

M-240

May 22, 2018

Meeting of College Council Volume 45 Number 4

There were present:

Prof. Alessandrini
Prof. Barnhart
Prof. Bennett
Prof. Borgese
Ms. J. Cohen
Ms. Collins
Ms. Daly
Prof. Descarfino
Prof. Ferretti
Ms. Fields
V.P. Fox
Prof. Goldberg
Prof. Hume
Prof. Lax
Ms. Li

Prof. Martin
Prof. McDevitt
Prof. McKinney
Prof. Mikalopas
Prof. Miranda
Mr. Mitra
Prof. Murphy
Mr. Ng
Prof. Noe
Ms. O'Shea
Ms. Olvina
Prof. Perea
Prof. Pierre
Prof. Polizzotto
Prof. Repetti

Prof. Ricciardi
V.P. Rios
Mr. Robinson
Prof. Rozenboym
V.P. Russell
Prof. Segal
Prof. Sokolow
Dr. Sutton-Young
Prof. Taras
Prof. Thomas
Prof. Weeks
Mr. Winnick
Prof. Wood
Prof. Yarmish

Interim President Cohen called the meeting to order at 3:08 PM.

I. The minutes of the meetings of May 23, 2017 were approved by acclamation.

II. Reports

A. President's Report

The President reported the good news that the Aspen Foundation has again recognized Kingsborough Community College as a Top Ten Finalist among the best community colleges in the nation. They will interview faculty, staff and students over the summer as they collect data. Then they will visit the campus in October 2018 and will make their announcement in March-April 2019.

At the Spring 2018 Convocation we discussed the downturn in enrollment at the College for the past five years in a row since Fall 2013. But we might see a change in Fall 2018. Early indicators are that we will see an enrollment bump from Fall 2017 to Fall 2018 for the first time since then. Many thanks to the Vice Presidents of Enrollment Management and Communications and to the Dean of Students and their staff. Our name is getting out among prospective students and all signs are very positive.

Finally, the search for a new President of the College is on schedule. We hope to have an update naming finalists this coming week, and as soon as that information is received it will be shared with the entire College community.

B. Curriculum Committee Report

[Voting items p.2-21; Informational items p.22-28; Minutes resume p.29]

The following resolutions were approved unanimously by the College Council, with the exception of Item D. Change in Degree: Dept. of Mathematics and Computer Science (p.6), which was the subject of an extended discussion and then passed with three votes opposed. The chair, Prof. Martin, thanked Ms. Amanda Kalin for her hard work ensuring these items are compiled and submitted to the Chancellor's Report.

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)

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

Change in Degree Requirements

1. A.S. Education Studies

FROM:

TO:

CUNY CORE

CUNY CORE

REQUIRED CORE: (4 Courses, 12 Credits)

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
ENG 2400 Composition II
± Mathematical & Quantitative Reasoning
± 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

- A. World Cultures and Global Issues
 - B. U.S. Experience In Its Diversity
 - C. Creative Expression
 - D. Individual & Society
 - SOC 3100 – Introduction to Sociology
 - PSY 3000 – Child and Adolescent Development
 - ± E. Scientific World
- Suggested: PSY 1100 – General Psychology*
- ± Plus another course selected from any Group A – E

DEGREE REQUIREMENTS: (8 Courses, 23 Credits)

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:

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

3 ENG 1200 Composition I
3 ENG 2400 Composition II
3 ± Mathematical & Quantitative Reasoning
3 ± Life and Physical Sciences

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
 - B. U.S. Experience In Its Diversity
 - C. Creative Expression
 - D. Individual & Society
 - SOC 3100 – Introduction to Sociology
 - PSY 3000 – Child and Adolescent Development
 - ± E. Scientific World
 - PSY 1100 – General Psychology
- ± Plus another course selected from any Group A – E

DEGREE REQUIREMENTS: (8 Courses, 23 Credits)

3 EDC 200 – Social Foundations of Education
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)

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

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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)

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.
12

60 **TOTAL CREDITS:** 60

TO:

CUNY CORE

-
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

~~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:

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.)

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.

-
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.)

-
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

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.)

-
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

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 ^

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
- 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.

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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. Mathematics

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

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)

- 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~~

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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** 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.)
- 4**

MAT 3000 - Introduction to Mathematical Concepts in Proof

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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.

E. Department of Physical Sciences

Change in Degree Requirements

1. A.S. Chemistry

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*:

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.

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

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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CHM 3100 – Organic Chemistry I

CHM 3200 – Organic Chemistry II

~~PHY 1300 – Advanced General Physics I~~

PHY 1400 – Advanced General Physics II

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

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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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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

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.

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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

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)

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

- 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, 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*:
~~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

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

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

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.

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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.

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)

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

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*:

PHY 1300 – Advanced General Physics I

CHM 1200 - General Chemistry II

DEPARTMENT REQUIREMENTS

Physical Sciences Requirements (4 Courses, 13 Credits)

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

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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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, ~~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*:

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.
 - 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.

~~66~~ ~~70~~ **TOTAL CREDITS:** **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

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
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 ~~(9 Courses, 32 Credits)~~

~~PHY 1300 - Advanced General Physics I~~

PHY 1400 - Advanced General Physics II

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

-

=

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.)~~

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

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.)

