AGREEMENT
FOR
TRANSFER ARTICULATION
BETWEEN

STATE UNIVERSITY OF NEW YORK AT OSWEGO
BACHELOR OF SCIENCE in COMPUTER SCIENCE

AND

SUNY BROOME COMMUNITY COLLEGE
ASSOCIATE OF SCIENCE in COMPUTER SCIENCE

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INTRODUCTION

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

OBJECTIVES

* To attract qualified students to SUNY Broome 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

SUNY Broome Community College Computer Science A.S.			State University of New York at Oswego Computer Science B.S.		

Equivalency Table

Course #	Course Title	Credits		Course #	Course Title	Credits
	PED Elective	1			Elective	1
CST 113	Introduction to Programming	3		CST 120	Introduction to Programming & Programming Languages	3
CST 117	Problem Solving & Communication Tools	3			Elective	3
CST 119	Computer Concepts & Applications	3		CSC 101	Tools for Computing	3
ENG 110	College Writing I	3		ENG 102	Composition II	3
MAT 181	Calculus I	4		MAT 210	Calculus I	4
	General Education Elective	3			SUNY General Education	3
	General Education Elective	3			SUNY General Education	3
CST 133	Structured Programming	3			Elective	3
CST 170	Digital Logic	3		CSC 222	Computer Organization & Programming	3
MAT 182	Calculus II	4		MAT 220	Calculus II	4
	General Education Elective	3			SUNY General Education	3
	Natural Sciences Sequence (Recommended PHY 161/181 or CHM 145)	4		PHY 111/112 or CHE 111	College Physics I/General University Physics I OR General Chemistry (Recommended)	4
CST 150	Object Oriented Programming	3		CSC 212	Principles of Programming	3
CST 220	Microprocessors & Assembly Language Programming	3			Elective	3
MAT 250	Discrete Mathematics	4		MAT 215	Introduction to Discrete Mathematics	4
	Natural Sciences Sequence (Recommended PHY 162/182 or CHM 146	4		PHY 212/213 or CHE 212	College Physics II/General University Physics II OR General Chemistry II (Recommended)	4
CST 202	Data Structures	3		CSC 241	Abstract Data Types & Programming Methods	3
CST 225	Introduction to Small Systems	3			Elective	3
ENG 220	Communicating About Ideas and Values	3			Elective	3
	TOTAL CREDITS	63			**TOTAL CREDITS TRANSFERRED**	63

Remaining Coursework
SUNY Broome Community College: Computer Science A.S.
SUNY Oswego: Computer Science B.S.

Course #	Course Title	Credits/Transferred
	MAJOR CORE REQUIREMENTS (24 cr)	
CSC 212	Principles of Programming	Transferred (CST 150)
CSC 221	Foundations of Computer Science	3
CSC 241	Abstract Data Types and Programming Methodology	Transferred (CST 202)
ISC 300	Ethics and Social Policy in the Digital Age	3
CSC 322	Systems Programming	3
CSC 344	Programming Languages	3
CSC 365	Data Structures and Algorithms	3
CSC 380	Software Engineering	3
	MAJOR ELECTIVE REQUIREMENTS (18 cr)	
Select 3 courses	CSC 435 Web Services CSC 444 Compiler Construction CSC 444 Compiler Construction CSC 445 Computer Networks CSC 454 System Simulation and Virtual Worlds CSC 455 Computer Game Programming CSC 459 Data Base Management Systems CSC 466 Artificial Intelligence and Heuristic Programming CSC 473 Internet of Things (IOT)/Sensors CSC 474 Image Processing CSC 480 Software Design CSC 482 Software Deployment CSC 495 - Software Engineering Project Seminar I Credit: 3	9
Select 3 courses	Select (9 cr) three additional Computer Science Department courses at the 300- or 400- level, under advisement.	9
	COGNATE REQUIREMENTS (31 cr)	
MAT 210	Calculus I	Transferred (MAT 181)
MAT 215	Introduction to Discrete Mathematics	Transferred (MAT 250)
MAT 220	Calculus II	Transferred (MAT 182)
Select 1: MAT 318 or MAT 354	Statistics in the Sciences Mathematical Statistics A	3
Select 3 courses	Select nine credit hours in Mathematics or Natural Sciences, under advisement, different from the following sequence choice	
Select one sequence:	Sequence 1. PHY 111 - College Physics I Credit: 4 PHY 212 - College Physics II Credit: 4 Sequence 2. PHY 112 - General University Physics I Credit: 4 PHY 213 - General University Physics II Credit: 4 Sequence 3.	Transferred (PHY 161/181 & PHY 162/182 or CHM 145 & 146)

	CHE 111 - General Chemistry Credit: 4 CHE 212 - General Chemistry II Credit: 4 Sequence 4. BIO 120 - Molecular and Cellular Foundations Credit: 4 One 300-level BIO course, under advisement	
	GRADUATION REQUIREMENTS*	
300-499	Upper Division Elective/General Elective	3
300-499	Upper Division Elective/General Elective	3
*Electives needed are dependent on course choices. Transfers from SUNY Broome must complete a minimum of 120 credits and have 42 upper division credits to graduate from Oswego with a BS in Computer Science.		
	GENERAL EDUCATION REQUIREMENTS	
	Met with AS Degree from SUNY Broome	
	Total Credits at SUNY Oswego	57

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)

TERMS

SUNY Broome 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 **SUNY Broome 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 core courses applied to 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.
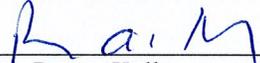
Review/Revision Agreement

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:

SUNY BROOME COMMUNITY COLLEGE
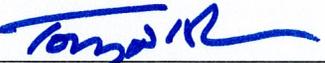
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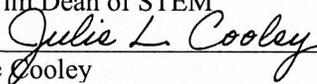Dr. Tony Hawkins   Date
President, SUNY Broome Community College

_____   11/14/23
Dr. Penny Kelly   Date
Vice President for Academic Affairs, SUNY Broome Community College

_____   10/31/23
Dr. Christine Martey-Ochola   Date
Interim Dean of STEM

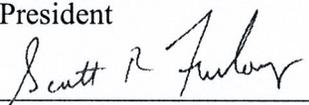_____   10/31/2023
Julie Cooley   Date
Assistant Professor/Chairperson for Computer Science

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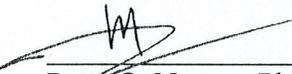
_____   10/30/23
Peter O. Nwosu, Ph.D.,   Date
President

_____   10/27/2023
Scott R. Furlong, Ph.D.,   Date
Provost, Vice President for Academic Affairs
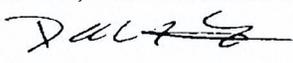
_____   10/23/2023
Douglas Lea, Ph.D.,   Date
Professor and Chair, Department of Computer Science