

KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York
CURRICULUM DATA TRANSMITTAL SHEET

DEPARTMENT: **PHYSICAL SCIENCES**

DATE: **Spring 2019**

Title of Course or Degree Change: **A.S. EARTH AND PLANETARY SCIENCES**

Change(s) Initiated: (Please Check)

- | | |
|---|--|
| <input type="checkbox"/> Closing of Degree | <input checked="" type="checkbox"/> Change in Degree or Certificate Requirements |
| <input type="checkbox"/> Closing of Certificate | <input type="checkbox"/> Change in Degree Requirements (adding concentration) |
| <input type="checkbox"/> New Certificate Proposal | <input type="checkbox"/> Change in Pre/Co-Requisite |
| <input type="checkbox"/> New Degree Proposal | <input type="checkbox"/> Change in Course Designation |
| <input type="checkbox"/> New Course | <input type="checkbox"/> Change in Course Description |
| <input type="checkbox"/> New 82 Course | <input type="checkbox"/> Change in Course Title, Numbers Credit and/or Hour |
| <input type="checkbox"/> Deletion of Course | <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 |


X Other (please describe):

PLEASE ATTACH PERTINENT MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

I. DEPARTMENTAL ACTION

Action by Department &/or Departmental Curriculum Committee, if required:

Date approved: **3/14/19**

Signature, Committee Chairperson: 

Signature, Department Chair: 

Date: **3/14/19**

Appended are:

1. Proposed Degree Requirements A.S. Earth and Planetary Sciences
2. Proposed 4 semester Degree Map A.S. Earth and Planetary Sciences
3. List of Proposed Changes A.S. Earth and Planetary Sciences
4. Current catalog description A.S. Earth and Planetary Sciences
(Marked-up to show add/drop changes)
5. Proposed catalog description A.S. Chemistry

Reason for Changes:

To adhere to and to comport with changes to: Math Placement; Math Ready; Math Ready to Calculus Ready sequence; Calculus Ready through Calculus sequence; Hidden Pre-requisite; Degree in 60 Credits; and Degree in 4 Academic Semesters policies and practices.

Proposed Degree Map A.S. Earth and Planetary Sciences

CUNY's General Education requirements: [excluding math and science requirements]

One year of English Composition: ENG 12 & ENG 24 (6 crs.)

Group A: One semester World (3 crs.)

Group B: One semester United States (3 crs.)

Group C: One semester Creative (3 crs.)

Group D: One semester Individual (3 crs.)

18 credits

Department Degree Requirements

Physical Science Requirements:

CHM 1100 – General Chemistry I (4 crs.)

EPS 3100 – Meteorology (4 crs.)

EPS 3200 – Oceanography (4 crs.)

EPS 3300 – Physical Geology (4 crs.)

EPS 3500 – Astronomy (4 crs.)

EPS 3600 – Planetology (4 crs.)

EPS 3800 – Introduction to Earth Science (4 crs.)

PHY 1100 – General Physics I (4 crs.)

32 credits

Mathematics Requirements:

Three of the following:

MAT 0900 Algebra (3 crs)

MAT 1000 Trigonometry (3 crs)

MAT 1400 Pre-Calculus (3 crs) [Recommended]

MAT 1500 Calculus I (3 crs) [Recommended]

MAT 1600 Calculus II (3 crs) [Recommended]

09 credits

Elective Credit credits

01 credits

Total 60 credits

A.S. Earth and Planetary Sciences Degree Map

CHM, ENG, MAT development (if required) 0 crs.

<ul style="list-style-type: none"> • Semester 1 (16 Credits) • EPS 38– Introduction to Earth Science 4 crs. • MAT 3 crs • ENG12 -English Composition I 3 crs. • Group A or B or C or D 3 crs. • Group A or B or C or D 3 crs. 	<ul style="list-style-type: none"> • Semester 2 (14 Credits) • EPS 31,32,33,35 or 36 4 crs. • EPS 31,32,33,35 or 36 4 crs • MAT [MAT1500 Recommended] 3 crs • ENG24- English Composition II 3 crs.
<ul style="list-style-type: none"> • Semester 3 (15 credits) • EPS 31,32,33,35 or 36 4 crs. • EPS 31,32,33,35 or 36 4 crs • CHM11-Chemistry I 4 crs. • MAT...[MAT1600 Recommended] 3 crs 	<ul style="list-style-type: none"> • Semester 4 (15 credits) • EPS 31,32,33,35 or 36 4 crs. • PHY11 - Physics I 4 crs. • Group A or B or C or D 3 crs. • Group A or B or C or D 3 crs. • Elective Credit1 crs.

Add/Delete/Change	A.S. EARTH AND PLANETARY SCIENCE	
	HEGIS: 5499.00	
	PROGRAM CODE: 34242	
	CUNY CORE	
CHANGE	REQUIRED CORE: (4 Courses, 14 13 Credits)	14 13
	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 & Quantitative Reasoning*:	04 3
ADD	MAT 900 - College Algebra or	
ADD	MAT 9A0 - Algebra for STEM Majors or	
ADD/CHANGE (CREDITS)	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or	
CHANGE (CREDITS)	MAT 1500 - Calculus I	
	Life and Physical Sciences*: CHM 1100 - General Chemistry I	4
	FLEXIBLE CORE: (6 Courses, 20 Credits)	20
	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*:	
DELETE	MAT 1600 - Calculus II	
	EPS 3100 - Meteorology	
ADD	EPS 3800 - Introduction to Earth Science	
	DEPARTMENT REQUIREMENTS (6 7 Courses, 24 26 Credits)	24 26
ADD	Additional Physical Sciences Requirements (5 Courses, 20 Credits)	
	EPS 3200 - Oceanography	4
	EPS 3300 - Physical Geography	4
	EPS 3500 - Astronomy	4
	EPS 3600 - Planetology	4
DELETE	EPS 3800 - Introduction to Earth Science	04
	PHY 1100 - General Physics I	4
ADD	Additional Mathematics Requirements (2 Courses, 6 Credits)	6

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	HEGIS: 5499.00	
	PROGRAM CODE: 34242	
	CUNY CORE	
	REQUIRED CORE: (4 Courses, 13 Credits)	13
	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 & Quantitative Reasoning*:	3
	MAT 900 - College Algebra or	
	MAT 9A0 - Algebra for STEM Majors or	
	MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics or	
	MAT 1500 - Calculus I	
	Life and Physical Sciences*: CHM 1100 - General Chemistry I	4
	FLEXIBLE CORE: (6 Courses, 20 Credits)	20
	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*:	
	EPS 3100 - Meteorology	
	EPS 3800 - Introduction to Earth Science	
	DEPARTMENT REQUIREMENTS (7 Courses, 26 Credits)	26
	Additional Physical Sciences Requirements (5 Courses, 20 Credits)	
	EPS 3200 - Oceanography	4
	EPS 3300 - Physical Geography	4
	EPS 3500 - Astronomy	4
	EPS 3600 - Planetology	4
	PHY 1100 - General Physics I	4
	Additional Mathematics Requirements (2 Courses, 6 Credits)	6
	Select Two (2) additional courses beyond the Mathematical and Quantitative Reasoning (MQR) course from the following:	
	MAT 1000 - College Trigonometry^A	

