KINGSBOROUGH COMMUNITY COLLEGE The City University of New York

CURRICULUM DATA TRANSMITTAL SHEET

DEPA	RTMENT	Mathematics	& Computer	Science	DATE	September 15, 2014	
Title o	f Course	or Degree Chan	nge: <u>A.S.</u>	Mathematics			
		s) Initiated: (P	lease check)	-			
	☐ Closi ☐ New (☐ New (☐ New (☐ Change) ☐ Delet	82 Course Certificate Prog ge in Pre/Co-Ro tion of Course	gram equisite	☑ Change in ☐ Change in ☐ Change in ☐ Change in	Degree Red Degree Red Discipline (Description Course Tit	equirements (adding conc Code 1 les, Numbers, Credits &/or	·
	PLEASE	ATTACH PERTII	NENT MATER	IAL TO ILLUSTRA	ATE AND EX	PLAIN ALL CHANGES	
I.	Action b		and/or Depa	rtmental Commi		()	
	Date app	proved <u>9/17/</u>	<u>∕</u> Signatur	e, Committee Ch	airperson:	M.	_
	Signatu	re, Department	Chair:	Ria L	Jan X		
п.	Provost t exercisin	FACTION TO act within 30 ag one of the followed Towed	lowing option	is:	•	le Curriculum Committee	
			nv)·				
III.		CULUM SUB-CO		_	`	NEW COURSES ONLY): aken by Curriculum Committe	e e)
							···)
						Date:	
IV.	<u>Colleg</u>	E-Wide Curr	uculum Co	MMITTEE ACTION	<u>ON</u>		
	Commit	ee to act within	30 days of re	ceipt, exercising	one of the f	ollowing options:	
	A. A	Approved	`	ded to Steering (Committee)	
		Sabled		ment notified)		•	
	C. I	Not Approved	☐ (Depart	ment notified)			
	Signatu	re, Chairpersoi	of Curricul	um Committee		Date:	

Revised/Winter 08

Rationale:

The course Introduction to Set Theory (MAT 3200) is an excellent option for Mathematics majors in terms of both learning and transfer viability.

A.S. MATHEMATICS

DEPARTMENT: Mathematics and Computer Sciences

TOTAL CREDITS: 60

Requirements for Matriculants

COLLEGE REQUIREMENTS

- Successful completion of CUNY Tests in Reading and Writing and the COMPASS Math Skills Test with passing examination scores, unless otherwise exempt, or developmental courses may be required.
- One (1) Writing Intensive course in any discipline from any category below is required. Participation in a Learning Community that includes ENG 1200 or 2400 also satisfies this requirement.
- Two (2) Civic Engagement experiences—satisfied by CE-Certified or CE-Component courses or approved outside activity. See Graduation Requirements in this catalog.

CUNY CORE

Courses approved at the time of this catalog's publication for CUNY Flexible Core, Groups A-D, are listed in the General Education: CUNY Pathways section on page 43, and identified in the Course section, beginning on page 99.

REQUIRED CORE

ENG 12003 credit	ts
ENG 2400	.3
Mathematical & Quantitative Reasoning	.4
MAT 1500 ⁺ or MAT 1600 or MAT/BIO 9100 ⁺	
or BA/MAT 2200 ⁺⁺	
Life and Physical Sciences	.3

FLEXIBLE CORE®

One course from each group, A – E, plus an additional course from group E. No more than two courses in the same discipline.

- A. World Cultures and Global Issues
- B. U.S. Experience in its Diversity
- C. Creative Expression
- D. Individual and Society
- E. Scientific World

MAT 1500⁺ or MAT 1600 or MAT/BIO 9100⁺ or BA/MAT 2200⁺⁺ or CS 1200⁺ or CS 13A0 (if not taken for Required Core)

Plus another course selected from <u>Group Elist above</u> (if not taken for Required or Hexible Core)

DEGREE REQUIREMENTS §

If not taken for the CUNY Required Core or Flexible Core, the following are required:

Calculus I and II and III (MAT 1500 and MAT 1600	
and MAT 2100) ⁺ 1	2 credits
Differential Equations (MAT 5500)+	3
Linear Algebra (MAT 5600) ⁺	3
Biostatistics (MAT/BIO 9100) ⁺ or	
Business Statistics (BA/MAT 2200)++	4
Introduction to Computing (CS 1200)+	4
Discrete Structures (CS 3500) ⁺	4
Choose two courses from: CS 13A0 or CS 1400)
or MAT 1100 ⁺	8
Critical Issues in Personal Health (HE 1400)	1 credit

- + COMPASS scores of 35 on Part II, 55 on Part II, 60 on Part III and 51 on Part V or pre-requisite courses required.
- ++ Passing score on Part I and minimum score of 45 on Part II of the COMPASS exam or prerequisite courses required.
- 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.
- § Consultation with the Department Advisor is required.

A.S. MATHEMATICS

DEPARTMENT: Mathematics and Computer Sciences
TOTAL CREDITS: 60

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ENG 24003
Mathematical & Quantitative Reasoning4
MAT 1500 ⁺ or MAT 1600 or MAT/BIO 9100 ⁺
or BA/MAT 2200 ⁺⁺
Life and Physical Sciences3

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One course from each group, A - E, plus an additional course from group E. No more than two courses in the same discipline.

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- B. U.S. Experience in its Diversity
- C. Creative Expression
- D. Individual and Society
- E. Scientific World

MAT 1500⁺ or MAT 1600 or MAT/BIO 9100⁺ or BA/MAT 2200⁺⁺ or CS 1200⁺ or CS 13A0 (if not taken for Required Core)

Plus another course selected from <u>Group Elist above</u> (if not taken for Required or Hexible Core)

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- § Consultation with the Department Advisor is required.