

KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: Math and Computer Science Date: 01/14/2019

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

Change(s) Initiated: (Please check)

- | | |
|---|---|
| <input type="checkbox"/> Closing of Degree | <input checked="" type="checkbox"/> Change in Degree or Certificate |
| <input type="checkbox"/> Closing of Certificate | <input type="checkbox"/> Change in Degree: Adding Concentration |
| <input type="checkbox"/> New Certificate Proposal | <input type="checkbox"/> Change in Degree: Deleting Concentration |
| <input type="checkbox"/> New Degree Proposal | <input type="checkbox"/> Change in Prerequisite, Corequisite, and/or Pre/Co-requisite |
| <input type="checkbox"/> New Course | <input type="checkbox"/> Change in Course Designation |
| <input type="checkbox"/> New 82 Course (Pilot Course) | <input type="checkbox"/> Change in Course Description |
| <input type="checkbox"/> Deletion of Course(s) | <input type="checkbox"/> Change in Course Title, Number, Credits and/or Hours |
| | <input type="checkbox"/> Change in Academic Policy |
| | <input type="checkbox"/> Pathways Submission: |
| | <input type="checkbox"/> Life and Physical Science |
| | <input type="checkbox"/> Math and Quantitative Reasoning |
| | <input type="checkbox"/> A. World Cultures and Global Issues |
| | <input type="checkbox"/> B. U.S. Experience in its Diversity |
| | <input type="checkbox"/> C. Creative Expression |
| | <input type="checkbox"/> D. Individual and Society |
| | <input type="checkbox"/> 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: R. Yau 1/16/2019



TO: Spring 2019 Curriculum Committee
FROM: Department of Mathematics & Computer Science
DATE: 01/14/2019
RE: Change in Degree Requirements for the A.S. in Computer Science

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

Rationale for Change:

Adjustments to degree requirements per:

1. Credit change for: MAT 1400, MAT 1500, MAT 1600, CS 1200, CS 3500, and CS 3700.
2. Allowing for the option of taking MAT 9A0.
3. Removal of MAT 2100.

Add/Delete/Change	A.S. COMPUTER SCIENCE	
	Department: Mathematics and Computer Sciences	
	HEGIS: 5103.00	
	PROGRAM CODE: 01041	
	CUNY CORE	CREDITS
CHANGE	REQUIRED CORE: (4 Courses, 13 12 Credits)	13 12
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - English Composition I	3
	ENG 2400 - English Composition II	3
CHANGE	Mathematical and Quantitative Reasoning ^{*A} :	04 3
ADD	MAT 900 - College Algebra^A or	
ADD	MAT 9A0 - Algebra for STEM Majors^A or	
ADD	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^A or	
CHANGE (CREDITS)	MAT 1500 - Calculus I	3
	Life and Physical Sciences	3
CHANGE	FLEXIBLE CORE:	20 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 and Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
CHANGE	E. Scientific World ^{*A} :	
ADD & CHANGE (CREDITS)	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^A or	04 3
ADD & CHANGE (CREDITS)	MAT 1500 - Calculus I or	04 3
CHANGE (CREDITS)	MAT 1600 - Calculus II	04 3
	AND	
CHANGE (CREDITS)	CS 1200 - Introduction to Computing	04 3
CHANGE	Major Requirements (7 - 9 Courses, 27 24 - 30 Credits)	
	CS 13A0 - Advanced Programming Techniques	4
	CS 1400 - Computer Organization and Assembly Language Programming	4
CHANGE (CREDITS)	CS 3500 - Discrete Structures	04 3
CHANGE (CREDITS)	CS 3700 - Data Structures	04 3
DELETE	MAT 2100 - Calculus III	4
	MAT 5600 - Linear Algebra	3
	MAT 9100/BIO 9100 - Biostatistics or	4

Add/Delete/Change	A.S. COMPUTER SCIENCE	
	Department: Mathematics and Computer Sciences	
	HEGIS: 5103.00	
	PROGRAM CODE: 01041	
	CUNY CORE	CREDITS
	REQUIRED CORE: (4 Courses, 12 Credits)	12
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - English Composition I	3
	ENG 2400 - English Composition II	3
	Mathematical and Quantitative Reasoning* ^:	3
	MAT 900 - College Algebra^A or	
	MAT 9A0 - Algebra for STEM Majors^A or	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^A or	
	MAT 1500 - Calculus I	
	Life and Physical Sciences	3
	FLEXIBLE CORE:	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 and Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	E. Scientific World*^:	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^A or	
	MAT 1500 - Calculus I or	
	MAT 1600 - Calculus II	
	AND	
	CS 1200 - Introduction to Computing	
	Major Requirements (7 - 9 Courses, 24 - 30 Credits)	
	CS 13A0 - Advanced Programming Techniques	4
	CS 1400 - Computer Organization and Assembly Language Programming	4
	CS 3500 - Discrete Structures	3
	CS 3700 - Data Structures	3
	MAT 5600 - Linear Algebra	3
	MAT 9100/BIO 9100 - Biostatistics or	4
	MAT 2200/BA 2200 - Business Statistics	
	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 these two options below based on initial Mathematics Placement:**	3

