

BROOKLYN COLLEGE
OF
THE CITY UNIVERSITY OF NEW YORK
FACULTY COUNCIL
Meeting of April 4, 2017

The Committee on Undergraduate Curriculum and Degree Requirements herewith submits its recommendations in Curriculum Document 386.

SECTION A-II: CHANGES IN GENERAL EDUCATION..... 3

Respectfully submitted,

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General Education Requirements

The goal of general education at Brooklyn College is to graduate informed and responsible citizens of the world who have a foundation for life-long learning, the potential for leadership, and an appreciation of individual and social diversity.

~~Arrivals Level (30 credits)~~

~~English Composition I & II (ENGL 1010 & 1012, 6 credits)~~

~~Human and Cultural Diversity (3 credits)~~

~~Arts (6 credits*)~~

~~Humanities and Social Sciences (6 credits; 3 from Global Topics, 3 from Selfhood)~~

~~Quantitative, Computational, and Mathematical Reasoning (3 credits)~~

~~Natural and Behavioral Science (3 credits)~~

~~Laboratory-based Natural and Behavioral Science (3 credits)~~

~~All full-time first-year students will enroll in a Learning Community consisting of either two or three Arrivals courses. Each Learning Community will be designed to address a question from more than one disciplinary perspective.~~

~~*Transfer students with six credits in another category may apply three of those credits toward this requirement.~~

~~Departures Level—The Brooklyn College Experience (12 credits)~~

~~Language other than English (LOTE)/International Cultural Competency (6 credits)~~

~~Human and Cultural Diversity (3 credits)~~

~~Laboratory-based science course (3 credits)~~

~~Students exempted from the six-credit language requirement due to demonstrated competency or previous college coursework instead take either three credits of a language other than English (at an appropriate level) or an International Cultural Competency course, as well as one course in Arts or Humanities and Social Sciences. However, ESL students will instead take 2 courses in Arts and/or Humanities and Social Sciences.~~

~~Transfer students completing fewer than 12 credits of the Departures level must complete at least 3 credits of the LOTE/International Cultural Competency requirement.~~

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

~~Any requirement on either the Arrivals or Departure level, other than English Composition and Languages Other Than English, may be met by an approved Special Topics in General Education (STGE) course.~~

~~Altogether, on both levels, students may take no more than two general education courses from any one department. Courses in English composition, languages other than English, and STGE (Special Topics in General Education) courses do not count toward this limit.~~

Transfer Students

~~Under the Brooklyn College General Education program, courses taken for general education credit at other CUNY schools are guaranteed to transfer, in accordance with CUNY wide rules. The correspondences between Brooklyn College categories and CUNY wide ones are presented in the table of equivalents below. In the case of transfer students from non-CUNY colleges, Brooklyn College will determine how courses taken at the original college fulfill general education requirements. For more detailed information, see the section on Transfer of Credits in this *Bulletin*.~~

Continuing Students

~~Students enrolling at Brooklyn College for the first time in Fall 2017 or after will complete the Brooklyn College General Education requirements.~~

~~Students who take a leave of absence and are then readmitted to the college will complete the Brooklyn College General Education requirements.~~

~~Continuing students will have the option of following the Brooklyn College General Education requirements, completing the Core Curriculum, or following the CUNY wide General Education requirements. Continuing students are encouraged to seek the guidance of an advisor or other on-campus resource to help them make informed decisions in choosing among these options.~~

~~The following table of equivalents shows how courses taken under the other general education programs can be counted toward the Brooklyn College General Education framework. It can also be used to determine which courses students continuing under other models can take to complete their remaining requirements. Finally, it can aid comparison of the three models.~~

~~The abbreviation LOTE in the table refers to the “Language Other Than English” requirement.~~

Brooklyn College General Education	CUNY-wide Gen Ed	Core Curriculum
<i>Arrivals</i>	<i>Common Core</i>	<i>Lower Tier Core + English 1 & 2</i>

