



To: Members of the College Council

Date: May 8, 2018

From: Michael Sokolow, Secretary

Subject: Agenda for the Meeting of May 22, 2018

The College Council will meet on Tuesday May 22, 2018 in Room M-240 at 3:00 PM.

AGENDA

I. Approval of the minutes of the meeting held on April 10, 2018

II. Reports

A. President’s Report

B. Curriculum Committee Report [Voting items p.1-21; Informational items p.21-29; Agenda resumes p.29]

The Curriculum Committee presents the following resolutions for approval. (The section numbering reflects those used by CUNY):

Program Learning Outcomes (Informational Item)

Department of Mathematics and Computer Science

1. A.S. Mathematics

SPECIAL ACTIONS

1. CURRICULUM COMMITTEE: The committee members voted unanimously to reduce the college-wide CIVIC ENGAGEMENT requirement in ALL degrees from 2 civic engagement experiences to 1.

CHANGE IN DEGREE REQUIREMENT

A. Department of Behavioral Sciences & Human Services

2 A.S. Early Childhood Education/Child Care

Removal of reference to CSI Articulation Agreement (Informational Item)

FROM:

TO:

DEGREE REQUIREMENTS: (9 Courses, 24 Credits)

PSY 2400 – Psychological Disorders in Young Children OR

DEGREE REQUIREMENTS: (9 Courses, 24 Credits)

PSY 2400 – Psychological Disorders in Young Children OR

~~For transfer to The College of Staten Island~~ HIS 7000 –
Historical Geography

3 HIS 7000 – Historical Geography

Change in Degree Requirements

1. A.S. Education Studies

FROM:

TO:

CUNY CORE

CUNY CORE

REQUIRED CORE: (4 Courses, 12 Credits)

When Required Core courses are specified for a category, they are strongly suggested and/or required for the major

12 **REQUIRED CORE:** (4 Courses, 12 Credits)

When Required Core courses are specified for a category, they are strongly suggested and/or required for the major

ENG 1200 Composition I

3 ENG 1200 Composition I

ENG 2400 Composition II

3 ENG 2400 Composition II

± Mathematical & Quantitative Reasoning

3 ± Mathematical & Quantitative Reasoning

± Life and Physical Sciences

3 ± Life and Physical Sciences

FLEXIBLE CORE: (6 Courses, 18 Credits)

When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major One course from each Group A to E. and one (1) additional course from any group

18 **FLEXIBLE CORE:** (6 Courses, 18 Credits)

When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major One course from each Group A to E. and one (1) additional course from any group

A. World Cultures and Global Issues

A. World Cultures and Global Issues

B. U.S. Experience In Its Diversity

B. U.S. Experience In Its Diversity

C. Creative Expression

C. Creative Expression

D. Individual & Society

D. Individual & Society

SOC 3100 – Introduction to Sociology

SOC 3100 – Introduction to Sociology

PSY 3000 – Child and Adolescent Development

PSY 3000 – Child and Adolescent

Development

± E. Scientific World

± E. Scientific World

Suggested: PSY 1100 – General Psychology

PSY 1100 – General Psychology

± Plus another course selected from any Group A – E

± Plus another course selected from any Group A – E

DEGREE REQUIREMENTS: (8 Courses, 23 Credits)

EDC 200 – Social Foundations of Education

DEGREE REQUIREMENTS: (8 Courses, 23 Credits)

3 EDC 200 – Social Foundations of Education

EDC 2200 – Art Workshop in Education
EDC 2300 – Music and Movement Workshop in Education

EDC 90A4 – Practicum in Teacher Development I

~~Liberal Arts Elective—One Course from Groups A to E~~

PSY 2400 – Psychological Disorders in Young Children

PSY 3000 – Child and Adolescent Development

SOC 3100 – Introduction to Sociology

Select **one (1)** of the following concentrations:

BIRTH – 2ND GRADE (2 Courses, 6 Credits)

EDC 3200 – Infant/Toddler Development

EDC 4000 – Educational Practices for Early Language and Literacy Development

OR

1ST – 6TH GRADE: (3 Courses, 7 Credits)

EDC 3100 – Social Science in Childhood Education

SOC 3200 – Urban Sociology

HUM 8181 – Development of Literacy in Children

ELECTIVES: 0 - 12 credits sufficient to total 60 credits for the degree.

TOTAL CREDITS: 60

B. Department of Biology

Change in Degree Requirements

1. A.S. Biology

FROM:

CUNY CORE

3 EDC 2200 – Art Workshop in Education
2 EDC 2300 – Music and Movement Workshop in Education

3 EDC 90A4 – Practicum in Teacher Development I

3 PSY 1100 - General Psychology

3 PSY 2400 – Psychological Disorders in Young Children

3 PSY 3000 – Child and Adolescent Development

3 SOC 3100 – Introduction to Sociology

Select **one (1)** of the following concentrations:

BIRTH – 2ND GRADE (2 Courses, 6 Credits)

3 EDC 3200 – Infant/Toddler Development

3 EDC 4000 – Educational Practices for Early Language and Literacy Development

OR

7 **1ST – 6TH GRADE**: (3 Courses, 7 Credits)

3 EDC 3100 – Social Science in Childhood Education

3 SOC 3200 – Urban Sociology

1 HUM 8181 – Development of Literacy in Children

0 - **ELECTIVES**: 1- 12 credits sufficient to total 60 credits for the degree.

60 **TOTAL CREDITS**: 60

TO:

CUNY CORE

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REQUIRED CORE: (4 Courses, 14 Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I

ENG 2400 - English Composition II

Mathematical & Quantitative Reasoning*:

~~MAT 1400 – Analytic Geometry and Pre-Calculus Math~~

Life and Physical Sciences*:

BIO 1300 – General Biology I

FLEXIBLE CORE: (6 Courses, 20 Credits)

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*:

BIO 1400 – General Biology II

~~CHM 1100 – General Chemistry~~

DEPARTMENT REQUIREMENTS (~~2~~ Courses, ~~7~~ to ~~8~~ Credits)

CHM 1200 - General Chemistry II

CP 1100 - Introduction to Computers and Computer Applications (4 crs) **or**

BIO/CIS 6000 – Computer Applications in Bioinformatics (3 crs.)