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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

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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-

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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

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

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.

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*:
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

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

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

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.

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

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.

- 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.

- **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.

Corequisite: None
Pre/Co-requisite: None
Credits: 3
Equated Credits: N/A
Hours: 3

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:

TO:

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

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

FROM:

TO:

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.

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.

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).

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."

C. Department of Mathematics and Computer Science

Change: Pre/Co-requisite

1. CS 1200, Introduction to Computing

FROM:

Pre/Co-requisite: MAT 1400

TO:

Pre/Co-requisite: MAT 1400 or MAT 9900

Change: Course Credits/Hours

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

FROM:

4 credits, 4 hours

TO:

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

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:

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.

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. 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

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

FROM:

4 credits, 4 hrs.

TO:

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

Change: Prerequisite

6. MAT/BIO 9100, Biostatistics

FROM:

Prerequisite: MAT 900

Change: Course Description

7. MAT 1400, Analytic Geometry and Pre-Calculus

FROM:

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.

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

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.

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.

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)

9. MAT 1600, Calculus II

FROM:

4 credits, 4 hours

TO:

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

10. MAT 2100, Calculus III

FROM:

4 credits, 4 hours

TO:

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 Departmental 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 to the Agenda for 5/22/2018](#).

The College Council Steering Committee submitted a 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 were 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.

After some lively discussion of the survey contents and language, members were urged by V.P. Fox to submit their reactions and responses via email before a final draft of the survey will be utilized, probably some time in the Fall 2018 semester.

D. Legislative Committee Report

The Legislative Committee announced the results of the campus elections held in May 2018, and invited anyone interested to attend its next meeting, immediately following the conclusion of the College Council.

III. New Business

The Instructional Committee distributed (for discussion) copies of a draft Resolution it plans to introduce at College Council during the Fall 2018 semester:

RESOLUTION on scheduling of final exams and proctoring:

WHEREAS, the current scheduling of final exams and proctoring means that some classes are not proctored by their professor,

WHEREAS, the current system is unique among other colleges and requires an extra layer of undue complexity,

WHEREAS, the rationale for the current system no longer seems to fulfill its original purposes; BE IT THEREFORE

RESOLVED, that the current scheduling of final exams and proctoring system be replaced by the following process in the Fall of 2018:

Stage I

Item 1: The Registrar’s Office should schedule sections of the same courses at different periods to facilitate professors proctoring their own exams, OR facilitate

room assignments so that professors with multi-section courses can be proctored in the same room at the same time by the professors teaching those sections.

Item 2: Each professor will be responsible for printing and or copying their own exam through Office Services, as before. However, their exam will not be sent to “the Vault” for pick up on the exam day. Faculty will report directly to their exam room at the assigned day and time. [Departments with Departmental Exams are exempt from this, and can follow the old system.]

Item 3: Each professor will provide the Registrar’s Office a digital or hard copy of their exam for “the Vault” and the Conflict Room by the last day of classes.

Item 4: Professors will not pick up their own exams from “the Vault,” as they will already have their own copies of their own exams. [Departments with Departmental Exams are exempt from this, and can follow the old system.]

Item 5: Each Professor will proctor their own exam. Professors are responsible for informing their department only if they cannot attend their own exam.

Item 6: The Registrar’s Office will assign a small number of substitute faculty proctors (from the pool of faculty who do not normally give exams) for each exam slot in the event of a scheduling conflict or an unanticipated absence, as before.

Item 7: The Registrar’s Office will assign a small number of faculty proctors (from the pool of faculty who do not normally give exams) to the Conflict Room, as before.

Some discussion of the Resolution points and language followed, and when that was concluded the Final Meeting of the 2017-2018 Academic Year was adjourned.

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

In addition to the members listed at the beginning of these Minutes (on p.1), at the second meeting the following newly-elected 2018-2019 Council members also attended: Profs. Cally, Chapman, Del Principe, Derimanova, Feeley, Johnson, Krishnan, Mey, Mintz, and Washburn.

Not attending the second meeting were Profs. Bennett, Descarfino, Ferretti, Goldberg, Pierre, Polizzotto, Segal, V.P. Rios, Ms. Collins, Mr. Robinson, and Mr. Winnick.

- A. The Council nominated and elected two faculty/staff members (Profs. Hume and Perea) and one student member (Mr. Ng) to the Committee on Committees.

Also nominated were Profs. Miranda (declined), Del Principe, and Mikalopas.

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

Prof. Rick Repetti	2019
Prof. Anna Rozenboym	2019
Prof. Michael Barnhart	2020
Ms. Judy Cohen	2020
Prof. Katia Perea	2020
Prof. Michael Sokolow	2020
Prof. Don Hume.....	2021
Mr. Ng	2019

- B. The Faculty members of the Council nominated and elected 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.

Prof. Scott Cally was elected with 20 votes; the remainder were 6 votes for Prof. Feeley and 3 abstentions.

- C. The Committee on Committees met and confirmed the standing committee assignments for new Council members. Each committee then elected its officers for the 2018-2019 academic year, with the results posted at http://www.kbcc.cuny.edu/college_council/Documents/2018-2019/2018_CC_members.pdf.

The meeting adjourned at 4:20 PM.

Respectfully submitted,

Michael Sokolow

Michael Sokolow, Secretary