College of Engineering and Applied Sciences

MVCC Course #	Course Title	SUNY Gen Ed	Major or Pathway	Credits Granted	UAlbany Course #	Equivalent Course Title	SUNY Gen Ed	Major or Pathway	Credits Accepted
	Mohawk Valley Community College — Computer Science					**University at Albany** — Computer Science B.A.			
CF100	College Foundations Seminar (1)			1	QNCRE00	No Credit Given at UAlbany			0
CI110	Principles of Programming		X	3	ICSI 201	Introduction to Computer Science		X	3
CI130	Programming in C++			3	ICSIE00	Computer Science Elective – no credit given in major/minor			3
EN101	English 1: Composition	X		3	ANEG 100Z	Introduction to Analytical Writing	X		3
MA151	Calculus 1	X	X	4	AMAT 112	Calculus I	X	X	4
	Core GE Social Science (A)	X		3		SUNY Gen Ed Social Science	X		3
	Physical Education			.5		General Elective Credit			.5
CI230	Data Structures		X	3	ICSI 213	Data Structures		X	3
EN102	English 2:Ideas & Values in Literature	X		3	AENG 121	Reading Literature	X		3
MA152	Calculus 2	X	X	4	AMAT 113	Calculus II	X	X	4
PH115	Science of Multimedia			4	ACASE10	100-Level Arts and Sciences Elective			3
	GE Social Science (A)	X		3		SUNY Gen Ed Social Science	X		3
	Physical Education			.5		General Elective Credit			.5
	Physics Elective (B)			4		SUNY Gen Ed Science	X		4
CI245	JAVA Programming			3	ICSI 205	Object Oriented Programming for Data Processing Applications			3
CI285	Systems Operations & Management			3	BFOR 419	System Administration & Operating Systems Concepts			3
MA275	Discrete Algebraic Structures		X	4	ICSI/ICEN 210	Discrete Structures		X	4
	Physical Education			.5		General Elective Credit			.5
CI260	Microcomputer Programming			3	ICSIE00	Computer Science Elective – no credit given in major/minor			3
CI271	Database Design & Implementation			3	BFOR 205	Introduction to Database Systems			3
	Physics Elective (B)			4		SUNY Gen Ed Science	X		4
	Elective (C)			3		General Elective Credit			3
	Physical Education			.5		General Elective Credit			.5
						Total Credits Eligible for Transfer			61
						Additional Required and Elective Courses for the Major at UAlbany			
						Challenges of the 21st Century	X	X	3
					ICSI 311 or ICSI 405	Principles of Programming Languages or Object Oriented Programming Principles and Practices		X	3
					ICSI/ICEN 333	Programming at the Hardware Software Interface		X	4
					ICSI 402 or ICSI 418 (2)	Systems Programming or Software Engineering		X	3
					ICSI/ICEN 404	Computer Organization		X	3
					AMAT 367	Discrete Probability		X	3
						Computer Science Electives (3)		X	6
						Elective Credits Required for Degree Completion		X	10-16
					Minor	A Minor is required at UAlbany (4)		X	18-24
	Total credits required for degree completion at MVCC			**62**					

Total Credits required at UAlbany	59
Total Credits Applied to Program	61
Total Credits Required for Degree	120

(A)GE Social Science (choose one): AN 101, BM 101, GE 101, PS 101, PY 101, or SO 101
(B) Physics Elective (choose one sequence): PH 151 & PH 152 or PH 261 & PH 262
(C)Elective: with permission of advisor
(1)The University at Albany does not accept transfer credit for College Foundations Seminar courses.
(2)Another intensive software development course may be substituted upon approval from the department.
(3)Students must select two ICSI courses number 400-470, 500-550, or courses specifically approved by the department.
(4)Minor must be approved and cannot have overlap with courses within the major.

A transfer student admitted to the University at Albany who has completed his/her A.A. or A.S. degree will be given credit for meeting SUNY's General Education requirements.

A grade of C or S or better in courses ICSI/ICEN 210, ICSI/ICEN 213, and ICSI/ICEN 333 or their transfer equivalents is a prerequisite for certain succeeding courses that are required in the program. Interested students should check the course descriptions for details. In unusual situations, such prerequisites might be waived by the department on recommendation of the succeeding course instructor. Students who do not achieve B or better grades in ICSI/ICEN 201, ICSI/ICEN 213, and ICSI/ICEN 333 are strongly advised to consider other majors besides Computer Science because such students may not successfully complete upper level Computer Science courses required for graduation.

Agreement Effective October 2018- October 2019