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

English Composition I & II			
Human and Cultural Diversity	U.S. Experience in Its Diversity	People, Power, and Politics	
Arts	Creative Expression	Introduction to Art Music: Its Language, History, and Culture	
Humanities and Social Sciences	Global Topics Selfhood	World Cultures and Global Issues	Classical Cultures Knowledge, Reality, and Values
		Individual and Society	Shaping of the Modern World
Quantitative, Computational, and Mathematical Reasoning	Mathematical and Quantitative Reasoning	Thinking Mathematically or Computing: Nature, Power, and Limits	
Natural and Behavioral Science	Scientific World	Physics: The Simple Laws That Govern the Universe	Geology: The Science of Our World
Laboratory-based Natural and Behavioral Science	Life and Physical Sciences	Biology for Today's World	Science in Modern Life: Chemistry
<i>Departures</i>	<i>College Option</i>	<i>Upper Tier Core + LOTE</i>	
LOTE OR Advanced LOTE or International Cultural Competency AND Arts or Humanities and Social Sciences	One or two courses from the Common Core AND/OR One or two LOTE courses	LOTE	
Human and Cultural Diversity	Upper Tier Core, 2 out of 3 categories: Exploring Literature (CORC 3101-3199), Exploring Global Connections (CORC 3201-3299), Exploring Science (CORC 3301-3399)		
Laboratory-based science			

William E. Macaulay Honors College students

Students who have completed the four seminars of the Honors College may use them as follows toward these four General Education categories: Human and Cultural Diversity, Arts, Humanities and Social Sciences, and Natural and Behavioral Science:

_____ General Education Category _____ Macaulay Course

- Human and Cultural Diversity _____ = MCHC 1002 Peopling of New York City
- Arts _____ = MCHC 1001 Arts in New York
- Humanities and Social Sciences _____ = MCHC 2002 Shaping the Future of New York City

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

~~—(Selfhood)~~

~~• Natural and Behavioral Science – MCHC 2001 Science and Technology in New York City~~

For additional information

Students who have questions about General Education should consult an adviser in the Center for Academic Advisement and Student Success (CAASS), 3207 Boylan Hall.

Courses in the General Education Curriculum

Goals and Skills

General education courses contribute to the goal of graduating informed and responsible citizens of the world who have a foundation for life-long learning, the potential for leadership, and an appreciation of individual and social diversity by providing opportunities for students to advance their:

1. Ability to analyze, construct, and present arguments;
2. Ability to analyze, construct, and justify ethical judgments;
3. Ability to work collaboratively and creatively to address complex questions and problems;
4. Understanding of the relation between the arts, histories, and cultures of the past and those of the present;
5. Understanding of the scientific practices used to study the natural universe;
6. Understanding of the social implications and technical underpinnings of digital technologies;
7. Understanding of the development and workings of contemporary societies from both local and global perspectives;
8. Understanding of the many aspects of human diversity, including the social forces shaping their own identities, the place(s) they call home, and New York City;

while also developing skills in

- A. Research methodologies,
- B. Oral, written, and visual communication,
- C. Quantitative and mathematical reasoning, and
- D. A language other than English.

Each general education course below substantially engages at least one of these goals and at least one of these skills.

English Composition I and II (6 credits in Arrivals)

ENGL 1010 English Composition I

ENGL 1012 English Composition II

Human and Cultural Diversity (3 credits in Arrivals, 3 credits in Departures)

Courses in this area contextualize the variety of human experience in relation to contemporary political, social, and economic realities that may accompany human differences such as race, ethnicity, gender, sexual orientation, culture, and/or geography

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~~in the U.S. and two-thirds world countries. These courses prepare students to critically analyze the dynamics of an increasingly globalized, heterogeneous world.~~

[Specific list of courses to be added]

