactions, including curricular reviews and administrative streamlining.**

*** To provide for the exchange of information on successes and failures of this transfer program in order that improvements might be made.**

PROGRAM to PROGRAM ARTICULATION

Jefferson Community College Mathematics, A.S.				State University of New York at Oswego Mathematics B.A.		
Equivalency Table						
Course #	**Course Title**	**Credits**		**Course #**	**Course Title**	**Credits**
INT 111	College Foundations	1			Elective	1
MTH 174	Mathematical Probability and Statistics 1	3		MAT 158	Intro to Statistics A	3
MTH 221	Calculus 1	4		MAT 210	Calculus I	4
MTH 222	Calculus 2	4		MAT 220	Calculus II	4
MTH 241	Calculus 3	4		MAT 240	Multivariable Calculus	4
MTH 242 or MTH 245	Differential Equations or Linear Algebra (Recommended)	3		MAT 348 or MAT 230	Ordinary Differential Equations or Matrix Algebra (Recommended)	3
MTH 184 or MTH 231 or MTH 242	Mathematical Probability and Statistics 2 or Discrete Math (Recommended) or Differential Equations or higher	3		MAT 258 or MAT 215 or MAT 348	Intro to Statistics B Intro to Discrete Math (Recommended) Ordinary Differential Equations	3
CIS 116	Introduction to Programming	3		CSC 120	Introduction to Programming and Programming Languages	3
ENG 101	Research and Composition	3		ENG 102	Composition II	3
ENG 102	Literature and Composition	3		ENG 204	Writing About Literature	3
Humanities/Social Science Elective		3			SUNY GE	3
Humanities/Social Science Elective		6			SUNY GE	6
Natural Science Elective (NS) Choose 2 of the following:		8				8
BIO 131	Principles of Biology 1: Cell & Molecular Biology			BIO 120	Molecular & Cellular Foundations	
BIO 132	Principles of Biology 2: Evolution, Diversity, & Ecology				Elective	
BIO 202	Microbiology			BIO 310	Microbiology	
BIO 217	Vertebrate Biology 1				Elective	
BIO 218	Vertebrate Biology 2				Elective	
BIO 251	Anatomy & Physiology 1			BIO 305	Human Anatomy & Physiology I	
BIO 252	Anatomy & Physiology 2			BIO 306	Human Anatomy & Physiology II	
CHE 131	General Chemistry 1			CHE 111	General Chemistry I	
CHE 132	General Chemistry 2			CHE 212	General Chemistry II	
CHE 211	Organic Chemistry 1			CHE 331/333	Organic Chemistry/Lab	

CHE 212	Organic Chemistry 2			CHE 332/334	Organic Chemistry II/Lab	
GEO 131	Physical Geology			GEO 100/101	Physical Geology/Lab	
GEO 132	Historical Geology			GEO 200/201	Historical Geology/Lab	
GEO 141	Astronomy			AST 100	Astronomy	
GEO 144	Meteorology			MET 100	Meteorology	
PHY 131	General Physics 1			PHY 111	College Physics I	
PHY 132	General Physics 2			PHY 212	College Physics II	
PHY 143	Science & Engineering Physics 1			PHY 112	General University Physics I	
PHY 144	Science & Engineering Physics 2			PHY 313	General University Physics III	
PHY 145	Science & Engineering Physics 3			PHY 213	General University Physics II	
SCI 199	Interdisciplinary Science & Mathematics				Elective	
Social Science Elective		6			SUNY GE	3
Diversity: Equity, Inclusion and Social Justice		3			SUNY GE	3
Restricted Elective Choose 1 of the following		3				3
MTH 184	Mathematical Probability and Statistics 2			MAT 258	Intro to Statistics B	
MTH 231	Discrete Math			MAT 215	Intro to Discrete Math	
MTH 242	Differential Equations or higher			MAT 348	Ordinary Differential Equations	
PHY 131	General Physics I or higher			PHY 11	College Physics I	
SCI 199	Interdisciplinary Science & Mathematics				Elective	
BIO 200	Genetics			BIO 315	Genetics	
BIO 201	Ecology			BIO 320	Introductory Ecology	
CHE 215	Quantitative Analytical Chemistry			CHE 322	Analytical Chemistry	
CIS 216	Advanced Programming (Recommended)			CSC 212	Principles of Programming (Recommended)	
Free Elective		6			Elective	6
Physical Education Requirements		2			Elective	2
TOTAL CREDITS		64		**TOTAL CREDITS TRANSFERRED**		64

Remaining Coursework
Jefferson Community College: Mathematics, A.S.
SUNY Oswego: Mathematics, B.A.