CONCENTRATIONS: (2 Courses, 8 Credits)

Select **one (1)** of the following concentrations:

-

14 **REQUIRED CORE:** (4 Courses, **13** Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I

3 ENG 2400 - English Composition II

4 Mathematical & Quantitative Reasoning*:

MAT 900 - College Algebra

4 Life and Physical Sciences*:

BIO 1300 – General Biology I

20 **FLEXIBLE CORE:** (6 Courses, 20 Credits)

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*:

BIO 1400 – General Biology II

MAT 1400 - Analytic Geometry and Pre-Calculus Mathematics

DEPARTMENT REQUIREMENTS (**3** Courses, **11** to **12** Credits)

CHM 1100 – General Chemistry I

4 CHM 1200 - General Chemistry II

4 - CP 1100 - Introduction to Computers and
3 Computer Applications (4 crs) **or**

BIO/CIS 6000 – Computer Applications in Bioinformatics (3 crs.)

8 **CONCENTRATIONS:** (2 Courses, 8 Credits)

Select **one (1)** of the following concentrations:

Biology Transfer: (2 Courses, 8 Credits)

Select **two (2)** of the following Biology Laboratory courses:

- BIO 2100 - Comparative Anatomy (4 crs.) or
- BIO 2200 - Developmental Biology (4 crs.) or
- BIO 5000 - General Microbiology (4 crs.) or
- BIO 5200 - Marine Biology (4 crs.) or
- BIO 5300 - Ecology (4 crs.) or
- BIO 5800 - Recombination DNA Technology (4 crs.) or

- BIO 5900 – Genetics (4 crs.) or
- BIO 6500 - Molecular and Cellular Biology (4 crs.)

OR

Allied Health Transfer (2 Courses, 8 Credits):

- BIO 1100 - Human Anatomy and Physiology I (4 crs.)

- BIO 1200 - Human Anatomy and Physiology II (4 crs.)

ELECTIVES: 40–44 credits sufficient to meet the required total 60 credits for the degree.

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Allied Health Transfer Option, Suggested Elective:

- BIO/MAT 9100 – Biostatistics (4 crs.)

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Transfer to a Physician Assistant Program, Suggested Elective:

- BIO 5100 – Microbiology in Health and Disease (4 crs.)

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TOTAL CREDITS: 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.

Biology Transfer: (2 Courses, 8 Credits)

Select **two (2)** of the following Biology Laboratory courses:

- BIO 2100 - Comparative Anatomy (4 crs.) or
- BIO 2200 - Developmental Biology (4 crs.) or
- BIO 5000 - General Microbiology (4 crs.) or
- BIO 5200 - Marine Biology (4 crs.) or
- BIO 5300 - Ecology (4 crs.) or
- BIO 5800 - Recombination DNA Technology (4 crs.) or

- BIO 5900 – Genetics (4 crs.) or
- BIO 6500 - Molecular and Cellular Biology (4 crs.)

OR

Allied Health Transfer (2 Courses, 8 Credits):

- BIO 1100 - Human Anatomy and Physiology I (4 crs.)

- BIO 1200 - Human Anatomy and Physiology II (4 crs.)

40-44 **ELECTIVES:** 7 - 8 credits sufficient to meet the required total 60 credits for the degree.

-
Allied Health Transfer Option, Suggested Elective:

- BIO/MAT 9100 – Biostatistics (4 crs.)

-
Transfer to a Physician Assistant Program, Suggested Elective:

- BIO 5100 – Microbiology in Health and Disease (4 crs.)

60 **TOTAL CREDITS: 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.

**D. Department of Mathematics and Computer Science
Change in Degree Requirements**

1. A.S. Computer Science

FROM:

CUNY CORE

REQUIRED CORE: (4 Courses, ~~13~~ Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I
ENG 2400 - English Composition II
Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I
Life and Physical Sciences:

FLEXIBLE CORE: (6 Courses, ~~20~~ Credits)

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 1600 - Calculus II
CS 1200 - Introduction to Computing

DEPARTMENT REQUIREMENTS (7 Courses, ~~27~~ Credits)

CS 13A0 – Advanced Programming Techniques
CS 1400 – Computer Organization and Assembly Language Programming
CS 3500 – Discrete Structures
CS 3700 – Data Structures
MAT 2100 – Calculus III
MAT 5600 – Linear Algebra

TO:

CUNY CORE

13 **REQUIRED CORE:** (4 Courses, **12** Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I
3 ENG 2400 - English Composition II
4 Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I [^]
3 Life and Physical Sciences:

20 **FLEXIBLE CORE:** (6 Courses, **19** Credits)

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*:
4 MAT 1600 - Calculus II
4 CS 1200 - Introduction to Computing

DEPARTMENT REQUIREMENTS (7 Courses, **25-26** Credits)

4 CS 13A0 – Advanced Programming Techniques
4 CS 1400 – Computer Organization and Assembly Language Programming
4 CS 3500 – Discrete Structures
4 CS 3700 – Data Structures
4 MAT 2100 – Calculus III
3 MAT 5600 – Linear Algebra

MAT/BIO 9100 – Biostatistics (4 crs.) or
BA/MAT 2200 – Business Statistics (~~4 crs.~~)

ELECTIVES: ~~0~~ credits sufficient to meet the required total 60 credits for the degree.

TOTAL CREDITS: 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 in Degree Requirements

2. A.S. Mathematics

FROM:

CUNY CORE

REQUIRED CORE: (4 Courses, ~~13~~ Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I
ENG 2400 - English Composition II
Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I
Life and Physical Sciences:

FLEXIBLE CORE: (6 Courses, ~~20~~ Credits)

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

4 MAT/BIO 9100 – Biostatistics (4 crs.) or
BA/MAT 2200 – Business Statistics (3 crs.)

ELECTIVES: ^Note that MAT 9900 can be used as the prerequisite to MAT 1500. MAT 9900 (if required) and 0 - 1 credit of electives, or 3 - 4 credit of electives sufficient to meet the required total 60 credits for the degree.

TOTAL CREDITS: 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.