Arts (6 credits in Arrivals, up to 3 credits in Departures for students exempted from LOTE)
~~Courses in this area develop students' understanding of creative activity as an expression of human experience within specific historical and social contexts. Students' sensitivity to the forms of artistic expression is honed through intensive study of specific artworks, and/or through production/performance of creative works. By integrating creativity and analysis, these courses foster intellectual growth, self-awareness, and technical skill.~~

[Specific list of courses to be added]

Humanities and Social Sciences (6 credits in Arrivals, one course from each heading; up to 3 credits in Departures for students exempted from LOTE)
~~Courses in this area examine human existence, individual and collective, through a variety of methodologies, viewing our world through many lenses to help students interpret and think critically about being human. The humanities employ mainly qualitative approaches to literary works, religious and philosophical conceptions, and historical records of peoples and regions of the world. The social sciences engage in the systematic study of power, at the level of personal interactions, the state, and society, using both qualitative and quantitative methods. These "ways of knowing" intersect and overlap. All encourage students to analyze the range of creativity, cultural expressions, modes of power, and patterns in human existence.~~

~~A. Global Topics~~

[Specific list of courses to be added]

~~B. Selfhood~~

[Specific list of courses to be added]

Quantitative, Computational, and Mathematical Reasoning (3 credits in Arrivals)
~~Courses in this area develop at least two of the following four skills: formal reasoning (the use of formal logic or mathematics); abstract representation (the production and interpretation of information using mathematical models such as formulas, graphs, tables, and schematics); empirical analysis (e.g. the use of statistical inference or statistical modeling through sampling of populations or phenomena); and computational reasoning (identification of problems and solutions through the design of algorithms).~~

[Specific list of courses to be added]

Natural and Behavioral Science (3 credits in Arrivals)
~~Courses in this area develop one or more of the following four skills: quantitative description and synthesis of theories of natural phenomena; methods for generating and empirically assessing the validity of hypotheses about such phenomena; understanding~~

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~~of key scientific ideas of the modern world; theory, methods, and practice of statistical and experimental analysis of human and nonhuman animal behavior and psychology.~~

[Specific list of courses to be added]

Laboratory-based Natural and Behavioral Science (3 credits in Arrivals, 3 credits in Departures)

~~Courses in this area provide laboratory-based data collection, analysis, and synthesis to formulate an understanding of the principles that govern the behavior and properties of materials and/or living systems.~~

[Specific list of courses to be added]

Language other than English (=LOTE) (6 credits in Departures, unless student is exempt based on demonstrated proficiency or prior college coursework)

~~Courses in this area either focus on improving students' proficiency in a natural language other than English (including Classical languages), or have as their language of instruction a natural language other than English.~~

There are courses taught in four departments at Brooklyn College that can be taken in fulfillment of this requirement:

~~Modern Languages and Literatures: All courses except those with the MLAN designation or others specifically noted as "taught in English."~~

~~Classics: Courses with the designations GRKC or LATN.~~

~~Judaic Studies: HEBR 1001, 1002, 1003, 1004, 2041, 2045, 3111, 5041, and 5085, and all YIDM courses.~~

~~Puerto Rican and Latino Studies: PRLS 4415 or 4430.~~

International Cultural Competency (3 credits in Departures for students exempted from LOTE requirement, who choose not to take an additional course in a LOTE)

~~Courses in this area combine analytical and experiential approaches to lead students to a greater appreciation for, and understanding of, linguistic and cultural differences. Courses in this area provide tools for analyzing and navigating language differences, behavioral norms, and social values that are marked by the borders between countries or language communities within countries. These goals also imply an awareness of regional differences, the role of media and other institutions in reifying national traits, and the challenge to existing identities posed by immigration. These courses have a markedly concrete focus, as they are intended to help students foster proficiency in their interactions with individuals from other cultures, whether these are mediated by communication technologies or face-to-face.~~

[Specific list of courses to be added]

TO:

Programs of Study

General Education Program: Pathways

All candidates for a baccalaureate degree must complete Brooklyn College's Pathways requirements.

