

## MONTHLY REPORT: October 2018 - COMMITTEE ON CURRICULUM

**To:** Joel Kuszai, Academic Senate Steering Committee  
**From:** Todd Holden, November 2, 2018  
**Subject:** Committee on Curriculum October 2018 Monthly Report for the November 2018 Senate  
**CC:** College Archives (CWilliams@qcc.cuny.edu)

The Committee on Curriculum has voted to send the following recommendations and notices to the Academic Senate:

13 course revisions (1 experimental)

6 program revisions

1 resolution regarding a number change for 2 specific courses

### 1. COURSE REVISIONS

#### ENGINEERING TECHNOLOGY DEPARTMENT

ET-232 Wireless Mobile Communications

Departmental approval: August 23, 2018

FROM	TO
Wireless Mobile Communications	Wireless Mobile Communications
<del>3 class hours</del> 3 credits	<u>2 class hours 2 laboratory hours</u> 3 credits
Pre-requisite: ET 704 or Department Permission	Pre-requisite: ET 704 or Department Permission
Co-requisite: None	Co-requisite: None
This course covers the important aspects of mobile and wireless communications from the Internet to signals, access protocols and cellular systems, emphasizing the key area of digital data transfer.	This course covers the important aspects of mobile and wireless communications from the Internet to signals, access protocols and cellular systems, emphasizing the key area of digital data transfer. <u>Students engage in hands-on lab activities.</u>

#### Rationale:

Wireless networks are now essential infrastructure components. In learning the concepts of wireless networks via hands-on labs, students get the opportunity to understand the underlying technologies needed to prepare the engineers and technologists for the next generation. However, students find the material on wireless to be very challenging, thus we propose to include project based learning using hands-on lab to provide hands-on skills and improve learning outcomes. These hands-on projects are laboratory based, and provide problem-based learning.

ET-506 Introduction to UNIX (LINUX) (revision includes a title change)

Departmental approval: August 23, 2018

FROM	TO
ET-506	ET-506
<del>Introduction to UNIX (LINUX)</del>	<u>Linux Operating System</u>
<del>3 lecture hours 3 laboratory hours 4 credits</del>	<u>2 class hours 2 laboratory hours 3 credits</u>

FROM	TO
Pre-requisite: <del>ET-501 or permission of the Department</del>	Pre-requisite: <u>None</u>
Co-requisite: <u>None</u>	Co-requisite: <u>ET-704 or Department Permission</u>
<del>This foundation course provides a general understanding of the UNIX operating system and teaches the basic skills for using it. Topics include: file system concepts, basic UNIX commands, data manipulation, shell programming, and the vi editor. The course includes extensive hands-on training and stresses practical skills that will improve performance.</del>	<u>This foundation course introduces the basics of Linux system administration and security. Linux core topics include shell commands and processes with an emphasis on administration including files and directory structure, user and group management, networking and shell scripting. Linux security topics include: vulnerability analysis, intrusion detection, firewall and file system encryption. Hands-on lab activities will complement the lecture topics.</u>

Rationale:

Over time Linux has replaced UNIX and has become the predominant operating system in most applications. Security is of primary concern for all modern operating systems. Thus this introductory course addresses security fundamentals in addition to traditional administration or services. ET-704 Computer Networking is designated as a co-requisite in order to sufficiently support security concepts and implementation. ET-704 is already required in both the Computer Engineering Technology and Internet Information Technology curriculum. The course is being reduced from 4 credits in 3-hours lecture and 3-hours lab to 3 credits in 2-hours lecture and 2- hours lab to be in line with courses offered at other colleges such as City Tech and John Jay.

ET-501 has been removed from all ET degrees and thus is removed from the listing of prerequisite courses. The co-requisite of ET-704 is added in its place

ET- 580 Object Oriented Programming

Departmental approval: August 23, 2018

FROM	TO
ET-580	ET-580
<del>Object Oriented</del> Programming	<u>Object-Oriented</u> Programming
<del>3 class hours</del> 3 credits	<u>2 class hours 2 laboratory hours</u> 3 credits
Pre-requisite: ET-575	Pre-requisite: ET-575
Co-requisite: None	Co-requisite: None
<del>This course covers object-oriented algorithmic problem solving using C++. Topics include pointers, pointer arithmetic; linked lists; memory management; recursion; operator overloading; inheritance and polymorphism; stream and file I/O; exception handling; templates and STL; applications of simple data structures and debugging techniques.</del>	<u>This course covers object-oriented algorithmic problem solving using C++. Topics include pointers, pointer arithmetic; linked lists; memory management; recursion; operator overloading; inheritance and polymorphism; stream and file I/O; exception handling; templates and STL; applications of simple data structures and debugging techniques. Hands-on lab activities will complement the lecture topics.</u>

Rationale:

While the present 3 hr course is transferable to Computer Science and Information Security (CSS) at John Jay, we are finding that many CSS students prefer to attend Queens College (QC) or City Tech due to their proximity. The comparable courses at both QC and City Tech are 2 hours lecture and 2 hours lab. Thus the course has been modified to include the required lab in order to make the course transferable to QC and City Tech. Articulation agreements will be pursued with both institutions.

The course description has been revised to more accurately reflect the contents of the course to assist in the transfer and articulation processes.

#### ARCH-111 Architectural Design I

Departmental approval: August 23, 2018

FROM	TO
ARCH-111	ARCH-111
Architectural Design I	Architectural Design I
2 class hours, 4 laboratory hours, 3 credits	2 class hours, 3 laboratory hours, 3 credits
Pre-requisite: None	Pre-requisite: None
Co-requisite: ARCH-119	Co-requisite: ARCH-119
An introduction to the fundamentals of architectural design. Students will develop the ability to perceive visual cues, create visual design, formulate concepts, and render ideas in two and three dimensions. Using a combination of manual and digital skills, students will create and interpret three dimensional objects and spaces and develop drawings and renderings using standard projection systems.	An introduction to the fundamentals of architectural design. Students will develop the ability to perceive visual cues, create visual design, formulate concepts, and render ideas in two and three dimensions. Using a combination of manual and digital skills, students will create and interpret three dimensional objects and spaces and develop drawings and renderings using standard projection systems.

#### Rationale:

The change in contact hours for ARCH-111 is proposed to be in line with courses at other colleges, such as CUNY City Tech and SUNY Farmingdale. The change for this and for ARCH-113 are designed to facilitate student enrollment in a full course load.

#### ARCH-113 Building Technology I

Departmental approval: August 23, 2018

FROM	TO
ARCH-113	ARCH-113
Building Technology I	Building Technology I
2 class hours, 3 laboratory hours, 3 credits	2 class hours, 2 laboratory hours, 3 credits
Pre-requisite: None	Pre-requisite: None
Co-requisite: <del>ARCH-111 or CONM-111</del>	Co-requisite: <u>None</u>
An introduction to the basic materials and elements of construction. System analysis, including the study of materials properties and their proper selection. Fundamental principles of architectural drafting. Surveying existing conditions, development of drawings of plans, elevations, sections, and basic details from foundation to roof. An emphasis is on wood and masonry and shallow foundation systems.	An introduction to the basic materials and elements of construction. System analysis, including the study of materials properties and their proper selection. Fundamental principles of architectural drafting. Surveying existing conditions, development of drawings of plans, elevations, sections, and basic details from foundation to roof. An emphasis is on wood and masonry and shallow foundation systems.

#### Rationale:

The removal of the requisite requirement for ARCH-113 is proposed because it is an introductory course where understanding of architectural design, such as manual drafting and computer aided design, is not necessary to understand the building construction methods. The laboratory hours are reduced to 2 hours to conform with

comparable courses at other schools, such as CUNY City Tech and SUNY Farmingdale and to facilitate student enrollment in a full course load.

#### ARCH-121 Architectural Design II

Departmental approval: August 23, 2018

FROM	TO
ARCH-121	ARCH-121
Architectural Design II	Architectural Design II
3 class hours, <del>3</del> laboratory hours, 4 credits	3 class hours, <u>2</u> laboratory hours, 4 credits
Pre-requisite: ARCH-111 <del>and ARCH-119, both</del> with a grade of C or higher	Pre-requisite: ARCH-111 with a grade of C or higher
Co-requisite: ARCH-129	Co-requisite: ARCH-129
A continuation of the concepts begun in ARCH-119. Students will increase their knowledge of architectural design. A more in-depth study of in the perception of visual cues, the creation of visual designs, the formulation of concepts, and the rendering of ideas in two and three dimensions. Using a combination of manual and digital skills, students will create and interpret three dimensional objects and spaces and develop drawings and renderings using standard projection systems.	A continuation of the concepts begun in ARCH-119. Students will increase their knowledge of architectural design. A more in-depth study of in the perception of visual cues, the creation of visual designs, the formulation of concepts, and the rendering of ideas in two and three dimensions. Using a combination of manual and digital skills, students will create and interpret three dimensional objects and spaces and develop drawings and renderings using standard projection systems.

#### Rationale:

The modification of pre-requisite requirement for ARCH-121 is proposed in order to simplify the description of the requisites. The actual requisites are not changing. The pre-requisite of ARCH-119 is still in effect since ARCH-111 is still a pre-requisite and ARCH-119 is already a co-requisite to ARCH-111.

The reduction in contact hours is proposed to be consistent with courses at other colleges, such as CUNY City Tech and SUNY Farmingdale and to facilitate student enrollment in a full course load.