TO:

CUNY CORE

REQUIRED CORE: (4 Courses, 12 Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I
3 ENG 2400 - English Composition II
4 Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I ^
3 Life and Physical Sciences:

FLEXIBLE CORE: (6 Courses, 19 Credits)

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 1600 - Calculus II
CS 1200 - Introduction to Computing

DEPARTMENT REQUIREMENTS (7 Courses, ~~27~~ Credits)

MAT 2100 – Calculus III
MAT 5500 – Differential Equations
MAT 5600 – Linear Algebra (3 crs.)
MAT/BIO 9100 – Biostatistics **or**
MAT/BA 2200 – Business Statistics
CS 3500 – Discrete Structures (4 crs.)
~~HE 1400 – Critical Issues in Personal Health~~

AND

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Select two (2) courses from the following:

CS 13A0 – Advanced Programming Techniques (4 crs.) or
CS 1400 – Computer and Assembly Language Programming (4 crs.) or
MAT 1100 – Finite Mathematics (4 crs.) or
MAT 3200 – Introduction to Set Theory (4 crs.) or
MAT 7100 – Applications of Linear Algebra and Vector Analysis (4 crs.)

ELECTIVES: -0 credits sufficient to meet the required total 60 credits for the degree.

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TOTAL CREDITS: 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.

D. Individual & Society
E. Scientific World*:
4 MAT 1600 - Calculus II
4 CS 1200 - Introduction to Computing

DEPARTMENT REQUIREMENTS (7 Courses, ~~25-26~~ Credits)

4 MAT 2100 – Calculus III
3 MAT 5500 – Differential Equations
3 MAT 5600 – Linear Algebra (3 crs.)
4 MAT/BIO 9100 – Biostatistics (4 crs.) **or**
MAT/BA 2200 – Business Statistics (3 crs.)
4 CS 3500 – Discrete Structures (4 crs.)

MAT 3000 - Introduction to Mathematical Concepts in Proof

AND

Select two (2) courses from the following:

CS 13A0 – Advanced Programming Techniques (4 crs.) or
CS 1400 – Computer and Assembly Language Programming (4 crs.) or
MAT 1100 – Finite Mathematics (4 crs.) or
MAT 3200 – Introduction to Set Theory (4 crs.) or
MAT 7100 – Applications of Linear Algebra and Vector Analysis (4 crs.)

0 **ELECTIVES:** ^Note that MAT 9900 can be used as the prerequisite to MAT 1500. MAT 9900 (if required) and 0 - 1 credit of electives, or 3 - 4 credit of electives sufficient to meet the required total 60 credits for the degree.

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60 **TOTAL CREDITS: 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.

**E. Department of Physical Sciences
Change in Degree Requirements**

1. A.S. Chemistry

FROM:

CUNY CORE

REQUIRED CORE: (4 Courses, ~~14~~Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I
ENG 2400 - English Composition II
Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I
Life and Physical Sciences*:
CHM 1100 - General Chemistry I

FLEXIBLE CORE: (6 Courses, 20 Credits)

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 1600 – Calculus II~~

CHM 1200 - General Chemistry II

DEPARTMENT REQUIREMENTS (~~4 Courses, 18 Credits~~)

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TO:

CUNY CORE

14 REQUIRED CORE: (4 Courses, 13 Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I
3 ENG 2400 - English Composition II
4 Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I
4 Life and Physical Sciences*:
CHM 1100 - General Chemistry I

20 FLEXIBLE CORE: (6 Courses, 20 Credits)

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*:

PHY 1300 – Advanced General Physics I

CHM 1200 - General Chemistry II

18 DEPARTMENT REQUIREMENTS

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CHM 3100 – Organic Chemistry I
CHM 3200 – Organic Chemistry II
~~PHY 1300 – Advanced General Physics I~~
PHY 1400 – Advanced General Physics II

Physical Sciences Requirements (4 to 5 Courses, 21 Credits)

5 CHM 3100 – Organic Chemistry I
5 CHM 3200 – Organic Chemistry II
4
4 PHY 1400 – Advanced General Physics II
Advanced Elective Credits in Chemistry, Engineering Science, Earth and Planetary Sciences, Physics, or Science

Mathematics Requirements (1 Course, 3 Credits)
MAT 1600 Calculus II

ELECTIVES: 8 credits sufficient to meet the required total 60 credits for the degree.

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TOTAL CREDITS: 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 in Degree Requirements

2. A.S. Earth and Planetary Sciences

FROM:

CUNY CORE

8 **ELECTIVES:** 0-3 credits sufficient to meet the required total 60 credits for the degree.

- Notes:**
- 1. ENG9200 (0 credits) if required, is a pre-requisite for ENG1200.
 - 2. CHM100 (0 credits) if required, is a pre-requisite for CHM1100.
 - 3. MAT M100, MAT M200, and MAT9800 (0 credits) if required, are pre-requisites for MAT9900.
 - 4. MAT9900 (3 credits) if required, is a pre-requisite for MAT1500.

60 **TOTAL CREDITS: 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.

TO:

CUNY CORE

REQUIRED CORE: (4 Courses, 14-Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I
ENG 2400 - English Composition II
Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I
Life and Physical Sciences*:
CHM 1100 - General Chemistry I

FLEXIBLE CORE: (6 Courses, 20 Credits)

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 1600 – Calculus II~~
EPS 3100 - Meteorology

DEPARTMENT REQUIREMENTS (6 Courses, 24 Credits)

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EPS 3200 – Oceanography
EPS 3300 – Physical Geography
EPS 3500 – Astronomy
EPS 3600 – Planetology
~~EPS 3800 – Introduction to Earth Science~~
PHY 1100 – General Physics I

REQUIRED CORE: (4 Courses, 13 Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I
3 ENG 2400 - English Composition II
4 Mathematical & Quantitative Reasoning*:
MAT 1500 - Calculus I
4 Life and Physical Sciences*:
CHM 1100 - General Chemistry I

FLEXIBLE CORE: (6 Courses, 20 Credits)

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 3800 – Introduction to Earth Science
EPS 3100 - Meteorology

DEPARTMENT REQUIREMENTS

Physical Sciences Requirements (5 Courses, 20 Credits)

4 EPS 3200 – Oceanography
4 EPS 3300 – Physical Geography
4 EPS 3500 – Astronomy
4 EPS 3600 – Planetology
4
4 PHY 1100 – General Physics I

Mathematics Requirements (1 Course, 3 Credits)
MAT 1600 - Calculus II

ELECTIVES: 2 credits sufficient to meet the required total 60 credits for the degree.