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Starting in Fall 2013, CUNY has implemented the Pathways initiative across its undergraduate colleges. Students who enter a CUNY college in Fall 2013 or thereafter, either as first-time freshmen or as transfer students from another CUNY college or from a non-CUNY college, will be automatically enrolled in the Pathways curriculum. Pathways establishes a new system of general education requirements and new transfer guidelines across the University and by doing so reinforces CUNY’s educational excellence while easing student transfer between CUNY colleges. The centerpiece of this initiative is a 30-credit general education Common Core. Each CUNY college can require bachelor’s degree students to take another 6 to 12 credits of general education through the College Option. Once fulfilled at one CUNY college, these general education credits will carry over seamlessly if a student transfers to another CUNY college. Pathways also aligns gateway courses for a number of popular majors.

General Education Requirements

A new general education framework is a central feature of Pathways. It lays out requirements that undergraduate students across CUNY must meet. It also guarantees that general education requirements fulfilled at one CUNY college will carry over seamlessly if a student transfers to another CUNY college. Through the three two elements of this framework—Required Common Core, the Flexible Common Core, and the College Option Requirement—Pathways seeks to provide students with well-rounded knowledge, a critical appreciation of diverse cultural and intellectual traditions, an interest in relating the past to the complex world in which students live today, and the ability to help society create a fresh and enlightened future. The framework allows students to explore knowledge from various perspectives and to develop their critical abilities to read, write, and use language and symbol systems effectively. It also develops students’ intellectual curiosity and commitment to lifelong learning.

Brooklyn College Pathways requirements are as follows:

Required Common Core – (12 credits / 4 courses)

Student must complete:

English Composition (2 courses)

- ENGL 1010 English Composition I and
- ENGL 1012 English Composition II

Mathematical and Quantitative Reasoning (1 course)

- MATH 1311 Thinking Mathematically or
- a course from the list of approved alternatives in the section “STEM variant courses”

Life and Physical Sciences (1 course)

- BIOL 1010 Biology: The Study of Life or
- CHEM 1007 Chemistry in Modern Life: An Introduction for Non-Majors or
- ANTH 1200 Human Origins or
- a course from the list of approved alternatives in the section “STEM variant courses”

below

Flexible Common Core – (18 credits / 6 courses)

Students must complete a minimum of two courses in the Creative Expression category and a minimum of one course in each of the 4 other categories. No more than 2 courses with the same four-letter department code may be used to fulfill Flexible Common Core requirements.

World Cultures and Global Issues (1 course)

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- HIST 3005 The Shaping of the Modern World or
- CLAS 1110 Classical Cultures or
- CLAS 3245 Contemporary Identity Politics or
- * ENGL 2004 Literature and Film or
- * ENGL 2008 The Quest for Ethnic, Cultural, and National Identities in Literature or
- ENGL 2009 Introduction to Literary Studies or
- * JUST 2545 Classical Jewish Texts

U.S. Experience in Its Diversity (1 course)

- HIST 3401 American Pluralism to 1877 or
- ANTH 3135 The American Urban Experience: Anthropological Perspectives or
- PRLS 1001 Introduction to Puerto Rican and Latino Studies or
- POLS 1230 People, Power, and Politics or
- SPCL 3000 LGBTQ Youth in Educational Contexts

Creative Expression (2 courses)

- MUSC 1300 Music: Its Language, History, and Culture and
- ARTD 1010 Art: Its History and Meaning

Individual and Society (1 course)

- PHIL 2101 Introduction to the Problems of Philosophy or
- * CLAS 2109 The Self and Society or
- CLAS 3200 Heroes, Gods, Monsters: Classical Mythologies or
- * ENGL 2002 Ideas of Character in the Western Literary Tradition or
- * ENGL 2006 Text/Context or
- * MLAN 2015 Con, Cop, and Mark: Representations of Criminality and Authority or
- SPEC 1707 Public Speaking

Scientific World (1 course)

- PHYS 1331 The Simple Laws that Govern the Universe or
- EESC 1010 The Dynamic Earth or
- ANTH 2205 Forensic Anthropology or
- * EESC 1050 Society and the Ocean

* Course will remain in the College Option through the summer of 2018 and then move to the Flexible Common Core in fall 2018.

