

KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: _____ **Date:** _____

Title Of Course/Degree/Concentration/Certificate: _____

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:** _____

Date Approved: _____ **Signature, Department Chairperson:** _____

Date Approved: _____ **Signature, Department Chairperson:** _____

Date Approved: _____ **Signature, Department Chairperson:** _____

I have reviewed the attached material/proposal

Signature, Department Chairperson: _____ *Rina Garmish*



TO: Fall 2025 Curriculum Committee

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

DATE: 9/4/2025

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

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

ADD to Required Core Mathematical and Quantitative Reasoning as a course option:

MAT 1400 – Analytic Geometry and Pre-Calculus

ADD to Flexible Core Scientific World as a course option:

MAT 1500 – Calculus I

ADD as degree requirement:

MAT/BA 2200 - Business Statistics (formerly was an option in Flexible Core: Scientific World requirement)

ADD note:

Students that have an initial math placement of MAT 1400 are required to complete MAT 1400 to fulfill the Required Core: Mathematical & Quantitative Reasoning requirement and MAT 1500 to fulfill the Flexible Core: Scientific World requirement.

ADD note:

Students that have an initial math placement of MAT 1500 are required to consult with the chairperson of the Department of Mathematics and Computer Science for course substitutions that are consistent with the educational goals of the program.

Remove degree Requirement:

HE 1400 - Critical Issues in Personal Health



Rationale for Change: Course placement policy clarification. This adjustment will clarify degree satisfaction criteria for students whose initial placement upon entering is MAT 1400 (Analytic Geometry and Pre-Calculus Mathematics). Additionally, this adjustment requires students to take MAT/BA 2200 (Business Statistics) as most senior colleges require Statistics.

Add/Delete/Change	A.A.S. COMPUTER INFORMATION SYSTEMS	
	Department: Mathematics and Computer Sciences	
	HEGIS: 5101.00	
	PROGRAM CODE: 01055	
		CREDITS
	REQUIRED CORE: (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
CHANGE	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
CHANGE	MAT 900 - College Algebra ^ or	3
ADD	MAT 1400 – Analytic Geometry and Pre-Calculus ^	3
	Life and Physical Sciences	3
CHANGE	FLEXIBLE CORE: (3 Courses, 9-10 9 Credits)	-9-10 9
	When Flexible Core Courses are specified for a category, they are required for the major.	
CHANGE	Select one (1) course from Groups A to C for a total of three (3) credits. Groups D and E are satisfied by the courses shown (6-to-7 6 credits). Each Course Must be in a Different Discipline	
	A. World Cultures & Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	CIS 100 - Digital Society	3
CHANGE	E. Scientific World * ¹	
	MAT 1400 - Analytic Geometry and Pre-Calculus ^ or	3
DELETE	MAT/BA 2200 – Business Statistics	4
ADD	MAT 1500 - Calculus I ^	3
CHANGE	MAJOR REQUIREMENTS: (11 Courses, 37-to-38 39 Credits)	-37--38- 39
	CP 500 - Introduction to Computer Programming	4
	CP 2100 - C++ Programming I	4
	CP 2200 - C++ Programming II	4
	CIS 1200 - Introduction to Operating Systems	3
	CIS 1500 - Applied Computer Architecture	3
	CIS 3100 - Introduction to Database	3
DELETE	ACC 1100 – Fundamentals of Accounting I or	3-4
CHANGE	BA 1100 - Fundamentals of Business or BA 1200 - Business Law I	3
DELETE	BA 1200 - Business Law I	3
DELETE	HE 1400 – Critical Issues in Personal Health	1
ADD	MAT/BA 2200 - Business Statistics	3
	AND	

	Select three (3) courses from the following	12
	CP 6200 - JAVA Programming 2 (CP 6200)	4
	CIS 2100 - Introduction to Webpage Development (CIS 2100)	4
	CIS 2200 - HTML Authoring and JavaScript (CIS 2200)	4
	CIS 3200 - Advanced Database Programming (CIS 3200)	4
	CIS 4500 - Network Server Administration (CIS 4500)	4
CHANGE	ELECTIVES: 0-2 0 credits sufficient to total 60 credits for the degree.	
	TOTAL:	60
ADD	¹ Students that have an initial math placement of MAT 1400 are required to complete MAT 1400 to fulfill the Required Core: Mathematical & Quantitative Reasoning requirement and MAT 1500 to fulfill the Flexible Core: Scientific World requirement.	
ADD	² Students that have an initial math placement of MAT 1500 are required to consult with the chairperson of the Department of Mathematics and Computer Science for course substitutions that are consistent with the educational goals of the program.	
CHANGE	[^] Depending on Math placement, students may be required to complete MAT 9010, or MAT 9B0 , or MAT 900 , and MAT 1400; OR MAT 1400 and MAT 1500.	
	*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.A.S. COMPUTER INFORMATION SYSTEMS	
	Department: Mathematics and Computer Sciences	
	HEGIS: 5101.00	
	PROGRAM CODE: 01055	
		CREDITS
	REQUIRED CORE: (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
	Life and Physical Sciences	3
	FLEXIBLE CORE: (3 Courses, 9 Credits)	9
	When Flexible Core Courses are specified for a category, they are required for the major.	
	Select one (1) course from Groups A to C for a total of three (3) credits. Groups D and E are satisfied by the courses shown (6 credits). Each Course Must be in a Different Discipline	
	A. World Cultures & Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	CIS 100 - Digital Society	3
	E. Scientific World * ¹	
	MAT 1400 – Analytic Geometry and Pre-Calculus ^ or	3
	MAT 1500 – Calculus I ^	3
	MAJOR REQUIREMENTS: (11 Courses, 39 Credits)	39
	CP 500 - Introduction to Computer Programming	4
	CP 2100 - C++ Programming I	4
	CP 2200 - C++ Programming II	4
	CIS 1200 - Introduction to Operating Systems	3
	CIS 1500 - Applied Computer Architecture	3
	CIS 3100 - Introduction to Database	3
	BA 1100 - Fundamentals of Business or BA 1200 - Business Law I	3
	MAT/BA 2200 - Business Statistics	3
	AND	
	Select three (3) courses from the following	12
	CP 6200 - JAVA Programming 2 (CP 6200)	4

	CIS 2100 - Introduction to Webpage Development (CIS 2100)	4
	CIS 2200 - HTML Authoring and JavaScript (CIS 2200)	4
	CIS 3200 - Advanced Database Programming (CIS 3200)	4
	CIS 4500 - Network Server Administration (CIS 4500)	4
	ELECTIVES: 0 credits sufficient to total 60 credits for the degree.	
	TOTAL:	60
	¹ Students that have an initial math placement of MAT 1400 are required to complete MAT 1400 to fulfill the Required Core: Mathematical & Quantitative Reasoning requirement and MAT 1500 to fulfill the Flexible Core: Scientific World requirement.	
	² Students that have an initial math placement of MAT 1500 are required to consult with the chairperson of the Department of Mathematics and Computer Science for course substitutions that are consistent with the educational goals of the program.	
	[^] Depending on Math placement, students may be required to complete MAT 9010, or MAT 9B0 , or MAT 900 , and MAT 1400; OR MAT 1400 and MAT 1500.	
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