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TOTAL CREDITS: 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 in Degree Requirements

3. A.S. Engineering Science

FROM:

CUNY CORE

REQUIRED CORE: (4 Courses, 44-Credits)

When Required Core Courses are specified for a category, they are required for the major

- ENG 1200 - English Composition I
- ENG 2400 - English Composition II
- Mathematical & Quantitative Reasoning*:
 - MAT 1500 - Calculus I
- Life and Physical Sciences*:
 - CHM 1100 - General Chemistry I

FLEXIBLE CORE: (6 Courses, 20 Credits)

2 **ELECTIVES:** 1-4 credits sufficient to meet the required total 60 credits for the degree.

- Notes:**
- 1. ENG9200 (0 credits) if required, is a pre-requisite for ENG1200.
 - 2. CHM100 (0 credits) if required, is a pre-requisite for CHM1100.
 - 3. MAT M100, MAT M200, and MAT9800 (0 credits) if required, are pre-requisites for MAT9900.
 - 4. MAT9900 (3 credits) if required, is a pre-requisite for MAT1500.

60 **TOTAL CREDITS: 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.

TO:

CUNY CORE

44 **REQUIRED CORE:** (4 Courses, 13 Credits)

When Required Core Courses are specified for a category, they are required for the major

- 3 ENG 1200 - English Composition I
- 3 ENG 2400 - English Composition II
- 4 Mathematical & Quantitative Reasoning*:
 - MAT 1500 - Calculus I
- 4 Life and Physical Sciences*:
 - CHM 1100 - General Chemistry I

20 **FLEXIBLE CORE:** (6 Courses, 20 Credits)

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 1600 – Calculus II~~

CHM 1200 - General Chemistry II

DEPARTMENT REQUIREMENTS (9 Courses, 32 Credits)

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- PHY 1300 – Advanced General Physics I
- PHY 1400 – Advanced General Physics II
- EGR 2100 – Engineering Design
- EGR 2200 – Introduction to Electrical Engineering
- EGR 2300 – Introduction to Engineering Thermodynamics

CS 1200 – Introduction to Computing

- MAT 2100 – Calculus III
- MAT 5500 – Differential Equations
- MAT 5600 – Linear Algebra

ELECTIVES: ~~0–4~~ credits sufficient to meet the required total ~~66~~ ~~to 70~~ credits for the degree.

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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*:

PHY 1300 – Advanced General Physics I

CHM 1200 - General Chemistry II

DEPARTMENT REQUIREMENTS

Physical Sciences Requirements (4 Courses, 13 Credits)

- 4 PHY 1300 – Advanced General Physics I
- 4 PHY 1400 – Advanced General Physics II
- 3 EGR 2100 – Engineering Design
- 3 EGR 2200 – Introduction to Electrical Engineering
- 3 EGR 2300 – Introduction to Engineering Thermodynamics

Mathematics Requirements (5 Courses, 16 Credits)

- 4 CS 1200 – Introduction to Computing
- MAT 1600 - Calculus II**
- 4 MAT 2100 – Calculus III
- 3 MAT 5500 – Differential Equations
- 3 MAT 5600 – Linear Algebra

ELECTIVES: **0-3** credits sufficient to meet the required total 65 credits for the degree.

- Notes:
- 1. ENG9200 (0 credits) if required, is a pre-requisite for ENG1200.

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TOTAL CREDITS: ~~66 to 70~~

*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 in Degree Requirements

4. A.S. Physics

FROM:

CUNY CORE

REQUIRED CORE: (4 Courses, ~~14~~Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I

ENG 2400 - English Composition II

Mathematical & Quantitative Reasoning*:

MAT 1500 - Calculus I

Life and Physical Sciences*:

CHM 1100 - General Chemistry I

FLEXIBLE CORE: (6 Courses, 20 Credits)

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

- 2. CHM100 (0 credits) if required, is a pre-requisite for CHM1100.
- 3. MAT M100, MAT M200, and MAT9800 (0 credits) if required, are pre-requisites for MAT9900.
- 4. MAT9900 (3 credits) if required, is a pre-requisite for MAT1500.

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TOTAL CREDITS: ~~66-70~~ **65**

*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.

TO:

CUNY CORE

14 **REQUIRED CORE:** (4 Courses, **13** Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I

3 ENG 2400 - English Composition II

4 Mathematical & Quantitative Reasoning*:

MAT 1500 - Calculus I

4 Life and Physical Sciences*:

CHM 1100 - General Chemistry I

20 **FLEXIBLE CORE:** (6 Courses, 20 Credits)

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 1600 – Calculus II~~

CHM 1200 - General Chemistry II

DEPARTMENT REQUIREMENTS ~~(9 Courses, 32 Credits)~~

~~PHY 1300 – Advanced General Physics I~~

PHY 1400 – Advanced General Physics II

~~Advanced Electives (8 to 11 credits):~~

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=

Select only ONE, Either

EPS 3300 – Physical Geology (4 crs.) or

EPS 3500 – Introduction to Astronomy (4 crs.) or

EPS 3600 – Planetology: A Trip Through the Solar System (4 crs.)

OR

~~PHY 81XX – Independent Study (1 to 3 crs.)~~

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Select only ONE, Either

MAT 5500 – Differential Equations (3 crs.) or

MAT 5600 – Linear Algebra (3 crs.)

OR

Select only ONE, Either

C. Creative Expression
D. Individual & Society
E. Scientific World*:

PHY 1300 – Advanced General Physics I

CHM 1200 - General Chemistry II

DEPARTMENT REQUIREMENTS

Physical Sciences Requirements (4 Courses, 14 Credits)

EGR 2200 – Introduction to Electrical Engineering

EGR 2300 – Introduction to Engineering Thermodynamics

4

4

PHY 1400 – Advanced General Physics II

AND

Select ONE (1) of the Following:

EPS 3100 - Meteorology (4 crs.) OR

EPS 3200 - Oceanography (4 crs.) OR

EPS 3300 - Physical Geography (4 crs) OR

EPS 3500 - Introduction to Astronomy (4 crs) OR

EPS 3600 - Planetology: A Trip Through the Solar System (4 crs) OR

Advanced Elective Credits in Physics (4 crs.)