#### ARCH-123 Building Technology II

Departmental approval: August 23, 2018

FROM	TO
ARCH-123	ARCH-123
Building Technology II	Building Technology II
<del>4</del> lecture hour, <del>2</del> <del>recitation</del> hours, 3 laboratory hours, 3 credits	<u>2</u> lecture hours, 3 laboratory hours, 3 credits
Pre-requisite: ARCH-113 with a grade of C or higher	Pre-requisite: ARCH-113 with a grade of C or higher
Co-requisite: None	Co-requisite: None
A study of the basic materials of construction and the theory and practice of building technology. The course will include investigation of the assembly of building components and methods of construction and framing. Students will develop proficiency in both analog and digital drawing building information	A study of the basic materials of construction and the theory and practice of building technology. The course will include investigation of the assembly of building components and methods of construction and framing. Students will develop proficiency in both analog and digital drawing building information modeling (BIM) techniques, and professionally

FROM	TO
modeling (BIM) techniques, and professionally presented construction drawings.	presented construction drawings. <u>Generally offered only in the spring semester.</u>

Rationale:

The contact hours are reduced by 1 hour to be consistent with comparable courses at other schools, such as CUNY City Tech and SUNY Farmingdale and to facilitate student enrollment in a full course load.

ARCH-125 Surveying and Site Planning

Departmental approval: August 23, 2018

FROM	TO
ARCH-125	ARCH-125
Surveying and Site Planning	Surveying and Site Planning
2 class hours, 3 laboratory hours, 3 credits	2 class hours, 3 laboratory hours, 3 credits
Pre-requisite: MA-114, <del>ARCH-113, ARCH-121, all</del> with a grade of C or higher	Pre-requisite: MA-114 with a grade of C or higher
Co-requisite: None	Co-requisite: None
Principles and practice of elementary surveying. Application of the fundamental techniques of site planning principles and the use of topographical maps and models. The importance of site development as it relates to architecture and sustainable site development. Field work in practical application of surveying techniques; measurement of distances, angles, and elevations. Computation and mapping of closed traverses.	Principles and practice of elementary surveying. Application of the fundamental techniques of site planning principles and the use of topographical maps and models. The importance of site development as it relates to architecture and sustainable site development. Field work in practical application of surveying techniques; measurement of distances, angles, and elevations. Computation and mapping of closed traverses. <u>Due to weather constraints only offered in the fall semester.</u>

Rationale:

The modification of pre-requisites requirement for ARCH-125 is proposed because this course requires basic understandings of geometry and trigonometry to measure the distance, angles and height of land and contours. Prior knowledge of construction methods or building designs are not necessary. There is no change to the course itself.

ARCH-129 Visualization II

Departmental approval: August 23, 2018

FROM	TO
ARCH-129	ARCH-129
Visualization II	Visualization II
1 class hour, 3 laboratory hours, 2 credits	1 class hour, 3 laboratory hours, 2 credits
Pre-requisite: <del>ARCH-111 OR CONM-111, AND</del> ARCH-119, <del>both</del> with a grade of C or higher	Pre-requisite: ARCH-119 with a grade of C or higher
Co-requisite: None	Co-requisite: None
A continuation of the concepts of architectural representation and visualization begun in <del>ARCH-111</del>	A continuation of the concepts of architectural representation and visualization begun in ARCH-119.

FROM	TO
<del>and</del> ARCH-119. The focus is on precise crafting of physical and analogue models and architectural presentations, analogue and digital rendering techniques, and representation of geospatial information. Students hone their skills using manual and digital tools and enhance their design work by strengthening visual, verbal, and graphical skills. Students will demonstrate fluency in and understanding of key design vocabulary, concepts, and visual techniques.	The focus is on precise crafting of physical and analogue models and architectural presentations, analogue and digital rendering techniques, and representation of geospatial information. Students hone their skills using manual and digital tools and enhance their design work by strengthening visual, verbal, and graphical skills. Students will demonstrate fluency in and understanding of key design vocabulary, concepts, and visual techniques.

Rationale:

The modification of requisite requirement for ARCH-129 is proposed because ARCH-119 is sufficient preparation for this course. There is no change to the course itself.

The course description is changed to reflect this.

ARCH-231 Architectural Design III

Departmental approval: August 23, 2018

FROM	TO
ARCH-231	ARCH-231
Architectural Design III	Architectural Design III
3 class hours, <del>3</del> laboratory hours, 4 credits	3 class hours, <u>2</u> laboratory hours, 4 credits
Pre-requisite: ARCH-121 <del>and ARCH-129, both</del> with a grade of C or higher	Pre-requisite: ARCH-121 with a grade of C or higher
Co-requisite: <del>ARCH-125</del>	Co-requisite: <u>None</u>
An exploration of abstract architectural design theory in the expression of three-dimensional space. The creation of comprehensive architectural design projects are developed following a building program and incorporating element of site, enclosure, structure, material and technology. Design concepts and vocabulary are introduced and strengthened through design projects. A juried presentation will take place at the completion of each project.	An exploration of abstract architectural design theory in the expression of three-dimensional space. The creation of comprehensive architectural design projects are developed following a building program and incorporating element of site, enclosure, structure, material and technology. Design concepts and vocabulary are introduced and strengthened through design projects. A juried presentation will take place at the completion of each project. <u>Generally offered only in the fall semester.</u>

Rationale:

The modification of requisite requirement for ARCH-231 is proposed since ARCH-129 is already a co-requisite to ARCH-121. The effective requisite requirements remains unchanged. The contact hours are reduced to be consistent with comparable courses at other schools.

Knowledge of ARCH-125 is not necessary to ARCH-231.

ARCH-237 Environmental Systems

Departmental approval: August 23, 2018

FROM	TO
ARCH-237	ARCH-237
Environmental Systems	Environmental Systems
3 class hours, 3 credits	3 lecture hours, 3 credits
Pre-requisite: <del>ARCH-123 with a grade of C or higher</del>	Pre-requisite: <u>None</u>
Co-requisite: <u>None</u>	Co-requisite: <u>ARCH-123</u>
A survey of systems employed in buildings including plumbing, electrical, heating, ventilation, air conditioning and fire alarm and suppression. System components, design, application, equipment locations and distribution will be examined. Sustainability and energy efficiency applications will be addressed and software used for data analysis. National codes are introduced.	A survey of systems employed in buildings including plumbing, electrical, heating, ventilation, air conditioning and fire alarm and suppression. System components, design, application, equipment locations and distribution will be examined. Sustainability and energy efficiency applications will be addressed and software used for data analysis. National codes are introduced. <u>Generally offered only in the spring semester.</u>

Rationale:

The modification of requisite requirements for ARCH-237 is proposed because this course introduces auxiliary components of building design that can be taken together with basic skeletal building construction methods covered in ARCH-123. There is no change to the course itself.

ARCH-248 Structures I

Departmental approval: August 23, 2018

FROM	TO
ARCH-248	ARCH-248
Structures I	Structures I
2 class hours, 4 laboratory hours, 3 credits	2 class hours, <u>2</u> laboratory hours, 3 credits
Pre-requisite: <del>MT-345 with a grade of C or higher</del>	Pre-requisite: <u>None</u>
Co-requisite: <u>None</u>	Co-requisite: <u>MT-345</u>
Design and analysis of steel, reinforced concrete, and timber structures. The behavior of architectural materials in stress and intuitive reasoning related to the mathematical treatment of equilibrium in static structures. Practice in the preparation of structural drawings. Use of structural design codes and specifications.	Design and analysis of steel, reinforced concrete, and timber structures. The behavior of architectural materials in stress and intuitive reasoning related to the mathematical treatment of equilibrium in static structures. Practice in the preparation of structural drawings. Use of structural design codes and specifications. <u>Generally offered only in the spring semester.</u>

Rationale:

The modification from MT-345 as a pre-requisite to MT-345 as a co-requisite is proposed: Strength of Materials (MT-345) and ARCH-248 can be taken together as both courses introduce beam and column analysis based on material selections. The laboratory hours are reduced to 2 hours to conform with comparable courses at other schools and to facilitate student enrollment in a full course load.

REVISION OF EXPERIMENTAL COURSE – (FOR INFORMATION ONLY)

ENGLISH DEPARTMENT

Departmental approval: October 9, 2018

## BE102 - Developing Competence in College Reading, Writing, and Study Skills

FROM	TO
BE 102 (experimental)	BE 102 (experimental)
Developing Competence in College Reading, Writing, and Study Skills	Developing Competence in College Reading, Writing, and Study Skills
4 class hours, 0 credits	4 class hours, 0 credits, <u>4 equated credits</u>
Pre-requisite: Students who have passed both BE 111 and BE 121 or those that have scored a 48-55 on the CATW and a 58-69 on the ACT or 40-54 on Accuplacer are eligible for the course	Pre-requisite: Students who have passed both BE 111 and BE 121 or those that have scored a 48-55 on the CATW and a 58-69 on the ACT or 40-54 on Accuplacer are eligible for the course
Co-requisite: ENGL 101	Co-requisite: ENGL 101
For students who need intensified instruction in both reading and writing, as determined by a standard skills assessment or placement test and screening results. Emphasis is on the link between the concurrent development of reading and writing skills, with special attention paid to the use of critical thinking to analyze a range of written texts and the production of organized, well-developed essays and reports. Computer-integrated pedagogy, theme-based curriculum, and in-class tutor support are important aspects of the course.	For students who need intensified instruction in both reading and writing, as determined by a standard skills assessment or placement test and screening results. Emphasis is on the link between the concurrent development of reading and writing skills, with special attention paid to the use of critical thinking to analyze a range of written texts and the production of organized, well-developed essays and reports. Computer-integrated pedagogy, theme-based curriculum, and in-class tutor support are important aspects of the course.

### Rationale:

The previously approved course did not correctly include the equated credits. They have been included here for clarification.

## 2. PROGRAM REVISIONS

### Department of Art and Design

Departmental approval date: May 9, 2018

### Revisions of the Digital Art and Design Program

### Rationale:

1. The wording was switched at some point to read 'required' in regard to CH-106, not 'recommended.' It should be the latter.
2. The ET department changed their ET 710 from 4 credits to 3. We have to adjust our program accordingly.

