

Mohawk Valley Community College Computer Science					University at Albany Computer Science and Applied Mathematics B.S. (Combined Major/Minor)				
Course #	Course Title	SUNY Gen Ed	Major or Pathway	Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed	Major or Pathway	Credits Accepted
CF100	College Foundations Seminar			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
	Core GE Social Science (A)			3		SUNY Gen Ed Social Science	X		3
	Physical Education			.5		General Elective Credit			.5
	Physics Elective (C)	X		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			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 21 st Century	X	X	3
						ICSI/ICEN 333 Programming at the Hardware Software Interface		X	4
						ICSI 403 Algorithms and Data Structures		X	3
						AMAT 214 Calculus of Several Variables		X	4
						AMAT 220 Linear Algebra		X	3
						Elective Credits Required for Degree Completion		X	9
						Concentration (3)		X	33
				Total credits required for degree completion at MVCC	Total Credits required at UAlbany				59
				62	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)This course is suggested because it meets a requirement for the major at UAlbany upon transfer.

(3)Students must select from either the General Concentration or Data Analytics Concentration.

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.