Mathematics Requirements (3 Courses, 9 Credits)

MAT 1600 - Calculus II

Select TWO (2) of the Following:

MAT 2100 – Calculus III

MAT 5500 – Differential Equations

MAT 5600 – Linear Algebra

EGR 2200 – Introduction to Electrical Engineering (3 crs.) or

EGR 2300 – Introduction to Engineering Thermodynamics (3 crs.)

-

ELECTIVES: ~~7-10~~ credits sufficient to meet the required total 60 credits for the degree.

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TOTAL CREDITS: 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 in Degree Requirements

5. A.S. Science for Forensics

FROM:

CUNY CORE

REQUIRED CORE: (4 Courses, ~~14~~Credits)

When Required Core Courses are specified for a category, they are required for the major

ENG 1200 - English Composition I

ENG 2400 - English Composition II

Mathematical & Quantitative Reasoning*:

MAT 1500 - Calculus I

Life and Physical Sciences*:

BIO 1300 - General Biology I

~~7-10~~ **ELECTIVES:** 1-4 credits sufficient to meet the required total 60 credits for the degree.

- **Notes:**

- 1. ENG9200 (0 credits) if required, is a pre-requisite for ENG1200.

- 2. CHM100 (0 credits) if required, is a pre-requisite for CHM1100.

- 3. MAT M100, MAT M200, and MAT9800 (0 credits) if required, are pre-requisites for MAT9900.

- 4. MAT9900 (3 credits) if required, is a pre-requisite for MAT1500.

-

60 **TOTAL CREDITS:** 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.

TO:

CUNY CORE

14 **REQUIRED CORE:** (4 Courses, 13 Credits)

When Required Core Courses are specified for a category, they are required for the major

3 ENG 1200 - English Composition I

3 ENG 2400 - English Composition II

4 Mathematical & Quantitative Reasoning*:

MAT 1500 - Calculus I

4 Life and Physical Sciences*:

BIO 1300 - General Biology I

FLEXIBLE CORE: (6 Courses, 20 Credits)

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 1600 – Calculus II~~

BIO 1400 - General Biology II

DEPARTMENT REQUIREMENTS (~~9 Courses, 32 Credits~~)

A cumulative grade point average of 2.50 or above, which includes BIO 1300 and BIO 1400, as well as the following ~~26~~ credits is required:

~~CHM 1100 – General Chemistry I~~

CHM 1200 – General Chemistry II

CHM 3100 – Organic Chemistry I

CHM 3200 – Organic Chemistry II

PHY 1300 – Advanced General Physics I

PHY 1400 – Advanced General Physics II

ELECTIVES: 0-credits sufficient to meet the required total 60 credits for the degree.

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20 **FLEXIBLE CORE:** (6 Courses, 20 Credits)

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*:

CHM 1100 – General Chemistry I

BIO 1400 - General Biology II

DEPARTMENT REQUIREMENTS

Physical Sciences Requirements (5 Courses, 22 Credits)

A cumulative grade point average of 2.50 or above, which includes BIO 1300, BIO 1400, and CHM 1100 as well as the following 22 credits is required:

4

4 CHM 1200 – General Chemistry II

5 CHM 3100 – Organic Chemistry I

5 CHM 3200 – Organic Chemistry II

4 PHY 1300 – Advanced General Physics I

4 PHY 1400 – Advanced General Physics II

0 **ELECTIVES:** 2-5 credits sufficient to meet the required total 60 credits for the degree.

- **Recommended MAT 1600 - Calculus II**

- Notes:

- 1. ENG9200 (0 credits) if required, is a pre-requisite for ENG1200.

- 2. CHM100 (0 credits) if required, is a pre-requisite for CHM1100.

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TOTAL CREDITS: 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.

NEW COURSES

A. Department of Art

1. ART 2200, Medieval Art

Prerequisite: None

Corequisite: None

Pre/Co-requisite: None

Credits: 3

Equated Credits: N/A

Hours: 3

Course Description: This course introduces students to the culture of the medieval era by studying the art of the following periods: Early Christian, Jewish, Byzantine, Islamic, Carolingian, Ottonian, Romanesque, and Gothic. The course covers the material chronologically and by region and theme in an effort to create an understanding of each culture's characteristic style, connection to its historical context, and its relationships to other cultures. It also explores how artworks functioned within religious and political contexts and issues of cross-cultural interactions stemming from trade, diplomacy, pilgrimage, the crusades, migration, and other forms of contact and exchange.

B. Department of English

1. ENG 5400, Introduction to Creative Writing

Prerequisite: ENG 1200

Corequisite: None

Pre/Co-requisite: None

Credits: 3

Equated Credits: N/A

Hours: 3

- 3. MAT M100, MAT M200, and MAT9800 (0 credits) if required, are pre-requisites for MAT9900.

- 4. MAT9900 (3 credits) if required, is a pre-requisite for MAT1500.

-

60 **TOTAL CREDITS: 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.

Course Description: Introduction to the writing of fiction, nonfiction, and poetry, in which students explore literary form and the writing process. Students will write, revise, and share their work with other members of the class, and read and analyze selected works by contemporary authors.

C. Department of Health, Physical Education and Recreation

1. PEC 7200, First Responders Physical Fitness Training

Prerequisite: None

Corequisite: None

Pre/Co-requisite: None

Credits: 1

Equated Credits: N/A

Hours: 2

Course Description: This course is specifically designed to develop general fitness to enhance a candidate's ability to pass the physical requirements for entrance to the Police and Fire Academies in New York City, as well as other first responder exams in the United States. The course includes aerobic and anaerobic training, and resistance training, to build strength and endurance.