1. Department:	Art and Design
2. Program Name:	Digital Art and Design
3. Program Code:	26677
4. HEGIS Number:	5012
5. Date approved by department:	
6. Date consulted with the Office of Academic Affairs:	
7. Date submitted to the Committee on Curriculum:	
8. Date approved by the Committee on Curriculum:	
9. Date the changes will be effective (if approved)	

Month	Day	Year
5	9	2018
9	20	2018
9	26	2018
10	2	2018
1	25	2019



**10. Rationale: Why this revision is needed or desired.**

1. The wording was switched at some point to read 'required' in regard to CH-106, not 'recommended.' It should be the latter.
2. ~~The ET department changed their ET 710 from 4 credits to 3. We have to adjust our program accordingly. (This second item was removed by friendly amendment at the 11/13/2018 Academic Senate meeting because it was already passed during the 2016-2017 Academic year. The affected parts of this report have been edited to reflect this change.)~~

**11. All text or items that will be deleted or changed should be marked with a strikethrough.**

**12. All new text, courses, credits, etc. should be marked by underlining.**

**13. Show the whole set of program requirements in a From/To format.**

<b>From:</b>		<b>To:</b>	
<b>Common Core</b>	<b>Credits</b>	<b>Common Core</b>	<b>Credits</b>
REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	6	REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	6
REQUIRED CORE 1B: MA-321 Mathematics in Contemporary Society	3	REQUIRED CORE 1B: MA-321 Mathematics in Contemporary Society	3
REQUIRED CORE 1C: <del>CH-106 Chemistry in the Arts (STEM)<sup>1</sup></del>	4	REQUIRED CORE 1C: <u>Life &amp; Physical Sciences (recommended: CH-106)</u>	<u>3-4</u> <sup>1</sup>
FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3	FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3
FLEXIBLE CORE 2B: U.S. Experience & Its Diversity (select one from 2B)	3	FLEXIBLE CORE 2B: U.S. Experience & Its Diversity (select one from 2B)	3
FLEXIBLE CORE 2C: Creative Expression (recommended: ARTH-100, ARTH-101, ARTH-115, ARTH-116, ARTH-117 or ARTH-120)	3	FLEXIBLE CORE 2C: Creative Expression (recommended: ARTH-100, ARTH-101, ARTH-115, ARTH-116, ARTH-117 or ARTH-120)	3
FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3	FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3
FLEXIBLE CORE 2E: Scientific World (select from 2E)	3	FLEXIBLE CORE 2E: Scientific World (select from 2E)	3
FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: (recommended: ARTH-225)	3	FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: (recommended: ARTH-225)	3
<b>Sub-Total</b>	<b>34</b>	<b>Sub-Total</b>	<b><u>30-31</u></b>
<b>Requirements for the Major</b>		<b>Requirements for the Major</b>	
ARTS-121 Two Dimensional Design or ARTS-122 Three Dimensional Design	3	ARTS-121 Two Dimensional Design or ARTS-122 Three Dimensional Design	3
ARTS-141 Introduction to Photography	3	ARTS-141 Introduction to Photography	3

ARTS-151 Drawing I or ARTS-221 Color Theory	3	ARTS-151 Drawing I or ARTS-221 Color Theory	3
ARTS-192 Web Animation	3	ARTS-192 Web Animation	3
ARTS-290 Advertising Design & Layout	3	ARTS-290 Advertising Design & Layout	3
ARTS-291 Electronic Imaging	3	ARTS-291 Electronic Imaging	3
ARTS-292 Design for Desktop Publishing	3	ARTS-292 Design for Desktop Publishing	3
ARTS-293 Design for Motion Graphics	3	ARTS-293 Design for Motion Graphics	3
ET-710 Web Technology: Building & Maintaining Web Sites	3	ET-710 Web Technology: Building & Maintaining Web Sites	3
<b>Sub-Total</b>	<b>27</b>	<b>Sub-Total</b>	<b>27</b>
<b>Additional Requirements for the Major</b>		<b>Additional Requirements for the Major</b>	
Laboratory Science <sup>2</sup>	0-1	Laboratory Science <sup>2</sup>	0-1
<b>Electives</b>		<b>Electives</b>	
Free electives (strongly recommended: ARTS-390 Portfolio Project in Studio Art)	2	Free electives (strongly recommended: ARTS-390 Portfolio Project in Studio Art)	2
<b>Total</b>	<b>60</b>	<b>Total</b>	<b>60</b>

**14. Add all Program notes in 14A.**

**Add all Course notes in 14B (Number your notes).**

**14A. Program Note**

From:	To:
All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.	All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.

**14B. Course Note**

From:	To:
<del><sup>1</sup>Students who have completed CH-103 and CH-104 have fulfilled the requirement for CH-106.</del> <sup>2</sup> Laboratory science elective required for students who do not take STEM Variant in Required	<sup>1</sup> The credit range accounts for STEM variant in 1C. <sup>2</sup> Laboratory science elective required for students who do not take STEM Variant in Required <u>Core 1C</u>

**15. Write a summary for all of the changes.**

1. The wording for REQUIRED CORE 1C: was switched from requiring CH-106 to recommending it.

**16. If the program revision includes course revisions or new courses, submit the appropriate Course Revision form and/or New Course Proposal Form, along with the Syllabus and Course Objectives**

form.

17. If courses will be deleted from the program, make clear whether the courses are to be deleted from the department's offerings as well.

18. Explain briefly how students currently in the program will be able to complete the requirements

1. Any bucket "1C" option will satisfy the requirement.
2. An additional course will fulfill the free elective requirement.

### Department of Art and Design

Departmental approval date: September 27, 2018

### Revisions of the Art A.S. Degree (Concentrations Art and Design, Art History) Program

#### Rationale:

Originally there was one degree in Art and Design. With accreditation that degree was split into two concentrations: Art History and Art and Design. As such there is an issue in the ARTH credit choices in the AS degree in Art and Design. Currently students can effectively overload on ARTH credits and take minimal studio classes while still having a concentration in Art and Design.

To clarify the concentration and preclude that option we have modified it as follows:

1. Some of the ARTH elective courses have been copied to the (SIX-6- CREDIT) Art History section
2. A minimum number of required ARTS credits has been established
3. Some course names have been revised

1. **Department:** Art and Design
2. **Program Name:** Art A.S. Degree (Concentrations Art and Design, Art History)
3. **Program Code:** 38008
4. **HEGIS Number:** 5610

5. **Date approved by department:**
6. **Date consulted with the Office of Academic Affairs:**
7. **Date submitted to the Committee on Curriculum:**
8. **Date approved by the Committee on Curriculum:**
9. **Date the changes will be effective (if approved)**
10. **Rationale: Why this revision is needed or desired.**

Month	Day	Year
9	27	2018
10	2	2018
10	15	2018
10	30	2018
1	25	2019

Originally there was one degree in Art and Design. With accreditation that degree was split into two concentrations: Art History and Art and Design. As such there is an issue in the ARTH credit choices in the AS degree in Art and Design. Currently students can effectively overload on ARTH credits and take minimal studio classes while still having a concentration in Art and Design. To clarify the concentration and preclude that option we have modified it as follows:

4. Some of the ARTH elective courses have been copied to the (SIX-6- CREDIT) Art History section
5. A minimum number of required ARTS credits has been established
6. Some course names have been revised

11. All text or items that will be deleted or changed should be marked with a ~~strikethrough~~.
12. All new text, courses, credits, etc. should be marked by underlining.
13. Show the whole set of program requirements in a From/To format.

From:		To:	
Common Core	Credits	Common Core	Credits
REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	6	REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	6
REQUIRED CORE 1B: MA-321 Mathematics in Contemporary Society	3	REQUIRED CORE 1B: MA-321 Mathematics in Contemporary Society	3
REQUIRED CORE 1C: Life and Physical Sciences (select one from 1C)	3	REQUIRED CORE 1C: Life and Physical Sciences (select one from 1C)	<del>3</del> <u>4</u>
FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3	FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3
FLEXIBLE CORE 2B: U.S. Experience & Its Diversity (select one from 2B)	3	FLEXIBLE CORE 2B: U.S. Experience & Its Diversity (select one from 2B)	3
FLEXIBLE CORE 2C: Creative Expression (select one from 2C <sup>1</sup> )	3	FLEXIBLE CORE 2C: Creative Expression ( <u>recommended:</u> <u>ARTH-100, ARTH-101, ARTH-202 ARTH-115,</u> <u>ARTH-116, ARTH-117 or ARTH-120</u> ) (select one from 2C <sup>1</sup> )	3
FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3	FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3
FLEXIBLE CORE 2E: Scientific World (select one from 2E)	3	FLEXIBLE CORE 2E: Scientific World (select one from 2E)	3
FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: (select one course <sup>2</sup> )	3	FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: (select one course <sup>2</sup> )	3
<b>Sub-Total</b>	<b>30</b>	<b>Sub-Total</b>	<b><del>30</del><u>31</u></b>
<b>Requirements for the Major</b>		<b>Requirements for the Major</b>	
All students in the Art A.S. Degree Program must complete one of the concentrations: Art & Design or Art History, (see details this and following page) to complete the degree requirements		All students in the Art A.S. Degree Program must complete one of the concentrations: Art & Design or Art History, (see details this and following page) to complete the degree requirements	
<b>ART AND DESIGN CONCENTRATION</b>	<del>21-23</del>	<b>ART AND DESIGN CONCENTRATION</b> (A minimum of 16 credits in ARTS courses required)	<del>22-24</del>
<b>SIX (6) CREDITS FROM:</b> ARTH-100 Introductory Survey of Art ARTH-101 History of Art I ARTH-115 Modern Art ARTH-116 American Art ARTH-117 History of Photography ARTH-120 Contemporary Art		<b>SIX (6) CREDITS FROM:</b> ARTH-100 Introductory Survey of Art ARTH-101 History of Art I ARTH-115 Modern Art ARTH-116 American Art ARTH-117 History of Photography ARTH-120 Contemporary Art	