College Option

<p><u>CUNY Associate → Brooklyn College Bachelor's</u></p> <p><u>Students who transfer from a CUNY associate to a Brooklyn College bachelor's degree program</u></p>	<p><u>Earned Associate Degree</u> <u>6 College Option credits required</u></p> <p><u>Earned More than 30 Credits</u> <u>9 College Option credits required</u></p> <p><u>Earned 30 or Fewer Credits</u> <u>12 College Option credits required</u></p>
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<p><u>Non-CUNY Associate → Brooklyn College Bachelor's</u> <u>Students transferring to Brooklyn College from non-CUNY colleges</u></p>	<p><u>Earned Associate Degree</u> <u>6 College Option credits required</u></p> <p><u>Earned More than 30 Credits</u> <u>9 College Option credits required</u></p> <p><u>Earned 30 or Fewer Credits</u> <u>12 College Option credits required</u></p> <p><u>Brooklyn College will decide whether any courses taken at the original college fulfill the College Option requirements.</u></p>
<p><u>Brooklyn College Bachelor's</u> <u>Students pursuing a bachelor's degree at Brooklyn College (without transferring)</u></p>	<p><u>12 College Option credits required (specified by Brooklyn College)</u></p>
<p><u>CUNY Bachelor's → Brooklyn College Bachelor's</u> <u>Students who transfer from another CUNY bachelor's degree program to Brooklyn College</u></p>	<p><u>12 College Option credits are required; HOWEVER, students can transfer the College Option credits they earn in a bachelor's degree program at one CUNY college toward their College Option requirement at Brooklyn College.</u></p>
<p><u>Non-CUNY Bachelor's → Brooklyn College Bachelor's</u> <u>Students transferring to Brooklyn College from non-CUNY colleges</u></p>	<p><u>12 College Option credits required. Brooklyn College will decide whether courses taken at the original college fulfill any of the College Option requirements.</u></p>
<p><u>Second Bachelor's Degree Students</u> <u>Students with earned bachelor's degrees from institutions that are accredited and recognized by a regional accrediting U.S. agency, as well as students from international universities with degrees that are equivalent to a baccalaureate degree as determined by Brooklyn College</u></p>	<p><u>No College Option credits required; these students are deemed to have automatically fulfilled the College Option.</u></p>

Through the Summer of 2018

Students who are required to take three College Option credits at Brooklyn College (Note: The 3000 level CORC courses are listed under the CORC department.)

One three-credit 3000-level CORC course in any of the following areas:

- Exploring Literature (CORC 3101 – 3199)
- Exploring Global Connections (CORC 3201 – 3299)

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- Exploring Science (CORC 3301 – 3399)

Students who are required to take six College Option credits at Brooklyn College

Two three-credit 3000-level CORC courses (one three-credit course in two of the following areas):

- Exploring Literature (CORC 3101 – 3199)
- Exploring Global Connections (CORC 3201 – 3299)
- Exploring Science (CORC 3301 – 3399)

Students who are required to take nine College Option credits at Brooklyn College

Two three-credit 3000 level CORC courses (one three-credit course in two of the following areas):

- Exploring Literature (CORC 3101 – 3199)
- Exploring Global Connections (CORC 3201 – 3299)
- Exploring Science (CORC 3301 – 3399)

One additional three-credit course, selected from either the list of Required Life and Physical Sciences Courses or any of the Flexible Core Courses that were not already completed and/or used to satisfy a Required or Flexible Core requirement, or from the lists of three-credit courses in a language or literature other than English that is offered by the departments of Classics, Judaic Studies, and Modern Languages and Literatures. Note: All stated course prerequisites apply to courses selected in a language or literature other than English.

