

KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM DATA TRANSMITTAL SHEET

DEPARTMENT Mathematics & Computer Science

DATE February 2, 2015

Title of Course or Degree Change: Change in requirements for the A.S. degree in Mathematics

Change(s) Initiated: (Please check)

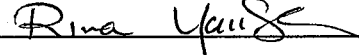
- | | |
|---|---|
| <input type="checkbox"/> Letter of Intent | <input type="checkbox"/> Proposal |
| <input type="checkbox"/> Closing of Degree Program | <input type="checkbox"/> Proposal (Letter of Intent sent previously) |
| <input type="checkbox"/> New Course* | <input checked="" type="checkbox"/> Change in Degree Requirements |
| <input type="checkbox"/> New 82 Course | <input type="checkbox"/> Change in Degree Requirements (adding concentration) |
| <input type="checkbox"/> New Certificate Program | <input type="checkbox"/> Change in Discipline Code |
| <input type="checkbox"/> Change in Pre/Co-Requisite | <input type="checkbox"/> Change in Description |
| <input type="checkbox"/> Deletion of Course | <input type="checkbox"/> Change in Course Titles, Numbers, Credits &/or Hours |
| <input type="checkbox"/> Other (please describe): _____ | |

PLEASE ATTACH PERTINENT MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

I. DEPARTMENTAL ACTION

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

Date approved 02/02/2015 Signature, Committee Chairperson: 

Signature, Department Chair: 

II. PROVOST ACTION

Provost to act within 30 days of receipt and forward to College-wide Curriculum Committee exercising one of the following options:

- A. Approved B. Returned to department with comments

Recommendations (if any): _____

Signature, Provost: _____ Date: _____

III. CURRICULUM SUB-COMMITTEE RECOMMENDATIONS (*FOR NEW COURSES ONLY):

- A. Approved B. Tabled (no action to be taken by Curriculum Committee)

Recommendations (if any): _____

Signature, Sub-Committee Chair: _____ Date: _____

IV. COLLEGE-WIDE CURRICULUM COMMITTEE ACTION

Committee to act within 30 days of receipt, exercising **one** of the following options:

- A. Approved (forwarded to Steering Committee)
B. Tabled (Department notified)
C. Not Approved (Department notified)

Signature, Chairperson of Curriculum Committee _____ Date: _____

From: **Choose two courses from:** CS 13A0 or CS 1400
or MAT 1100⁺ or MAT 3200⁺.....8

To: **Choose two courses from:** CS 13A0 or CS 1400
or MAT 1100⁺ or MAT 3200⁺ or MAT 7100⁺.....8

Rationale: This is an elective course for mathematics majors, and will serve to satisfy a major requirement in the category "choose two of the following" in the curricular specifications AS degree in Mathematics.

The addition of MAT 710 to the current list will broaden students' choices and will provide excellent preparation for continued study of the subject matter in a baccalaureate program.

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 1200.....	3 credits
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 Group E list above (if not taken for Required or Flexible 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) ⁺	12 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 ⁺ or MAT 3200 ⁺	8
Critical Issues in Personal Health (HE 1400)	1 credit

+ COMPASS scores of 35 on Part I, 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.

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