<p>ARTH-126 History of Asian Art ARTH-202 History of Art II</p> <p><b>14-20 CREDITS FROM:</b></p> <p>ARTH-115 Modern Art ARTH-116 American Art ARTH-117 History of Photography ARTH-120 Contemporary Art ARTH-126 History of Asian Art ARTH-128 History of African Arts ARTH-150 Art Administration ARTS-121 Two-Dimensional Design ARTS-122 Three-Dimensional Design: Introduction to Sculpture <del>ARTS-130 Art for Teachers of Children I</del> <del>ARTS-131 Art for Teachers of Children II</del> ARTS-132 Introduction to Art Therapy ARTS-141 Introduction to Photography ARTS-151 Drawing I ARTS-161 Painting I ARTS-182 Sculpture ARTS-186 Ceramics I ARTS-191 Introduction to Video Art ARTS-192 Web-Animation ARTH-225 History of Graphic Design ARTH-251 Art Curating ARTH-252 Art Institutions and the Business of Art ARTS-221 Color Theory ARTS-242 Advanced Photographic Skills ARTS-243 Digital Photography ARTS-252 Drawing II ARTS-253 Illustration ARTS-262 Painting II ARTS-263 Painting III ARTS-270 Printmaking: Relief and Stencil ARTS-271 Printmaking: Intaglio ARTS-286 Ceramics II ARTS-290 Advertising Design and Layout ARTS-291 Electronic Imaging ARTS-292 Design for Desktop Publishing ARTS-293 Design for Motion Graphics ARTH-380 Gallery Internship I ARTH-381 Gallery Internship II ARTS-343 Large Format and Studio Photography ARTS-344 Photography as Fine Art ARTS-345 Creating The Documentary Image ARTS-346 Color Photography ARTS-348 Photographing People ARTS-349 Illustration and Fashion Photography ARTS-380 Artist Apprentice Internship I ARTS-381 Artist Apprentice Internship II ARTS-382 Special Problems in Studio Art I ARTS-383 Special Problems in Studio Art II ARTS-390 Portfolio Project in Studio Art</p>		<p>ARTH-126 History of Asian Art <u>ARTH-128 History of African Arts</u> <u>ARTH-150 Art Administration</u> ARTH-202 History of Art II <u>ARTH-225 History of Graphic Design</u></p> <p><b>16-18 CREDITS FROM:</b></p> <p>ARTH-115 Modern Art ARTH-116 American Art ARTH-117 History of Photography ARTH-120 Contemporary Art ARTH-126 History of Asian Art ARTH-128 History of African Arts ARTH-150 Art Administration ARTS-121 Two-Dimensional Design ARTS-122 Three-Dimensional Design: Introduction to Sculpture <u>ARTS-130 Art Methods for the K-8 Curriculum I</u> <u>ARTS-131 Art Methods for the K-8 Curriculum II</u> ARTS-132 Introduction to Art Therapy ARTS-141 Introduction to Photography ARTS-151 Drawing I ARTS-161 Painting I ARTS-182 Sculpture ARTS-186 Ceramics I ARTS-191 Introduction to Video Art ARTS-192 Web-Animation ARTH-225 History of Graphic Design ARTH-251 Art Curating ARTH-252 Art Institutions and the Business of Art ARTS-221 Color Theory ARTS-242 Advanced Photographic Skills ARTS-243 Digital Photography ARTS-252 Drawing II ARTS-253 Illustration ARTS-262 Painting II ARTS-263 Painting III ARTS-270 Printmaking: Relief and Stencil ARTS-271 Printmaking: Intaglio <u>ARTS-272 Printmaking II</u>  ARTS-286 Ceramics II ARTS-290 Advertising Design and Layout ARTS-291 Electronic Imaging ARTS-292 Design for Desktop Publishing ARTS-293 Design for Motion Graphics ARTH-380 Gallery Internship I ARTH-381 Gallery Internship II ARTS-343 Large Format and Studio Photography ARTS-344 Photography as Fine Art ARTS-345 Creating The Documentary Image ARTS-346 Color Photography ARTS-348 Photographing People ARTS-349 Illustration and Fashion Photography ARTS-380 Artist Apprentice Internship I ARTS-381 Artist Apprentice Internship II ARTS-382 Special Problems in Studio Art I ARTS-383 Special Problems in Studio Art II ARTS-390 Portfolio Project in Studio Art</p>	
<p><b>ELECTIVES</b> Free electives</p>	0-3	<p><b>ELECTIVES</b> Free electives</p>	0-2
<b>ART HISTORY CONCENTRATION</b>	21-23	<b>ART HISTORY CONCENTRATION</b>	21-24

Students select 21-23 credits in consultation with a departmental adviser as follows:		Students select 21-24 credits in consultation with a departmental adviser as follows:	
<b>THE FOLLOWING COURSES ARE REQUIRED (6 CREDITS):</b> ARTH-101 History of Art I ARTH-202 History of Art II		<b>THE FOLLOWING COURSES ARE REQUIRED (6 CREDITS):</b> ARTH-101 History of Art I ARTH-202 History of Art II	
<b>14-20 CREDITS FROM <sup>4</sup>:</b> ARTH-115 Modern Art ARTH-116 American Art ARTH-117 History of Photography ARTH-120 Contemporary Art ARTH-126 History of Asian Art ARTH-128 History of African Arts ARTH-150 Art Administration ARTH-225 History of Graphic Design ARTH-251 Art Curating ARTH-252 Art Institutions and the Business of Art		<b>15-18 CREDITS FROM<sup>3</sup>:</b> ARTH-115 Modern Art ARTH-116 American Art ARTH-117 History of Photography ARTH-120 Contemporary Art ARTH-126 History of Asian Art ARTH-128 History of African Arts ARTH-150 Art Administration ARTH-225 History of Graphic Design ARTH-251 Art Curating ARTH-252 Art Institutions and the Business of Art	
<b>ELECTIVES</b> Free electives	0-3	<b>ELECTIVES</b> Free electives	0-3
<b>Additional Requirements for the Major</b>		<b>Additional Requirements for the Major</b>	
SP-211 <sup>3</sup> Speech Communication	3	SP-211 <sup>4</sup> Speech Communication	3
HE-101 Introduction to Health Education or HE-102 Health Behavior & Society	1-2	HE-101 Introduction to Health Education or HE-102 Health Behavior & Society	1-2
One course in PE-400 or PE-500 series or DAN-100 series	1	One course in PE-400 or PE-500 series or DAN-100 series	1
Laboratory Science <sup>3</sup> BI-132, BI-171, CH-102, CH-111, CH-121, ET-842, PH-112	0-1	Laboratory Science <sup>5</sup> BI-132, BI-171, CH-102, CH-111, CH-121, ET-842, PH-112	0-1
<b>Total</b>	<b>60</b>	<b>Total</b>	<b>60</b>

**14. Add all Program notes in 14A.**

**Add all Course notes in 14B (Number your notes).**

**14A. Program Note**

From:	To:
All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements	All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements

**14B. Course Note**

From:	To:
<del>1 Recommended: select from area different from concentration (ARTH 100—ARTH 128 including ARTH 202 &amp; ARTH 225, or DAN 111, or MU 110, or MU 120, or SP 471, or SP 472, or TH 111).</del> 2 Recommended: select course from 2C in concentration discipline. <del>3</del> Students who have taken SP-211 in the Common Core are recommended to take a Foreign Language course; or HIST-110, HIST-111, HIST-112; or a Social Sciences course.	1 Students taking the Art History concentration should not take ARTH 100. Rather, they should take ARTH101 and ARTH-202. Students taking the Art and Design concentration may take ARTH-100. 2 Recommended: select course from 2C in concentration discipline (see note 1). <del>3</del> One studio art course may be substituted for an art history course in consultation with a departmental adviser. 4 Students who have taken SP-211 in the Common Core are recommended to take a Foreign Language

4-Students who have taken a STEM Variant course in the Common Core 1C have fulfilled this requirement.	course; or HIST-110, HIST-111, HIST-112; or a Social Sciences course 5 Students who have taken a STEM Variant course in the Common Core 1C have fulfilled this requirement.
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**15. Write a summary for all of the changes.**

1. ARTH 128, 225, and 150 have been added to the “six credits from” group of ARTH classes
2. Students would need to take a minimum of 16 credits of ARTS classes.
3. Both of these groups would fall under the “Requirements for the major” as they had before.
4. ARTS-130/131 course names have been updated.
5. ARTS-272 has been added to the list of ARTS concentration courses
6. ARTH-202 has been added to Flexible Core C with a footnote.

**16. If the program revision includes course revisions or new courses, submit the appropriate Course Revision form and/or New Course Proposal Form, along with the Syllabus and Course Objectives form.**

**17. If courses will be deleted from the program, make clear whether the courses are to be deleted from the department’s offerings as well.**

**18. Explain briefly how students currently in the program will be able to complete the requirements**

3. As they did before.

**Department of Health, Physical Education, and Dance**

Departmental approval date: September 12, 2018

Revisions of the Dance – Associate in Science (A.S.) Degree Program

**Rationale:**

Since the curricular changes to the A.S. degree program in Dance in 2015, the program has become much stronger in preparing our students for professional careers in dance as well as for transferring to strong BFA dance programs. Since the latest revision in the curriculum, we have had students transfer to Rutgers University (BFA), Marymount Manhattan College (BFA), SUNY Brockport (BFA), Hofstra University (BA in Dance Education), Queens College (BA), Montclair State University (BFA), and Long Island University/Brooklyn Campus (BFA). The curriculum changes have meant that more of our students have transferred to strong dance programs than ever before. Furthermore, the dance program has continued to grow in popularity at the college.