Students who are required to take twelve College Option credits at Brooklyn College

Two three-credit 3000-level CORC courses (one three-credit course in two of the following areas):

- Exploring Literature (CORC 3101 – 3199)
- Exploring Global Connections (CORC 3201 – 3299)
- Exploring Science (CORC 3301 – 3399)

Two additional three-credit courses, selected from either the list of Required Life and Physical Sciences Courses or any of the Flexible Core Courses that were not already completed and/or used to satisfy a Required or Flexible Core requirement, or from the lists of three-credit courses in a language or literature other than English that are offered by the departments of Classics, Judaic Studies, and Modern Languages and Literatures. Note: All stated course prerequisites apply to courses selected in a language or literature other than English.

Beginning in the Fall of 2018

Students who are required to take 6 College Option credits at Brooklyn College

One 3-credit course in LOTE or International Cultural Competency and
One 3-credit course in World Cultures and Global Issues or in US in Its Diversity or in Life and Physical Sciences

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Students who are required to take 9 College Option credits at Brooklyn College

One 3-credit course in LOTE or International Cultural Competency and
One 3-credit course in World Cultures and Global Issues or in US in Its Diversity and
One 3-credit course in Life and Physical Sciences

Students who are required to take 12 College Option credits at Brooklyn College

Two 3-credit courses in LOTE or International Cultural Competency and
One 3-credit course in World Cultures and Global Issues or in US in Its Diversity and
One 3-credit course in Life and Physical Sciences

Students exempted from the six-credit language requirement due to demonstrated competency or previous college coursework must instead take either one 3-credit course of LOTE at an appropriate level or one 3-credit course in International Cultural Competency, and one 3-credit course in Creative Expression or in World Cultures and Global Issues or in US in Its Diversity or in Individual and Society. However, ESL students will instead take two 3-credit courses in Creative Expression or in World Cultures and Global Issues or in US in Its Diversity or in Individual and Society.

No more than 2 courses with the same four-letter department code may be used to fulfill College Option requirements. Courses in English composition and LOTE do not count toward this limit.

International Cultural Competency

Courses in this area combine analytical and experiential approaches to lead students to a greater appreciation for, and understanding of, linguistic and cultural differences. Courses in this area provide tools for analyzing and navigating language differences, behavioral norms, and social values that are marked by the borders between countries or language communities within countries. These goals also imply an awareness of regional differences, the role of media and other institutions in reifying national traits, and the challenge to existing identities posed by immigration. These courses have a markedly concrete focus, as they are intended to help students foster proficiency in their interactions with individuals from other cultures, whether these are mediated by communication technologies or face-to-face.

- AFST 3349 Caribbeanization of North America
- JUST 3025 Jewish Diaspora
- LING 3029 Sociolinguistics
- MLAN 2150 Intercultural Literacy and Competence
- SPEC 1619 Intercultural Communication

Gateway Courses into Majors

Faculty committees representing several popular transfer majors at CUNY have designated a minimum of three common and transferable courses that will be required of all students in those majors. Students anticipating majors in these fields can begin their coursework at any CUNY college with the assurance that if they transfer to another CUNY college, their prior coursework will count toward their continued pursuit of that major.

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How Credits Transfer

By creating a general education framework that applies to all CUNY undergraduates, and by establishing gateway courses into several popular majors, the Pathways initiative will significantly improve the ease and efficiency of student transfer between CUNY colleges. Courses taken for general education credit, major credit, and elective credit are guaranteed to transfer. Students who transfer from associate's programs to bachelor's programs will be required to complete from 6 to 12 College Option credits, depending on how many credits they had at the time of transfer and whether they transferred with an associate degree. Students who transfer from one Baccalaureate College to another will transfer any College Option credits they have already taken at another CUNY college. In the case of transfers from non-CUNY colleges, Brooklyn College will decide whether any courses taken at the original college fulfill the College Option requirements.

