

KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: Department of Mathematics & Computer Science Date: 9/01/2026

Title Of Course/Degree/Concentration/Certificate: Computer Science, A.S.

Change(s) Initiated: (Please check)

- | | |
|--|---|
| ☐ Closing of Degree | ☒ Change in Degree or Certificate |
| ☐ Closing of Certificate | ☐ Change in Degree: Adding Concentration |
| ☐ New Certificate Proposal | ☐ Change in Degree: Deleting Concentration |
| ☐ New Degree Proposal | ☐ Change in Prerequisite, Corequisite, and/or Pre/Co-requisite |
| ☐ New Course | ☐ Change in Course Designation |
| ☐ New 82 Course (Pilot Course) | ☐ Change in Course Description |
| ☐ Deletion of Course(s) | ☐ Change in Course Title, Number, Credits and/or Hours |
| | ☐ Change in Academic Policy |
| | ☐ Pathways Submission: |
| | ☐ Life and Physical Science |
| | ☐ Math and Quantitative Reasoning |
| | ☐ A. World Cultures and Global Issues |
| | ☐ B. U.S. Experience in its Diversity |
| | ☐ C. Creative Expression |
| | ☐ D. Individual and Society |
| | ☐ E. Scientific World |
| ☐ Change in Program Learning Outcomes | |
| ☐ Other (please describe): _____ | |

PLEASE ATTACH MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

DEPARTMENTAL ACTION

Action by Department and/or Departmental Committee, if required:

Date Approved: _____ Signature, Committee Chairperson: _____

If submitted Curriculum Action affects another Department, signature of the affected Department(s) is required:

Date Approved: _____ Signature, Department Chairperson: _____

Date Approved: _____ Signature, Department Chairperson: _____

I have reviewed the attached material/proposal

Signature, Department Chairperson: Rina Garmish



TO: Fall 2026 Curriculum Committee

FROM: Prof. Yarmish, Chair, Department of Mathematics & Computer Science

DATE: 9/1/2026

RE: Change in Degree Requirements for Computer Science, A.S.

The Department of Mathematics & Computer Science is proposing a change in Degree Requirements for Computer Science, A.S.

Change in number of credits:

CS 13A0 - Advanced Programming Techniques

Change in number of credits:

MAT/BA 2200 - Business Statistics

Rationale for Change: The changes are due to a change in the number of credits assigned to the courses.

Add/Delete/Change	A.S. COMPUTER SCIENCE	
	Department: Mathematics and Computer Sciences	
	HEGIS: 5103.00	
	PROGRAM CODE: 01040	
		CREDITS
	<u>REQUIRED CORE:</u> (4 Courses, 12 Credits)	12
	When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.	
	ENG 1200 - English Composition I	3
	ENG 2400 - English Composition II	3
	Mathematical and Quantitative Reasoning* ^{1,2}	
	MAT 9010 - Introduction to Mathematics with College Algebra [^] or	3
	MAT 9B0 - College Algebra for STEM Majors [^] or	3
	MAT 900 - College Algebra [^] or	3
	MAT 1400 – Analytic Geometry and Pre-Calculus [^]	3
	MAT 1500 – Calculus I	3
	Life and Physical Sciences	3
	<u>FLEXIBLE CORE:</u> (6 Courses, 18 Credits)	18
	When Flexible Core Courses are specified for a category, they are required for the major.	
	One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline	
	A. World Cultures & Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	Recommended: CIS 100 - Digital Society	3
	E. Scientific World * ¹	3
	MAT 1400 – Analytic Geometry and Pre-Calculus [^] or	
	MAT 1500 – Calculus I or	
	MAT 1600 – Calculus II	
	AND	
	CS 1200 - Introduction to Computing [^]	
CHANGE:	<u>MAJOR REQUIREMENTS:</u> (7-9 Courses, ~~24-30~~ 22-29 Credits)	~~24-30~~ 22-29
CHANGE:	CS 13A0 - Advanced Programming Techniques	~~04~~ 3
	CS 1400 - Computer Organization and Assembly Language Programming	4
	CS 3500 - Discrete Structures	3
	CS 3700 - Data Structures	3
	MAT 5600 - Linear Algebra	3
	AND	
	MAT/BIO 9100 - Biostatistics	4
	OR	
CHANGE:	MAT/BA 2200 - Business Statistics	~~04~~ 3