As a means of further strengthening our program, we are pursuing accreditation with the National Association of Schools of Dance (NASD). In Spring of 2017, we completed a comprehensive self-study for NASD accreditation. In April 2017, the program hosted two NASD site visitors, whose report read, “The stated and published purpose of the dance program is not only viable, but it guides curriculum, instruction, resource allocation, and opportunities for dance majors. Students are very directed and motivated by the program purpose and studying dance at QCC is a holistic experience. Out of class time is in addition to teaching loads and positively benefits majors and their growth.” Further,

the report stated, "Development of Competencies – The institution seems successful in outlining, assessing and developing the competencies of majors. While students typically only have two years of study at QCC, their growth is significant. This can be attributed to clear expectations for levels and standards for progression through the levels of technical study, as well as semesterly assessment of performance that relies on established rubrics and criteria. There is a strong correlation between what is stated in syllabi and what students are expected to master. The dance program should be commended for its attention to this area of their curriculum development."

In the fall of 2017, we were deferred accreditation. We were asked to address several issues for which we are not meeting the NASD standards. Below are the relevant points from the NASD Commission decision for which we were deferred accreditation. These proposed curricular revisions address these issues.

While NASD acknowledges that we meet the technical training standards for students transferring into BA programs in dance, we are required to show that we also meet the requirements for transfer into BFA programs since most of our students are transferring into BFA programs.

1. The Commission acknowledges the information provided in the institution's Optional Response regarding student preparation to transfer to a professional baccalaureate degree and notes the innovative ways in which students with this goal receive customized advising that assists them to make curricular choices that supplements their required dance course work. **However, it is not clear that the published requirements and expected learning outcomes for the two-year liberal arts degree provide sufficient time on task and the development of a common body of knowledge and skills equivalent to the first two years of a professional baccalaureate degree, or how such a course of study serves to "ease the transfer" into professional dance degrees (see Self-study, p. 9).**

To address the issue above, we have revised the dance courses required for graduation. This includes a change from 21-23 credits in dance courses to 27-28 credits in dance courses.

Further, NASD standards require at least one semester of Dance History as a requirement for the degree. While we have been recommending students take DAN-111 to fulfill their Creative Expression Requirement, we have not required it.

2. It is not clear that the institution meets the standard that suggests "at least three semester hours of dance history are required in all associate degree programs intended to transfer" (see *NASD Handbook 2016-17*, Standards of Accreditation IV.B.3.). The Commission notes that students are advised to take DAN 111, Introduction to the Art of Dance as a selection in the General Studies Requirements, however, it is not clear that this course is required or that the current curriculum will ensure that all students receive sufficient study in dance history. The institution is asked to review this issue and to provide further information which demonstrate how this standard is being met.

To address the issue above, the curricular revision requires DAN 111 as part of the common core, under Creative Expression. NASD standards require at least one semester of Dance History as a requirement for the degree.

The last reason for deferral from the Commission which these revisions address is the development of articulation agreements with institutions our students are transferring to.

6. The institution is requested to provide a status report on the development of articulation agreements with four-year institutions offering dance major programs.

To address this issue, these curricular revisions will allow the articulation agreements to match the first two years of study more successfully. For example, we have an existing articulation agreement with Hofstra University's Dance Education program (see attached). However, you will see in the articulation agreement that there is a note requesting that students complete 8 credits of ballet technique and 8 credits of modern technique. These curricular revisions would allow our students to meet that requirement without taking an overload of credits for graduation, allowing them to truly enter Hofstra's program as Juniors.



These curricular revisions make our curriculum closer to the curriculum at BFA dance programs in terms of number of hours of training. These changes will further provide more of our students with the level of dance training they need to transfer to BFA programs and ultimately to have professional careers in dance.

1.	<b>Department:</b>	Health, Physical Education, and Dance
2.	<b>Program Name:</b>	Dance – Associate in Science (A.S.) Degree
3.	<b>Program Code:</b>	38010
4.	<b>HEGIS Number:</b>	5610

	Month	Day	Year
5. <b>Date approved by department:</b>	9	12	2018
6. <b>Date consulted with the Office of Academic Affairs:</b>	10	26	2018
7. <b>Date submitted to the Committee on Curriculum:</b>	10	24	2018
8. <b>Date approved by the Committee on Curriculum:</b>	10	30	2018
9. <b>Date the changes will be effective (if approved)</b>	1	25	2019
10. <b>Rationale: Why this revision is needed or desired.</b>			

Since the curricular changes to the A.S. degree program in Dance in 2015, the program has become much stronger in preparing our students for professional careers in dance as well as for transferring to strong BFA dance programs. Since the latest revision in the curriculum, we have had students transfer to Rutgers University (BFA), Marymount Manhattan College (BFA), SUNY Brockport (BFA), Hofstra University (BA in Dance Education), Queens College (BA), Montclair State University (BFA), and Long Island University/Brooklyn Campus (BFA). The curriculum changes have meant that more of our students have transferred to strong dance programs than ever before. Furthermore, the dance program has continued to grow in popularity at the college.

As a means of further strengthening our program, we are pursuing accreditation with the National Association of Schools of Dance (NASD). In Spring of 2017, we completed a comprehensive self-study for NASD accreditation. In April 2017, the program hosted two NASD site visitors, whose report read, “The stated and published purpose of the dance program is not only viable, but it guides curriculum, instruction, resource allocation, and opportunities for dance majors. Students are very directed and motivated by the program purpose and studying dance at QCC is a holistic experience. Out of class time is in addition to teaching loads and positively benefits majors and their growth.” Further, the report stated, “Development of Competencies – The institution seems successful in outlining, assessing and developing the competencies of majors. While students typically only have two years of study at QCC, their growth is significant. This can be attributed to clear expectations for levels and standards for progression through the levels of technical study, as well as semesterly assessment of performance that relies on established rubrics and criteria. There is a strong correlation between what is stated in syllabi and what students are expected to master. The dance program should be commended for its attention to this area of their curriculum development.”

In the fall of 2017, we were deferred accreditation. We were asked to address several issues for which we are not meeting the NASD standards. Below are the relevant points from the NASD Commission decision for which we were deferred accreditation. These proposed curricular revisions address these issues.

While NASD acknowledges that we meet the technical training standards for students transferring into BA programs in dance, we are required to show that we also meet the requirements for transfer into BFA programs since most of our students are transferring into BFA programs.

1. The Commission acknowledges the information provided in the institution’s Optional Response regarding student preparation to transfer to a professional baccalaureate degree and notes the innovative ways in which students with this goal receive customized advising that assists them to make curricular choices that supplements their required dance course work. **However, it is not clear that the published requirements and expected learning outcomes for the two-year liberal arts degree provide sufficient time on task and the development of a common body of knowledge and skills equivalent to the first two years of a professional baccalaureate degree, or how such a course of study serves to “ease the transfer” into professional dance degrees (see Self-study, p. 9).**

To address the issue above, we have revised the dance courses required for graduation. This includes a change from 21-23 credits in dance courses to 27-28 credits in dance courses.

Further, NASD standards require at least one semester of Dance History as a requirement for the degree. While we have been recommending students take DAN-111 to fulfill their Creative Expression Requirement, we have not required it.

2. It is not clear that the institution meets the standard that suggests “at least three semester hours of dance history are required in all associate degree programs intended to transfer” (see *NASD Handbook 2016-17*, Standards of Accreditation IV.B.3.). The Commission notes that students are advised to take DAN 111, Introduction to the Art of Dance as a selection in the General Studies Requirements, however, it is not clear that this course is required or that the current curriculum will ensure that all students receive sufficient study in dance history. The institution is asked to review this issue and to provide further information which demonstrate how this standard is being met.

To address the issue above, the curricular revision requires DAN 111 as part of the common core, under Creative Expression. NASD standards require at least one semester of Dance History as a requirement for the degree.

The last reason for deferral from the Commission which these revisions address is the development of articulation agreements with institutions our students are transferring to.

6. The institution is requested to provide a status report on the development of articulation agreements with four-year institutions offering dance major programs.

To address this issue, these curricular revisions will allow the articulation agreements to match the first two years of study more successfully. For example, we have an existing articulation agreement with Hofstra University's Dance Education program (see attached). However, you will see in the articulation agreement that there is a note requesting that students complete 8 credits of ballet technique and 8 credits of modern technique. These curricular revisions would allow our students to meet that requirement without taking an overload of credits for graduation, allowing them to truly enter Hofstra's program as Juniors.

These curricular revisions make our curriculum closer to the curriculum at BFA dance programs in terms of number of hours of training. These changes will further provide more of our students with the level of dance training they need to transfer to BFA programs and ultimately to have professional careers in dance.

