KINGSBOROUGH COMMUNITY COLLEGE The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department:	Date:
Title Of Course/Degree/Concentration/Cert	ificate:
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 O	utcomes
☐ Other (please describe):	
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PLEASE ATTACH MATERIAL TO ILLU	JSTRATE AND EXPLAIN ALL CHANGES
DEPARTMENTAL ACTION	
BEI METHENTAL ACTION	
Action by Department and/or Department	rtmental Committee, if required:
Date Approved:Sign	nature, Committee Chairperson:
If submitted Curriculum Action afformation required:	ects another Department, signature of the affected Department(s) is
Date Approved:Sign	nature, Department Chairperson:
Date Approved:Sign	nature, Department Chairperson:
I have reviewed the attached materi	al/proposal
Signature, Department Chairperson	n: Rina Garmish
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TO: Special Meeting of the Curriculum Committee Meeting

FROM: Dr. Rina Yarmish Chair, Department of Mathematics and Computer Science

DATE: 2/17/22

RE: Degree Change for the A.S. Mathematics

The Department of Mathematics and Computer Science is proposing a degree change for the A.S. Mathematics

Change:

- 1. Under Required Core, Mathematics and Quantitative Reasoning, the **addition** of MAT 9010 Introduction to Mathematics with College Algebra
- 2. Addition of MAT 9010 in the note section discussing placement

Rationale for Change:

CUNY had mandated the elimination of stand-alone developmental courses effective Fall 2022. MAT 9010 replaces the developmental pathway of MAT M100 to MAT M200 to MAT R300 that lead to MAT 900. The above changes to the degree requirements reflect this pathway.

CURRENT

Add/Delete/Change	A.S. MATHEMATICS	
	Department: Mathematics and Computer Science	
	HEGIS: 5617.00	
	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 - Composition I	3
	ENG 2400 - Composition II	3
	Mathematical and Quantitative Reasoning:	3
ADD	MAT 9010 - Introduction to Mathematics with College Algebra^ or	
7100	MAT 900 - College Algebra or ^	
	MAT 9B0 - College Algebra for STEM Majors^	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
	MAT 1500 – Calculus I	
	Life and Physical Sciences:	3
	Life and 1 Hysical Sciences.	<u> </u>
	FLEXIBLE CORE: (6 Courses, 18 Credits)	18
	<u> </u>	10
	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	
	E. Scientific World*A:	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
	MAT 1500 - Calculus I or	
	MAT 1600 - Calculus II	
	AND	
	CS 1200 - Introduction to Computing	
	Major Requirements (8 to 10 Courses, 24 to 30 Credits)	24 - 30
	MAT 2100 - Calculus III	3
	MAT 5500 - Differential Equations	3
	MAT 5600 - Linear Algebra	3
	MAT 9100/BIO 9100 - Biostatistics or	4
	MAT 2200/BA 2200 - Business Statistics	•
	CS 3500 - Discrete Structures	3
	MAT 3000 Introduction to Mathematical Concepts in Proof	1
	The state of the s	<u>'</u>
	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: **	7-8
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	OPTION 1:	
	OPTION 1: If student's initial Mathematics Placement is below MAT 1500:	3
	OPTION 1:	3

CURRENT

	CS 13A0 - Advanced Programming Techniques	4
	MAT 1100 - Finite Mathematics	4
	MAT 3200 - Introduction to Set Theory	4
	MAT 7100 - Applications of Linear Algebra and Vector Analysis	4
	OPTION 2:	
	If student's initial Mathematics Placement is MAT 1500:	
	Select two (2) courses from the following:	4
	CS 13A0 - Advanced Programming Techniques	4
	MAT 1100 - Finite Mathematics	4
	MAT 3200 - Introduction to Set Theory	4
	MAT 7100 - Applications of Linear Algebra and Vector Analysis	4
	ELECTIVES: 0 - 6 credits sufficient to total 60 credits for the degree.	0 - 6
	TOTAL:	60
	*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.	
CHANGE	^ Depending on Math placement, students may be required to complete MAT 900, or MAT 9010 or MAT 9B0, and/or MAT 1400 and MAT 1000.	
	**Consultation with the Mathematics Department is HIGHLY recommended to ensure that the student selects the correct option.	

PROPOSED

Add/Delete/Change	A.S. MATHEMATICS	
-	Department: Mathematics and Computer Science	
	HEGIS: 5617.00	
	PROGRAM CODE: 01041	
	CUNY CORE	CREDITS
	CONTCORE	CKEDIIS
	REQUIRED CORE: (4 Courses, 12 Credits)	12
	When Required Core Courses are specified for a category, they are required for the major	
	ENG 1200 - Composition I	3
	ENG 2400 - Composition II	3
	Mathematical and Quantitative Reasoning:	3
	MAT 9010 - Introduction to Mathematics with College Algebra^ or	
	MAT 900 - College Algebra or ^	
	MAT 9B0 - College Algebra for STEM Majors^	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
	MAT 1500 – Calculus I	
	Life and Physical Sciences:	3
	FLEXIBLE CORE: (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.	
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	A. World Cultures & Global Issues	
	B. U.S. Experience In Its Diversity	
	C. Creative Expression	
	D. Individual & Society	
	E. Scientific World*A:	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics^ or	
	MAT 1500 - Calculus I or	
	MAT 1600 - Calculus II	
	AND CC 1200 Introduction to Commuting	
	CS 1200 - Introduction to Computing	
	Major Requirements (8 to 10 Courses, 24 to 30 Credits)	24 - 30
	MAT 2100 - Calculus III	3
	MAT 5500 - Differential Equations	3
	MAT 5600 - Linear Algebra	3
	MAT 9100/BIO 9100 - Biostatistics or	4
	MAT 2200/BA 2200 - Business Statistics	
	CS 3500 - Discrete Structures	3
	MAT 3000 Introduction to Mathematical Concepts in Proof	1
	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: **	7-8
	OPTION 1:	7-8
	OPTION 1: If student's initial Mathematics Placement is below MAT 1500:	
	OPTION 1:	7-8

PROPOSED

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