D. Department of History, Philosophy and Political Science

1. PHI 6600, Criminal Justice Ethics

Prerequisite: None

Corequisite: None

Pre/Co-requisite: None

Credits: 3

Equated Credits: N/A

Hours: 3

Course Description: Application of ethical theories to moral issues arising in the American criminal justice system, such as civil disobedience, police corruption, whistle blowing, stop and frisk, prosecutor, plea bargaining, capital punishment, liability for unethical conduct, and the war on terror.

E. Department of Mathematics and Computer Science

1. MAT 3000, Introduction to Mathematical Concepts in Proof

Prerequisite: MAT 1400 or MAT 9900

Corequisite: None
Pre/Co-requisite: None
Credits: 1
Equated Credits: N/A
Hours: 2 hrs lab

Course Description: This course introduces majors in mathematics to the critical skill of reading and writing formal proofs; and serves as a bridge to the more advanced mathematics they will study at the baccalaureate level and beyond. Expected topics include: Basic Set Theory, logic, counting principles, direct proof, contrapositives, contradictions, non-conditionals, counterexamples, induction, relations, functions, and cardinality.

2. MAT 9800, Intermediate Algebra for STEM majors

Prerequisite: Exit from mathematics remediation, per CUNY
Corequisite: None
Pre/Co-requisite: None
Credits: 0
Equated Credits: 8
Hours: 8

Course Description: This course offers a comprehensive treatment of topics in algebra and trigonometry. These include the real numbers and their properties, evaluating algebraic expressions, integer and rational exponents, polynomial expressions, factoring techniques, rational expressions and mixed quotients, radical expressions, geometric formulas, solving linear and quadratic equations, complex numbers, linear inequalities, absolute value equations and inequalities, linear equations in two variables, the Distance and Midpoint Formulas, parallel and perpendicular lines, equations of circles, right triangle trigonometry and trigonometry of any angle, algebraic operations with trigonometric expressions, establishing trigonometric identities, the Sum of Angles/Difference of Angles/Double Angle/Half Angle formulas. This course is intended for students whose major requires Calculus I (MAT 1500). Students who have completed MAT 900 will **not** receive credit for this course.

3. MAT 9900, Pre-Calculus for STEM majors

Prerequisite: MAT 9800 or MAT 900
Corequisite: None
Pre/Co-requisite: None
Credits: 3
Equated Credits: 3
Hours: 6

Course Description: A course in analytic geometry and function theory. It covers both algebraic and functional aspects of polynomial and rational functions, radical functions, exponential and logarithmic functions, and both trigonometric and inverse trigonometric functions. It also includes a study of the conic sections and solving trigonometric equations. Recommended for students who will eventually take Calculus. This course is intended for students whose majors require Calculus I (MAT 1500). Students who have completed MAT 1400 will **not** get credit for this course.

COURSES FOR PATHWAYS APPROVAL

A. Department of Art

1. ART 2200, Medieval Art, Flexible Core, World Cultures and Global Issues (Group A)

Included in New Course Proposal

B. Department of English

1. ENG 5400, Introduction to Creative Writing, Flexible Core: Creative Expression (Group C)

Included in New Course Proposal

C. Department of History, Philosophy, and Political Science

1. HIS 3200, Modern China, Flexible Core: World Cultures and Global Issues (Group A)

2. HIS 3700, The Middle East - World War I to the Present, Flexible Core: World Cultures and Global Issues (Group A)

3. PHI 6600, Criminal Justice Ethics, Flexible Core: Individual and Society (Group D)

Included in New Course Proposal

D. Department of Mathematics and Computer Science

1. MAT 800, Practical Mathematics for Today's World, Required Core: Mathematical and Quantitative Reasoning

Included in Change in Number of Credits/Hours

The Following Curriculum Committee items are informational to the College Council:

Program Learning Outcomes (Informational Item)

Department of Mathematics and Computer Science

1. A.S. Mathematics

CHANGE IN DEGREE REQUIREMENT

A. Department of Behavioral Sciences & Human Services

2 A.S. Early Childhood Education/Child Care

Removal of reference to CSI Articulation Agreement (Informational Item)

FROM:

TO:

DEGREE REQUIREMENTS: (9 Courses, 24 Credits)

DEGREE REQUIREMENTS: (9 Courses, 24 Credits)

PSY 2400 – Psychological Disorders in Young Children OR

PSY 2400 – Psychological Disorders in Young Children OR

For transfer to The College of Staten Island HIS 7000 – Historical Geography 3

HIS 7000 – Historical Geography

CHANGES IN EXISTING COURSES

A. Department of Health, Physical Education and Recreation

Change: Prerequisite

1. RPE 3600, Assessment Process in Therapeutic Recreation

FROM:

TO:

Pre/Co-requisite: PSY 1100 and REC 3100

Pre/Co-requisite: RPE 3100, PSY 1100 is recommended

B. History, Philosophy, and Political Science

Change: Course Title and Description

1. HIS 1800, U.S. History in a Global Context: From Reconstruction to Present

FROM:

U.S. History in a Global Context: From Reconstruction to Present

FROM:

This course examines the period from 1865 to present. It explores how U.S. History fits into the global context and investigates how such events and historical phenomenon as American industrialization, progressivism, and race relations can be better understood by examining them in a transitional historical context.

2. HIS 2000, The Immigrant in American Society

FROM:

The Immigrant in American Society

FROM:

Changing immigration pattern from the 17th century to the present. Immigrants, their motives and ambitions (background, role in American society, and contributions to American life).

C. Department of Mathematics and Computer Science

Change: Pre/Co-requisite

1. CS 1200, Introduction to Computing

FROM:

Pre/Co-requisite: MAT 1400

Change: Course Credits/Hours

TO:

U.S. History in a Global Context: **1865 to Present**

TO:

This course explores United States history in the context of global affairs from the late nineteenth century onwards. It investigates, for example, how the United States has defined itself in relation to the wider world; the rise of the United States as a global superpower; and the ways the United States interacts with peoples from around the world, both at home and abroad, have shaped the nation's history.

TO:

U.S. Immigration History

TO:

This course explores the history of migration to the United States. It investigates the experiences of diverse groups of migrants and examines the interactions between migrant and the nation, exploring the changing meaning of "foreign" and "American."