11. All text or items that will be deleted or changed should be marked with a ~~strikethrough~~.

12. All new text, courses, credits, etc. should be marked by underlining.

13. Show the whole set of program requirements in a From/To format.

From:		To:	
Common Core	Credits	Common Core	Credits
REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	3 3	REQUIRED CORE 1A: ENGL-101 English Composition I ENGL-102 English Composition II	3 3

REQUIRED CORE 1B: Mathematical & Quantitative Reasoning (select one from 1B)	3	REQUIRED CORE 1B: Mathematical & Quantitative Reasoning (select one from 1B)	3
REQUIRED CORE 1C: Life and Physical Sciences (select one from 1C)	3	REQUIRED CORE 1C: Life and Physical Sciences (select one from 1C)	<u>3-4</u>
FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3	FLEXIBLE CORE 2A: World Cultures & Global Issues (select one from 2A)	3
FLEXIBLE CORE 2B: U.S. Experience & Its Diversity ( <del>select one from 2B</del> )	3	FLEXIBLE CORE 2B <sup>1</sup> : U.S. Experience & Its Diversity <u>SP-211 Speech Communication<sup>1</sup></u>	3
FLEXIBLE CORE 2C <sup>1</sup> : Creative Expression ( <del>select one from 2C<sup>1</sup></del> )	3	FLEXIBLE CORE 2C <sup>1</sup> : Creative Expression <u>DAN-111 Introduction to the Art of the Dance<sup>1</sup></u>	3
FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3	FLEXIBLE CORE 2D: Individual & Society (select one from 2D)	3
FLEXIBLE CORE 2E: Scientific World (select one from 2E)	3	FLEXIBLE CORE 2E: Scientific World (select one from 2E)	3
FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: (select one course <sup>2</sup> )	3	FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: (select one course <sup>2</sup> )	3
<b>Sub-Total</b>	<b>30</b>	<b>Sub-Total</b>	<b><u>30-31</u></b>
<b>Requirements for the Major</b>		<b>Requirements for the Major</b>	
DAN-110 Foundations of Dance Movement	3	DAN-110 Foundations of Dance Movement	3
DAN-249 Modern Dance Improvisation	3	DAN-249 Modern Dance Improvisation	2
DAN-251 Choreography I	2	DAN-251 Choreography I	2
<del>Two</del> courses from Modern Dance Technique - level determined by placement class: DAN-124, DAN-125, DAN-126, DAN-127, DAN-220, DAN-221, or DAN-222	4	<u>Three</u> courses from Modern Dance Technique - level determined by placement class: DAN-124, DAN-125, DAN-126, DAN-127, DAN-220, DAN-221, or DAN-222	<u>6</u>
<del>Two</del> courses from Ballet Technique - level determined by placement class: DAN-134, DAN-135, DAN-136, DAN-137, DAN-230, DAN-231, or DAN-232	4	<u>Three</u> courses from Ballet Technique - level determined by placement class: DAN-134, DAN-135, DAN-136, DAN-137, DAN-230, DAN-231, or DAN-232	<u>6</u>
Two courses from Repertory or Workshop - determined by audition: DAN-160, DAN-161, DAN-260 <sup>5</sup> , DAN-261 <sup>5</sup> , or DAN-262 <sup>5</sup>	4-6	Two courses from Repertory or Workshop - determined by audition: DAN-160, DAN-161, DAN-260 <sup>3</sup> , DAN-261 <sup>3</sup> , or DAN-262 <sup>3</sup>	4-6
<del>Select one from Modern Dance or Ballet Technique - level determined by placement class: DAN-125, DAN-126, DAN-127, DAN-220, DAN-221, DAN-222, DAN-135, DAN-136, DAN-137, DAN-230, DAN-231, or DAN-232</del>	2	<u>2-4 credits selected from the following: DAN-124, DAN-125, DAN-126, DAN-127, DAN-220, DAN-221, DAN-222, DAN-134, DAN-135, DAN-136, DAN-137, DAN-230, DAN-231, DAN-232, DAN-103, DAN-252, DAN-140, DAN-270, DAN-271, DAN-272</u>	<u>2-4<sup>2</sup></u>

<del>Technique Elective: DAN-125, DAN-126, DAN-127, DAN-220, DAN-221, DAN-222, DAN-135, DAN-136, DAN-137, DAN-230, DAN-231, DAN-232, DAN-103, DAN-140, DAN-252, DAN-270, DAN-271, DAN-272</del>	<del>2</del>		
<b>Sub-Total</b>	<b>21-23</b>	<b>Sub-Total</b>	<b><u>27-28</u></b>
<b>Additional Requirements for the Major</b>		<b>Additional Requirements for the Major</b>	
<del>SP-211<sup>3</sup> Speech Communication<sup>3</sup></del>	<del>3</del>		
HE-101 Introduction to Health Education or HE-102 Health Behavior & Society	1-2	HE-101 Introduction to Health Education or HE-102 Health Behavior & Society	1-2
<del>One course in PE-400 or PE-500 series or DAN-100 series</del>	<del>4</del>	<u>To fulfill the PE requirement, students must take PE 530 or DAN 103</u>	<u>1</u>
Laboratory Science <sup>4</sup> BI-132, BI-171, CH-102, CH-111, CH-121 ET-842, PH-112	0-1	Laboratory Science <sup>5</sup> BI-132, BI-171, CH-102, CH-111, CH-121 ET-842, PH-112	0-1
<b>Sub-Total</b>	<b>5-7</b>	<b>Sub-Total</b>	<b><u>2-4</u></b>
<b>Electives</b>			
<del>Free Electives</del>	<del>0-3</del>		
<b>Sub-Total</b>	<b>0-3</b>		
<b>Total</b>	<b>60</b>	<b>Total</b>	<b>60</b>

14. Add all Program notes in 14A.  
Add all Course notes in 14B (Number your notes).

#### 14A. Program Note

From:	To:
All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.	All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.

#### 14B. Course Note

From:	To:
<del><sup>1</sup>Recommended: DAN-111, Introduction to the Art of the Dance.</del>	<u><sup>1</sup>Students are required to take particular courses in some areas of the Common Core that fulfill both general education and major requirements. If students do not take the required courses in the Common Core, they will have to take additional credits to complete their degree requirements.</u>
<sup>2</sup> Recommended: select course from 2C in concentration discipline.	<sup>2</sup> Recommended: select course from 2C in concentration discipline.

<sup>3</sup> <del>Students who have taken SP-211 in the Common Core are recommended to take a Foreign Language course; or HIST-110, HIST-111, HIST-112; or a Social Sciences course.</del>	<sup>3</sup> Audition required.
<sup>4</sup> Students who have taken a STEM Variant course in the Common Core 1C have fulfilled this requirement.	<sup>4</sup> <u>Fewer than 4 credits required for students who take workshop only.</u>
<sup>5</sup> Audition required.	<sup>5</sup> Students who have taken a STEM Variant course in the Common Core 1C have fulfilled this requirement.

**15. Write a summary for all of the changes.**

The main changes include making DAN-111 and SP-211 required in the common core to meet NASD Standards and an increase in dance major requirements from 21-23 credits to 27-28 credits to meet NASD Standards.

**16. If the program revision includes course revisions or new courses, submit the appropriate Course Revision form and/or New Course Proposal Form, along with the Syllabus and Course Objectives form.**

The program revision does not include any course revisions or new courses.

**17. If courses will be deleted from the program, make clear whether the courses are to be deleted from the department's offerings as well.**

No courses will be deleted from the program.

**18. Explain briefly how students currently in the program will be able to complete the requirements**

Students currently enrolled as dance majors will have the choice to complete their degree under the requirements from when they entered or follow the new requirements. Students entering in the Spring of 2019 and after will be required to complete the new requirements. We often have students who go over their required dance curriculum requirements because they are needed for transfer and getting into BFA programs, so the new requirements will make it easier for both current and future students to graduate with what they need and transfer to the programs they want.

\* \* \*

Departmental approval date: October 23, 2018  
Revisions of the A.S. in Science for Forensics Program

**Rationale:**

PH-401 and PH-402 are being renumbered to PH-421 and PH-422 to avoid a numbering conflict with a previous course also numbered PH-402. This change updates this program to reflect the numbering change. The course content has not changed.

1. <b>Department:</b>	Chemistry
2. <b>Program Name:</b>	A.S. in Science for Forensics
3. <b>Program Code:</b>	32347
4. <b>HEGIS Number:</b>	5619

	Month	Day	Year
5. <b>Date approved by department:</b>	10	23	2018
6. <b>Date consulted with the Office of Academic Affairs:</b>	10	23	2018
7. <b>Date submitted to the Committee on Curriculum:</b>	10	23	2018
8. <b>Date approved by the Committee on Curriculum:</b>	10	23	2018
9. <b>Date the changes will be effective (if approved)</b>	1	25	2019
10. <b>Rationale: Why this revision is needed or desired.</b>			

PH-401 and PH-402 are being renumbered to PH-421 and PH-422 to avoid a numbering conflict with a previous course also numbered PH-402. This change updates this program to reflect the numbering change. The course content has not changed.

11. All text or items that will be deleted or changed should be marked with a **strikethrough**.
12. All new text, courses, credits, etc. should be marked by **underlining**.
13. Show the whole set of program requirements in a From/To format.

From:		To:	
Common Core	Credits	Common Core	Credits
REQUIRED CORE 1A: English Composition I, II (ENGL 101 and ENGL 102)	6	REQUIRED CORE 1A: English Composition I, II (ENGL 101 and ENGL 102)	6
REQUIRED CORE 1B: MA 441 Analytic Geometry & Calculus I <sup>1</sup>	4	REQUIRED CORE 1B: MA 441 Analytic Geometry & Calculus I <sup>1</sup>	4
REQUIRED CORE 2C: CH 151 General Chemistry I <sup>1</sup>	4.5	REQUIRED CORE 2C: CH 151 General Chemistry I <sup>1</sup>	4.5
FLEXIBLE CORE: 2A to 2 D: select one course each from three categories among 2A, 2B, 2C or 2D <sup>2</sup>	9	FLEXIBLE CORE: 2A to 2 D: select one course each from three categories among 2A, 2B, 2C or 2D <sup>2</sup>	9
FLEXIBLE CORE 2E: Scientific World BI 201 General Biology I <sup>1</sup>	4	FLEXIBLE CORE 2E: Scientific World BI 201 General Biology I <sup>1</sup>	4
FLEXIBLE CORE 2E: CH 152 General Chemistry <sup>1</sup>	4.5	FLEXIBLE CORE 2E: CH 152 General Chemistry <sup>1</sup>	4.5
<b>Sub-Total</b>	32	<b>Sub-Total</b>	32
<b>Requirements for the Major</b>		<b>Requirements for the Major</b>	
CH 251 Organic Chemistry I	5	CH 251 Organic Chemistry I	5
CH 252 Organic Chemistry II	5	CH 252 Organic Chemistry II	5
BI 202 General Biology II	4	BI 202 General Biology II	4
MA 442 Analytic Geometry & Calculus II	4	MA 442 Analytic Geometry & Calculus II	4
PH 404 Calculus Physics A <sup>3</sup>	5	PH <u>421</u> Calculus Physics A <sup>3</sup>	5
PH 402 Calculus Physics B <sup>3</sup>	5	PH <u>422</u> Calculus Physics B <sup>3</sup>	5
<b>Sub-Total</b>	28	<b>Sub-Total</b>	28

<b>Total</b>	<b>60<sup>4</sup></b>	<b>Total</b>	<b>60<sup>4</sup></b>

**14. Add all Program notes in 14A.**

**Add all Course notes in 14B (Number your notes).**

**14A. Program Note**

<b>From:</b>	<b>To:</b>
Students are required to have a GPA of 2.5 or better in the foundation mathematics and science courses to graduate from the program.	Students are required to have a GPA of 2.5 or better in the foundation mathematics and science courses to graduate from the program.
All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.	All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.