	If not taken for Required Core or Flexible Core:	
	MAT 1500 - Calculus I	3
	MAT 1600 - Calculus II	3
	Select ONLY ONE (1) of the two options below based on initial Math Placement**	
	<u>Option 1:</u> (1 Course, 3 Credits)	
	If student's initial Mathematics Placement is <u>below</u> MAT 1500	
	MAT 1000 - College Trigonometry 3 Credit(s)	3
	<u>Option 2:</u> (1 Course, 3 Credits)	
	If student's initial Mathematics Placement is MAT 1500	
	MAT 2100 - Calculus III	3
CHANGE:	<u>ELECTIVES:</u> ~~0-6~~ 1-8 credits sufficient to total 60 credits for the degree.	~~0-6~~ 1-8
	<u>TOTAL:</u>	
		60
	^ Depending on Math placement, students may be required to complete MAT 9010 or MAT 9B0 or MAT 900 and/or MAT 1000 and MAT 1400	
	** Consultation with the Mathematics Department is HIGHLY recommended to ensure that the student selects the correct option	
	*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.	

Add/Delete/Change	A.S. COMPUTER SCIENCE	
	Department: Mathematics and Computer Sciences	
	HEGIS: 5103.00	
	PROGRAM CODE: 01040	
		CREDITS
	<u>REQUIRED CORE:</u> (4 Courses, 12 Credits)	12
	When Required Core courses are specified for a category, they are strongly suggested and/or required for the major.	
	ENG 1200 - English Composition I	3
	ENG 2400 - English Composition II	3
	Mathematical and Quantitative Reasoning* ^{1,2}	
	MAT 9010 - Introduction to Mathematics with College Algebra ^ or	3
	MAT 9B0 - College Algebra for STEM Majors ^ or	3
	MAT 900 - College Algebra ^ or	3
	MAT 1400 – Analytic Geometry and Pre-Calculus ^	3
	MAT 1500 – Calculus I	3
	Life and Physical Sciences	3
	<u>FLEXIBLE CORE:</u> (6 Courses, 18 Credits)	9
	When Flexible Core Courses are specified for a category, they are required for the major.	
	One course from each Group A to D (Group E is satisfied by the courses shown). No more than two courses can be selected from the same discipline	
	A. World Cultures & Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	Recommended: CIS 100 - Digital Society	3
	E. Scientific World * ¹	3
	MAT 1400 – Analytic Geometry and Pre-Calculus ^ or	
	MAT 1500 – Calculus I or	
	MAT 1600 – Calculus II or	
	MAT 1600 – Calculus II	
	AND	
	CS 1200 - Introduction to Computing ^	
CHANGE:	<u>MAJOR REQUIREMENTS:</u> (7-9 Courses, 22-29 Credits)	22-29
CHANGE:	CS 13A0 - Advanced Programming Techniques	3
	CS 1400 - Computer Organization and Assembly Language Programming	4
	CS 3500 - Discrete Structures	3
	CS 3700 - Data Structures	3
	MAT 5600 - Linear Algebra	3
	AND	
	MAT/BIO 9100 - Biostatistics	4

	OR	
CHANGE:	MAT/BA 2200 - Business Statistics	3
	If not taken for Required Core or Flexible Core:	
	MAT 1500 - Calculus I	3
	MAT 1600 - Calculus II	3
	Select ONLY ONE (1) of the two options below based on initial Math Placement**	
	Option 1: (1 Course, 3 Credits)	
	If student's initial Mathematics Placement is below MAT 1500	
	MAT 1000 - College Trigonometry 3 Credit(s)	3
	Option 2: (1 Course, 3 Credits)	
	If student's initial Mathematics Placement is MAT 1500	
	MAT 2100 - Calculus III	3
CHANGE:	<u>ELECTIVES: 1 - 8</u> credits sufficient to total 60 credits for the degree.	1 - 8