TO:

Pre/Co-requisite: MAT 1400 **or** MAT 9900

2. MAT 800, Practical Mathematics for Today's World

FROM:

4 credits, 4 hours

Change: Prerequisite and Course Description

3. MAT 900, College Algebra

FROM:

Prerequisites: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math and a score of 55-69 on the College Level Math portion of the ACCUPLACER CUNY Assessment Test in Math; or (2) Successful completion of Pre-Algebra and a grade of 45 or higher on the Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS), or (3) Successful completion of Pre-Algebra and successful completion of a Kingsborough Math M200 workshop culminating in a grade of 88 or higher on the CEAFE exam, or (4) Successful completion of Pre-Algebra and an "S" grade in MAT M200 taken at Kingsborough; or (5) MAT R300

FROM:

TO:

3 credits, 4 hours (2 hrs. lecture, 2 hrs. lab)

TO:

Prerequisites: (1) MAT R300, or (2) **Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math and a score of 55 - 69 on the College Level Math portion of the ACCUPLACER CUNY Assessment Test in Math.**

TO:

A comprehensive treatment of the following: real numbers, absolute value, integer and rational exponents, polynomial operations, factoring techniques, roots and radicals, linear and quadratic equations, graphing techniques, systems of linear equations, and Gaussian elimination. Introduces the study of functions in preparation for the study of pre-calculus. Demonstration of proficiency in subject matter via departmental final exam is required for successful completion.

A comprehensive treatment of the following: real numbers, absolute value, integer and rational exponents, polynomial operations, factoring techniques, roots and radicals, linear and quadratic equations, graphing techniques, systems of linear equations, and Gaussian elimination. Introduces the study of functions in preparation for the study of pre-calculus. Demonstration of proficiency in subject matter via departmental final exam is required for successful completion. MAT 900 is intended for students who are STEM majors and have placed directly into MAT 900 on the basis of Accuplacer test score.

Notes:

1. STEM majors who satisfy the prerequisite and whose major does NOT require Calculus I (MAT 1500) should take MAT 900.
2. STEM majors who DO NOT satisfy the prerequisite and who intend to take Calculus I (MAT 1500) may instead register for MAT 9800 (Intermediate Algebra for STEM Majors).
3. Students who have completed MAT 9800 will NOT get credit for MAT 900.

Change: Prerequisite

4. MAT 2000, Elements of Statistics

FROM:

Prerequisites: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math and a score of 55 or higher on the College Level Math portion of the ACCUPLACER CUNY Assessment Test in Math, or (2) Successful completion of Pre-Algebra and a grade of 45 or higher on the Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS), or (3) Successful completion of Pre-Algebra and successful completion of a Kingsborough Math M200 workshop culminating in a grade of 88 or higher on the CEAFE exam, or (4) Successful completion of Pre-Algebra and an "S" grade in MAT M200 taken at Kingsborough, or (5) MAT R300

TO:

Prerequisites: (1) MAT R300, or (2) MAT 9800, or (3) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math and a minimum of score of 55 on the College Level Math portion of the ACCUPLACER CUNY Assessment Test in Math

Change: Prerequisite and Credits/Hours

5. MAT/BA 2200, Business Statistics

FROM:

Prerequisites: (1) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math and a score of 55 or higher on the College Level Math portion of the ACCUPLACER CUNY Assessment Test in Math, or (2) Successful completion of Pre-Algebra and a grade of 45 or higher on the Elementary Algebra portion of the CUNY Mathematics Skills Test (COMPASS), or (3) Successful completion of Pre-Algebra and successful completion of a Kingsborough Math M200 workshop culminating in a grade of 88 or higher on the CEAFE exam, or (4) Successful completion of Pre-Algebra and an "S" grade in MAT M200 taken at Kingsborough, or (5) MAT R300

FROM:

4 credits, 4 hrs.

Change: Prerequisite

6. MAT/BIO 9100, Biostatistics

FROM:

Prerequisite: MAT 900

Change: Course Description

7. MAT 1400, Analytic Geometry and Pre-Calculus

FROM:

TO:

Prerequisites: (1) MAT R300, or (2) MAT 9800, or (3) Successful completion of the Elementary Algebra portion of the ACCUPLACER CUNY Assessment Test in Math and a minimum of score of 55 on the College Level Math portion of the ACCUPLACER CUNY Assessment Test in Math

TO:

3 credits, 4 hrs. (2 hrs. lecture, 2 hrs. lab)

TO:

Prerequisite: MAT 900 or MAT 9800

TO:

This pre-calculus course stresses real numbers, open sentences, functions and relations, and serves as an introduction to analytic geometry and to probability. Recommended for students planning to continue with calculus and/or mathematics electives.

This pre-calculus course stresses real numbers, open sentences, functions and relations, and serves as an introduction to analytic geometry and to probability. Recommended for students planning to continue with calculus and/or mathematics electives.

MAT 1400 is intended for students who are STEM majors and have placed directly into MAT 1400 on the basis of Accuplacer test score.

Notes:

1. STEM majors who satisfy the prerequisite and whose major does NOT require Calculus I (MAT 1500) should take MAT 1400.
2. STEM majors who DO NOT satisfy the prerequisite and who intend to take Calculus I (MAT 1500) may instead register for MAT 9900 (Pre-Calculus for STEM Majors).
3. Students who have completed MAT 9900 will NOT get credit for MAT 1400.