**14B. Course Note**

<b>From:</b>	<b>To:</b>
<ol style="list-style-type: none"> <li>Students are required to take particular courses in some areas of the Common Core that fulfill both general education and major requirements. If students do not take the required courses in the Common Core, they will have to take additional credits to complete their degree requirements.</li> <li>Whichever Flexible Core category is not fulfilled at Queensborough will be completed at John Jay, as stipulated by the waiver granted by CUNY.</li> <li>Continuing students may complete the 3-course sequence (PH-411, PH-412 and PH-413) for PH-404 and PH-402.</li> <li>In addition to the required 60-credit program at Queensborough Community College, students will need to take a four-credit John Jay course, Chemistry 220, Quantitative Analysis, to enter John Jay as juniors. This course is a prerequisite for junior-year laboratories at John Jay and will be offered each summer at John Jay as a bridge course into the B.S. in Forensic Science.</li> </ol>	<ol style="list-style-type: none"> <li>Students are required to take particular courses in some areas of the Common Core that fulfill both general education and major requirements. If students do not take the required courses in the Common Core, they will have to take additional credits to complete their degree requirements.</li> <li>Whichever Flexible Core category is not fulfilled at Queensborough will be completed at John Jay, as stipulated by the waiver granted by CUNY.</li> <li>Continuing students may complete the 3-course sequence (PH-411, PH-412 and PH-413) for PH-<u>421</u> and PH-<u>422</u>.</li> <li>In addition to the required 60-credit program at Queensborough Community College, students will need to take a four-credit John Jay course, Chemistry 220, Quantitative Analysis, to enter John Jay as juniors. This course is a prerequisite for junior-year laboratories at John Jay and will be offered each summer at John Jay as a bridge course into the B.S. in Forensic Science.</li> </ol>

**15. Write a summary for all of the changes.**

PH-401 and PH-402 are renumbered to PH-421 and PH-422.

**16. If the program revision includes course revisions or new courses, submit the appropriate Course Revision form and/or New Course Proposal Form, along with the Syllabus and Course Objectives form.**

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17. If courses will be deleted from the program, make clear whether the courses are to be deleted from the department's offerings as well.

18. Explain briefly how students currently in the program will be able to complete the requirements

### Department of Physics

Departmental approval date: October 23, 2018

Revisions of the A.S. in Engineering Science Program

#### Rationale:

PH-401 and PH-402 are being renumbered to PH-421 and PH-422 to avoid a numbering conflict with a previous course also numbered PH-402. This change updates this program to reflect the numbering change. The course content has not changed.

- |                  |                             |
|------------------|-----------------------------|
| 1. Department:   | Physics                     |
| 2. Program Name: | A.S. in Engineering Science |
| 3. Program Code: | 01521                       |
| 4. HEGIS Number: | 5609                        |

- |  | Month | Day | Year |
|--|-------|-----|------|
| 5. Date approved by department:                        | 10    | 23  | 2018 |
| 6. Date consulted with the Office of Academic Affairs: | 10    | 23  | 2018 |
| 7. Date submitted to the Committee on Curriculum:      | 10    | 23  | 2018 |
| 8. Date approved by the Committee on Curriculum:       | 10    | 23  | 2018 |
| 9. Date the changes will be effective (if approved)    | 1     | 25  | 2019 |

10. Rationale: Why this revision is needed or desired.

PH-401 and PH-402 are being renumbered to PH-421 and PH-422 to avoid a numbering conflict with a previous course also numbered PH-402. This change updates this program to reflect the numbering change. The course content has not changed.

11. All text or items that will be deleted or changed should be marked with a ~~strikethrough~~.
12. All new text, courses, credits, etc. should be marked by underlining.
13. Show the whole set of program requirements in a From/To format.

From:		To:	
Common Core	Credits	Common Core	Credits
REQUIRED CORE 1A: English Composition I, II (ENGL 101 and ENGL 102)	6	REQUIRED CORE 1A: English Composition I, II (ENGL 101 and ENGL 102)	6
REQUIRED CORE 1B: MA 441 <sup>1</sup> Analytic Geometry & Calculus I	4	REQUIRED CORE 1B: MA 441 <sup>1</sup> Analytic Geometry & Calculus I	4
REQUIRED CORE 1C: CH 151 <sup>1</sup> General Chemistry I	4.5	REQUIRED CORE 1C: CH 151 <sup>1</sup> General Chemistry I	4.5
FLEXIBLE CORE 2A: World Cultures &	3	FLEXIBLE CORE 2A: World Cultures &	3



Global Issues (Select from 2A)		Global Issues (Select from 2A)	
FLEXIBLE CORE 2B: U.S. Experience in Its Diversity (Select from 2B)	3	FLEXIBLE CORE 2B: U.S. Experience in Its Diversity (Select from 2B)	3
FLEXIBLE CORE 2C: Creative Expression (Select from 2C)	3	FLEXIBLE CORE 2C: Creative Expression (Select from 2C)	3
FLEXIBLE CORE 2D: Individual & Society (Select from 2D)	3	FLEXIBLE CORE 2D: Individual & Society (Select from 2D)	3
FLEXIBLE CORE 2E: Scientific World PH 404 <sup>1</sup> Calculus Physics A <sup>2</sup>	5	FLEXIBLE CORE 2E: Scientific World PH 421 <sup>1</sup> Calculus Physics A <sup>2</sup>	5
FLEXIBLE CORE 2E PH 402 <sup>1</sup> Calculus Physics B <sup>2</sup>	5	FLEXIBLE CORE 2E PH 422 <sup>1</sup> Calculus Physics B <sup>2</sup>	5
<b>Sub-Total</b>	36.5	<b>Sub-Total</b>	36.5
<b>Requirements for the Major</b>		<b>Requirements for the Major</b>	
MA 442 Analytical Geometry II	4	MA 442 Analytical Geometry II	4
MA 443 Analytical Geometry III	4	MA 443 Analytical Geometry III	4
MA 451 Differential Equations	4	MA 451 Differential Equations	4
EE 101 Engineering Design I	1	EE 101 Engineering Design I	1
EE 204 Electric Circuits	3	EE 204 Electric Circuits	3
EE 103 Computer-aided Analysis for Electrical Engineers	2	EE 103 Computer-aided Analysis for Electrical Engineers	2
Computer programming options (select one): PH 240 Computerized Physical Measurement using Graphical Programming OR ET 575 Introduction to C++ Programming Design and Implementation OR ET 505 Introduction to C++ Object Oriented Programming OR CS 101 Algorithmic Problem solving I	3-4	Computer programming options (select one): PH 240 Computerized Physical Measurement using Graphical Programming OR ET 575 Introduction to C++ Programming Design and Implementation OR ET 505 Introduction to C++ Object Oriented Programming OR CS 101 Algorithmic Problem solving I	3-4
<b>Sub-Total</b>	21-22	<b>Sub-Total</b>	21-22
<b>Engineering Advised Electives</b>		<b>Engineering Advised Electives</b>	
<b>Chemical Engineering:</b> CH 152, Gen. Chem. II; CH 251, Organic Chem. I; CH 252, Org. Chem. II <b>Civil Engineering:</b> PH 416, Thermodynamics; MT 345, Strength of Materials; MA 461, Linear Algebra <b>Electrical Engineering:</b> EE 205, Linear Systems Analysis; PH 416, Thermodynamics; CH 152, Gen. Chem. II; ET 540, Digital Computer Theory I <b>Mechanical Engineering:</b> MT 293, Parametric Computer-aided Design Drafting; PH 416, Thermodynamics; PH 440, Modern	6.5-7.5	<b>Chemical Engineering:</b> CH 152, Gen. Chem. II; CH 251, Organic Chem. I; CH 252, Org. Chem. II <b>Civil Engineering:</b> PH 416, Thermodynamics; MT 345, Strength of Materials; MA 461, Linear Algebra <b>Electrical Engineering:</b> EE 205, Linear Systems Analysis; PH 416, Thermodynamics; CH 152, Gen. Chem. II; ET 540, Digital Computer Theory I <b>Mechanical Engineering:</b> MT 293, Parametric Computer-aided Design Drafting; PH 416, Thermodynamics; PH 440, Modern Physics; MA 461, Linear Algebra; CH	6.5-7.5

Physics; MA 461, Linear Algebra; CH 152, Gen. Chem. II		152, Gen. Chem. II	
<b>Total</b>	<b>65</b>	<b>Total</b>	<b>65</b>

**14. Add all Program notes in 14A.**

**Add all Course notes in 14B (Number your notes).**

**14A. Program Note**

<b>From:</b>	<b>To:</b>

**14B. Course Note**

<b>From:</b>	<b>To:</b>
<sup>1</sup> Students are required to take STEM Variants in 1B, 1C, and 2E; if students do not take STEM variants in common core, they will have to take additional credits to complete their degree requirements.	<sup>1</sup> Students are required to take STEM Variants in 1B, 1C, and 2E; if students do not take STEM variants in common core, they will have to take additional credits to complete their degree requirements.
<sup>2</sup> Continuing students may complete the 3-course sequence (PH-411, PH-412 and PH-413) for PH-401 and PH-402.	<sup>2</sup> Continuing students may complete the 3-course sequence (PH-411, PH-412 and PH-413) for PH- <u>421</u> and PH- <u>422</u> .