Course #	Course Title	Credits/Transferred
	MAJOR CORE REQUIREMENTS (31-34 cr)	
MAT 210	Calculus I	Transferred (MTH 221)
MAT 215	Introduction to Discrete Mathematics	3 or Transferred (MTH 231)
MAT 220	Calculus II	Transferred (MTH 222)
MAT 230	Matrix Algebra	3 or Transferred (MTH 245)
MAT 240	Multivariable Calculus	Transferred (MTH 241)
MAT 330	Introduction to Algebra	3
MAT 347	Analysis A	3
MAT 354	Mathematical Statistics A	3
MAT 496	Capstone Project	1
Select 1 to take concurrently with MAT 496	MAT 498 Internship in Mathematics MAT 499 Independent Study ADO 420 Student Teaching Grades 7-12 An additional 400-level mathematics course (instructor and advisor approval needed)	
	ELECTIVE REQUIREMENTS (9 cr)	
Nine credit hours of 300- or 400-level mathematics courses, under advisement, from the list of approved electives below, three hours of which must be at the 400-level.		9
	MAT 300 History of Mathematics Credit: 3 MAT 310 Introduction to Linear and Integer Programming MAT 320 Numerical Analysis I MAT 332 Cryptology MAT 335 College Geometry MAT 348 Ordinary Differential Equations MAT 351 Introduction to Forecasting MAT 353 Mathematical Modeling MAT 357 Applied Regression Analysis MAT 358 Design and Analysis of Experiments MAT 373 Number Theory MAT 378 Data Mining and Predictive Analytics MAT 379 Environmental Statistics MAT 399 Independent Study MAT 409 Mathematical Economics Problem Seminar MAT 430 Algebra MAT 442 Complex Analysis MAT 447 Analysis B MAT 448 Partial Differential Equations and Orthogonal Functions MAT 454 Mathematical Statistics B MAT 499 Independent Study	
	COGNATE REQUIREMENTS (3 cr)	

CSC 212	Principles of Programming	3 or Transferred (CIS 216)
	GRADUATION REQUIREMENTS*	
300-499	Upper Division Elective	3
300-499	Upper Division Elective	3
300-499	Upper Division Elective	3
300-499	Upper Division Elective	3
300-499	Upper Division Elective	3
300-499	Upper Division Elective	3
300-499	Upper Division Elective	3
	Lower Division Elective	3
	Lower Division Elective	3
	Lower Division Elective	3
	Lower Division Elective	3
	Lower Division Elective	1
	GENERAL EDUCATION REQUIREMENTS	
	Met with coursework in AA/AS Degree from JCC	
	Total Credits at SUNY Oswego	56*
*Credits needed are dependent on course choices. Students must complete a minimum of 120 credits and have 42 upper division credits to graduate from Oswego with a BA in Mathematics.		

Notes:
Students who transfer to Oswego after completing SUNY General Education (SUNY-GER, July 2010 or SUNY GE, Fall 2023) or the equivalent at a previous institution (or institutions) are exempt from all of Oswego's specific general education requirements.

Bachelor's degree graduation requirements:

- 120-128 credits, depending on major
- Minimum of 30 credits and ½ the major completed at Oswego
- 42 upper division credits (300-400 level courses)
- no more than 54 hours in any one discipline can count towards a BA degree

TERMS

Jefferson Community College agrees to promulgate information and to advise interested students of the provision of general and specific sections of this agreement.

Qualified transfer students will be able to complete degree requirements with a normal load in four semesters in the program identified.

The **State University of New York at Oswego** agrees to accept as juniors those students who have successfully completed the courses outlined in the degree program identified in this agreement. The grade point average for **Jefferson Community College** degree graduates for acceptance to **State University of New York at Oswego** shall be 2.3 or above.

Students must attain a grade of C- or better in all 200 level mathematics courses applied to the major at the **State University of New York at Oswego** for transfer credits. "D" grades in other courses will be applied as elective credit.

On a routine basis, faculty and administrative staff from both institutions will confer on matters of curriculum content and other program details.

Review/Revision Agreement

This agreement will become effective upon signature and shall be reviewed in three years or when substantive changes are made in the curriculum on either campus.

APPROVED FOR:

JEFFERSON COMMUNITY COLLEGE

Daniel J. Dupee, Ed.D. — Date: 8/27/25
President

Carey L. Goyette — Date: 8/26/2025
Provost, Vice President of Academic and Student Affairs

Donna Stevenson — Date: 7/25/2025
Associate Vice President of STEM, Health Professions and Business

STATE UNIVERSITY OF NEW YORK AT OSWEGO

Peter O. Nwosu, Ph.D., — Date: 10/16/25
President

Scott R. Furlong, Ph.D., — Date: 8/27/2025
Provost, Vice President for Academic Affairs

Kristin Croyle, Ph. D., — Date: 9/30/2025
Dean, College of Liberal Arts and Sciences