Change: Prerequisite and Credit/Hours

8. MAT 1500, Calculus I

FROM:

Prerequisite: MAT 1400 with a grade of "C" or better

Pre/Co-requisite: MAT 1000

FROM:

4 credits, 4 hours

Change: Course Credit/Hours

9. MAT 1600, Calculus II

FROM:

4 credits, 4 hours

10. MAT 2100, Calculus III

TO:

Prerequisite: (1) MAT 1400 with a grade of "C" or better **and Corequisite MAT 1000; or (2) MAT 9900 with a grade of "C" or better**

TO:

3 credits, 4 hours (2 hrs. lecture, 2 hrs. lab)

TO:

3 credits, 4 hours (2 hrs. lecture, 2 hrs. lab)

TO:

FROM:
4 credits, 4 hours

3 credits, 4 hours (2 hrs. lecture, 2 hrs. lab)

D. Department of Physical Sciences

Change: Pre/Co-requisites

1. CHM 100, Preview of General Chemistry

FROM:

TO:

Pre/Co-requisite: MAT 900 or MAT 9800, or
Departmental Permission

Pre/Co-requisite: MAT 900

2. CHM 200, Introduction to Green Chemistry

FROM:

TO:

Pre/Co-requisite: MAT 900 or MAT 9800, or
Departmental Permission

Pre/Co-requisite: MAT 900

3. EGR 2100, Engineering Design

FROM:

TO:

Prerequisites: Passed, exempt, or completed
developmental course work for the CUNY
Assessment Tests in Reading and Writing
and MAT 900 or MAT 9800

Prerequisites: Passed, exempt, or completed developmental
course work for the CUNY Assessment Tests in Reading and
Writing and MAT 900

Corequisite: NONE

Corequisite: MAT 1400

**Pre/Co-requisite: MAT 1400, or MAT 9900,
or Department Permission**

4. EGR 2200, Introduction to Electrical Engineering

FROM:

TO:

Prerequisites: **NONE**

Prerequisites: MAT 2100 and PHY 1400

Corequisite: NONE

Corequisite: MAT 5500

**Pre/Co-requisite: MAT 5500 and PHY 1400,
or Department Permission**

5. EGR 2300, Introduction to Engineering Thermodynamics

FROM:

Prerequisites: CHM 1200 and PHY 1400

Corequisite: CS 1200

TO:

Prerequisites: NONE

Corequisite: NONE

Pre/Co-requisite: CHM 1200 and PHY 1400, or Department Permission

6. PHY 100, Preview of General Physics I

FROM:

Pre/Co-requisite: MAT 900

TO:

Pre/Co-requisite: MAT 900, or MAT 9800, or Department Permission

7. PHY 1100, General Physics I

FROM:

Prerequisite: MAT 1400

TO:

Prerequisite: NONE

Pre/Co-requisite: MAT 1400, or MAT 9900, or Department Permission

8. PHY 1300, Advanced General Physics I

FROM:

Pre/Co-requisite: MAT 1500

TO:

Pre/Co-requisite: MAT 1500, or Department Permission

9. PHY 1400, Advanced General Physics II

FROM:

Prerequisite: PHY 1300

Pre/Co-requisite: MAT 1600

TO:

Prerequisite: PHY 1300

Pre/Co-requisite: MAT 1600, or Department Permission

COURSES WITHDRAWN

A. Department of Art

1. ART 4200, Three Dimensional Illustrations
2. ART 6600, Printmaking I
3. ART 6700, Printmaking II

C. Governance Assessment Survey Item – Attachment A

The College Council Steering Committee submits the following preliminary draft version of questions for a KCC Governance Questionnaire. This Questionnaire would be the initial step in the Triannual Assessment of KCC Governance, as described at the meeting of College Council on April 10, 2018: “Input and information will be

gathered from all campus constituencies with the goal of a deeper understanding of our governance system, representation, and engagement with governance as it is experienced across the entire campus.”

These questions are presented to the Council in an effort to solicit reactions and suggestions regarding its contents, and to gather the broadest input possible before fielding it as an actual survey (likely in the Fall 2018 semester). This item does not require Council action, but encourages individual participation and response over the upcoming weeks and months from College Council members and the entire College community.

[See Attachment A]

D. Legislative Committee Report

1. The Legislative Committee will announce the results of the campus elections held in May 2018.
2. The Faculty members of the Council will nominate and elect one of its members to represent Kingsborough on the University Faculty Senate’s Council of Faculty Governance Leaders for the duration of that member’s Council term (position currently held by Prof. Don Hume).

- a. The UFS webpage for this position describes it as follows:

“This informal committee meets quarterly, twice with the Chancellor and the Provost. The council is an opportunity for the elected faculty governance leader or the elected faculty designee from each college’s senate to discuss campus and university-wide governance and to exchange ideas about best practices.”

[\(https://www1.cuny.edu/sites/cunyufs/committees/senate/councils/faculty-governance-leaders/ \)](https://www1.cuny.edu/sites/cunyufs/committees/senate/councils/faculty-governance-leaders/)

- b. The KCC rules for electing this position were established by College Council at its meeting of May 20, 2008:

RESOLVED, That the Faculty Governance Leader shall represent the faculty of Kingsborough Community College at the meetings of the University Faculty Senate Faculty Governance Leaders, and shall report back to the College Council about the activities, discussions, policies, and other pertinent information regarding these meetings; and be it further

RESOLVED, That **only faculty members of the College Council shall be eligible to nominate, be nominated, and vote for Faculty Governance Leader**; and be it further

RESOLVED, That the Faculty Governance Leader shall be elected at the last meeting of the College Council for the academic year; and be it further

RESOLVED, That the term of the Faculty Governance Leader shall be for the duration of his or her current term as delegate on the College Council. This shall be effective September, 2008.

http://www.kbcc.cuny.edu/college_council/Pages/default.aspx (click the link marked *Minutes of May 20, 2008* near the bottom of the right-hand scroll bar)

III. New Business

Meeting II: First meeting of the 2018-2019 College Council

- A. The Council will nominate and elect two faculty or staff members to the Committee on Committees (seats currently held by Prof. Don Hume and Prof. Caterina Pierre).
- B. The Council will nominate and elect three Student members to the Committee on Committees
- C. The Committee on Committees will meet to (a) select officers, and (b) to confirm the standing committee assignments for new Council members
- D. The membership of the individual standing committees will be announced, and each standing committee will meet very briefly to elect its officers for the 2018-2019 academic year.

Members of the Committee on Committees, and date their terms expire:

Prof. Don Hume.....	2018
Prof. Caterina Pierre	2018
Prof. Rick Repetti	2019
Prof. Anna Rozenboym	2019
Prof. Michael Barnhart	2020
Ms. Judy Cohen	2020
Prof. Michael Sokolow	2020
Mr. Baxter	2018
Ms. Cowell	2018
vacant Student seat.....	2018