**15. Write a summary for all of the changes.**

PH-401 and PH-402 are being renumbered to PH-421 and PH-422.

**16. If the program revision includes course revisions or new courses, submit the appropriate Course Revision form and/or New Course Proposal Form, along with the Syllabus and Course Objectives form.**

**17. If courses will be deleted from the program, make clear whether the courses are to be deleted from the department's offerings as well.**

**18. Explain briefly how students currently in the program will be able to complete the requirements**

**Department of Physics**

Departmental approval date: October 23, 2018

Revisions of the A.S. in Liberal Arts & Sciences (Mathematics & Science) Program

**Rationale:**

PH-401 and PH-402 are being renumbered to PH-421 and PH-422 to avoid a numbering conflict with a previous

course also numbered PH-402. This change updates this program to reflect the numbering change. The course content has not changed. Numbers of credits in the requirements for the major section were corrected to show the range of credits possible for the courses listed.

1. <b>Department:</b>	Physics
2. <b>Program Name:</b>	A.S. in Liberal Arts & Sciences (Mathematics & Science)
3. <b>Program Code:</b>	01523
4. <b>HEGIS Number:</b>	5649

	Month	Day	Year
5. <b>Date approved by department:</b>	10	23	2018
6. <b>Date consulted with the Office of Academic Affairs:</b>	10	23	2018
7. <b>Date submitted to the Committee on Curriculum:</b>	10	23	2018
8. <b>Date approved by the Committee on Curriculum:</b>	10	23	2018
9. <b>Date the changes will be effective (if approved)</b>	1	25	2019

10. **Rationale: Why this revision is needed or desired.**

PH-401 and PH-402 are being renumbered to PH-421 and PH-422 to avoid a numbering conflict with a previous course also numbered PH-402. This change updates this program to reflect the numbering change. The course content has not changed. Numbers of credits in the requirements for the major section were corrected to show the range of credits possible for the courses listed.

11. **All text or items that will be deleted or changed should be marked with a strikethrough.**

12. **All new text, courses, credits, etc. should be marked by underlining.**

13. **Show the whole set of program requirements in a From/To format.**

From:		To:	
Common Core	Credits	Common Core	Credits
REQUIRED CORE 1A: English Composition I, II (ENGL 101 and ENGL 102)	6	REQUIRED CORE 1A: English Composition I, II (ENGL 101 and ENGL 102)	6
REQUIRED CORE 1B: MA-440 or higher	4	REQUIRED CORE 1B: MA-440 or higher	4
REQUIRED CORE 1C: Life and Physical Sciences (one of the following required: BI-201, CH-151, PH-301 or PH-311, or PH-401)	4-5	REQUIRED CORE 1C: Life and Physical Sciences (one of the following required: BI-201, CH-151, PH-301 or PH-311, or PH-421)	4-5
FLEXIBLE CORE 2A: World Cultures and Global Issues (Select one from 2A)	3	FLEXIBLE CORE 2A: World Cultures and Global Issues (Select one from 2A)	3
FLEXIBLE CORE 2B: U.S. Experience in Its Diversity (Select one from 2B)	3	FLEXIBLE CORE 2B: U.S. Experience in Its Diversity (Select one from 2B)	3
FLEXIBLE CORE 2C: Creative Expression (Select one from 2C)	3	FLEXIBLE CORE 2C: Creative Expression (Select one from 2C)	3
FLEXIBLE CORE 2D: Individual and Society (Select one from 2D)	3	FLEXIBLE CORE 2D: Individual and Society (Select one from 2D)	3
FLEXIBLE CORE 2E: Scientific World, one of the following required: BI-201, CH-151(or higher), MA-443, MA-451, MA-461, CS-101, CS-201, CS-203, CS-204, PH-301, PH-311, or PH-401	4-5	FLEXIBLE CORE 2E: Scientific World, one of the following required: BI-201, CH-151(or higher), MA-443, MA-451, MA-461, CS-101, CS-201, CS-203, CS-204, PH-301, PH-311, or, PH-421	4-5
FLEXIBLE CORE 2E: Scientific World, one of the following required: BI-201, CH-151(or higher level), MA-443, MA-451, MA-461, CS-101, CS-201, CS-203, CS-204, PH-301, PH-311, or PH-401	4-5	FLEXIBLE CORE 2E: Scientific World, one of the following required: BI-201, CH-151(or higher level), MA-443, MA-451, MA-461, CS-101, CS-201, CS-203, CS-204, PH-301, PH-311, or PH-421	4-5
<b>Sub-Total</b>	<b>34-35</b>	<b>Sub-Total</b>	<b>34-35</b>
<b>Requirements for the Major<sup>1</sup></b>		<b>Requirements for the Major<sup>1</sup></b>	
MA 441 (or higher) Analytical Geometry and Calculus I	4	MA 441 (or higher) Analytical Geometry and Calculus I	4

Select one from BI-202, BI-356, BI-453, CH-152 (or higher level), PH-302 or PH-312 or PH-402 <sup>2</sup> , MA-442 (or higher level) Select one from: BI-202, CH-152 (or higher level), CS-201 (or higher level), MA-442 (or higher level), PH-302 or PH-312, or PH-402	8-14	Select one from BI-202, BI-356, BI-453, CH-152 (or higher level), PH-302 or PH-312 or PH-422 <sup>2</sup> , MA-442 (or higher level) Select one from: BI-202, CH-152 (or higher level), CS-201 (or higher level), MA-442 (or higher level), PH-302 or PH-312, or PH-422	8-10
Concentration <sup>3</sup> (range depends on course choices in major above)	3-6	Concentration <sup>3</sup> (range depends on course choices in major above)	4-6
<b>Sub-Total</b>	<b>18</b>	<b>Sub-Total</b>	<b>18</b>
<b>Additional Major Requirements</b>		<b>Additional Major Requirements</b>	
SP-211 Speech Communication <sup>4</sup>	3	SP-211 Speech Communication <sup>4</sup>	3
History or Social Science course <sup>4</sup>	3	History or Social Science course <sup>4</sup>	3
HE-101 Introduction to Health Education or HE-102 Health Behavior & Society	1	HE-101 Introduction to Health Education or HE-102 Health Behavior & Society	1
One course in PE-400 or PE-500 series or one DAN-100 series (one credit courses only)	1	One course in PE-400 or PE-500 series or one DAN-100 series (one credit courses only)	1
<b>Sub-Total</b>	<b>8</b>	<b>Sub-Total</b>	<b>8</b>
<b>Total</b>	<b>60</b>	<b>Total</b>	<b>60</b>

**14. Add all Program notes in 14A.**

**Add all Course notes in 14B (Number your notes).**

**14A. Program Note**

From:	To:

**14B. Course Note**

From:	To:
<ol style="list-style-type: none"> <li>Students must take at least one two-course sequence in each of two different disciplines (i.e., BI-201, BI-202; CH-151, CH-152; PH-301, PH-302; CS-101, CS-201, CS-203, or CS-204; MA-441, MA-442).</li> <li>Student may not receive credit for both PH-302 or PH-312 and either PH-402 or a combination of PH-412 and PH-413. Continuing students may complete the 3-course sequence (PH-411, PH-412 and PH-413) for PH-404 and PH-402.</li> <li>With permission of the Department of Mathematics and Computer Science students in the TiMEQCC secondary mathematics program may count credits for EDUC-101 and INTE-221 toward the concentration.</li> <li>If taken in common core, additional course in concentration is recommended.</li> </ol>	<ol style="list-style-type: none"> <li>Students must take at least one two-course sequence in each of two different disciplines (i.e., BI-201, BI-202; CH-151, CH-152; PH-301, PH-302; CS-101, CS-201, CS-203, or CS-204; MA-441, MA-442).</li> <li>Student may not receive credit for both PH-302 or PH-312 and either PH-422 or a combination of PH-412 and PH-413. Continuing students may complete the 3-course sequence (PH-411, PH-412 and PH-413) for PH-421 and PH-422.</li> <li>With permission of the Department of Mathematics and Computer Science students in the TiMEQCC secondary mathematics program may count credits for EDUC-101 and INTE-221 toward the concentration.</li> <li>If taken in common core, additional course in concentration is recommended.</li> </ol>

**15. Write a summary for all of the changes.**

PH-401 and PH-402 are being renumbered to PH-421 and PH-422.

Range of credits for the two upper sequence courses under requirements for the major section are corrected to read 8-10 instead of 8-11.

**16. If the program revision includes course revisions or new courses, submit the appropriate Course Revision form and/or New Course Proposal Form, along with the Syllabus and Course Objectives form.**

**17. If courses will be deleted from the program, make clear whether the courses are to be deleted from the department's offerings as well.**

**18. Explain briefly how students currently in the program will be able to complete the requirements**

### **3. PHYSICS COURSE RENUMBERING RESOLUTION (FOR INFORMATION ONLY)**

On September 25, 2018, the Committee on Curriculum had a discussion in anticipation of an expected proposal by Prof. Lieberman at the next Academic Senate meeting on September 25 at 3:10 pm to fix a course numbering problem (changing PH-401 and PH-402 to PH-421 and PH-422). The committee prepared the following statement for the meeting:

"Whereas we, the Curriculum Committee of the Academic Senate, passed PH-401 and PH-402 as new courses in Fall 2017,  
And whereas it was later discovered that there is a conflict with the number PH-402 with an existing course,  
And whereas we understand that this conflict, if not resolved, would mean that PH-402 would not be allowed to run in the Spring 2019 semester,  
And whereas a renumbering within the 400s would indicate that the level of the course is the same,  
And whereas such a renumbering would not affect the courses' content,  
Therefore the Curriculum Committee of the Academic Senate does not oppose the renumbering of these new courses PH-401 and PH-402 to PH-421 and PH-422, respectively."