Continuing Students

Students who entered CUNY prior to Fall 2013 have the choice to “opt-in” to the Pathways requirements or to follow the general education requirements in effect at the time of their matriculation at Brooklyn College. Continuing students are encouraged to seek the guidance of an advisor or other on-campus resource to help them make informed decisions in choosing one of these two options.

Students who became matriculated at Brooklyn College prior to Fall 2013 and who choose not to “opt-in” to Pathways should consult the 2012-2013 bulletin or another prior bulletin applicable to them regarding their general education requirements. Students who wish to complete the Core Curriculum requirements stated in prior bulletins should note that the following CORC courses will be offered only as their Pathways equivalents starting with fall 2013:

- CORC 1110 Classical Cultures = CLAS 1110 Classical Cultures
- CORC 1120 Introduction to Art = ARTD 1010 Art: Its History and Meaning
- CORC 1130 Music: Its Language, History, and Culture = MUSC 1300 Music: Its Language, History, and Culture
- CORC 1210 Knowledge, Reality and Values = PHIL 2101 Introduction to the Problems of Philosophy
- CORC 1220 Shaping of the Modern World = HIST 3005 The Shaping of the Modern World
- CORC 1311 Thinking Mathematically = MATH 1311 Thinking Mathematically
- CORC 1321 Biology for Today's World = BIOL 1010 Biology: The Study of Life
- CORC 1322 Science in Modern Life –Chemistry = CHEM 1007 Chemistry in Modern Life
- CORC 1331 Physics: The Simple Laws that Govern the Universe = PHYS 1331 The Simple Laws that Govern the Universe
- CORC 1332 Geology: The Science of Our World = EESC 1010 The Dynamic Earth

Readmitted Students

For Pathways policy with regard to readmitted students see section “Degree Requirements” in chapter “Academic Regulations and Procedures” in this bulletin.

International Students

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Students with international degrees may have to demonstrate English language proficiency via TOEFL or via the CUNY basic skills writing and reading tests, and may be required to take ESL and/or English courses as appropriate.

STEM Variant Courses

STEM variant courses are courses in math and the sciences that can be substituted for courses in any or all of the following three areas of the Common Core: Life and Physical Sciences, Mathematics & Quantitative Reasoning, and the Scientific World. Any student can, at his or her discretion, take a STEM variant course from the following list of approved STEM variant courses:

Mathematics and Quantitative Reasoning

- BUSN 3400 Introduction to Economic and Business Statistics
- EESC 3800 Statistics and Data Analysis in Geosciences
- ECON 3400 Introduction to Economic and Business Statistics
- MATH 1011 Precalculus Mathematics
- MATH 1021 Precalculus Mathematics A (together with MATH 1026)
- MATH 1201 Calculus I
- MATH *1401 Elementary Mathematics from an Advanced Standpoint (together with MATH 1021)
- PSYC 3400 Statistical Methods in Psychological Research

Life and Physical Sciences

- ANTH 3265 Human Anatomy and Physiology 1
- ANTH 3266 Human Anatomy and Physiology 2
- ANTH 3470 Summer Archaeological Field School
- BIOL 1001 General Biology 1
- BIOL 1002 General Biology 2
- BIOL 1501 Human Anatomy and Physiology 1
- BIOL 1502 Human Anatomy and Physiology 2
- CHEM 1040 General Chemistry for Health-Related Professions
- CHEM 1100 General Chemistry I
- CHEM 2050 General Chemistry IB
- CHEM 2100 General Chemistry II
- KINS 3271 Human Physiology
- KINS 3275 Human Anatomy
- KINS 3281 Human Anatomy and Physiology 1
- KINS 3285 Human Anatomy and Physiology 2
- SPEC 1178 Speech-Language and Hearing Science: Anatomy and Physiology

Scientific World

- EESC 1100 General Geology I
- EESC 1101 Introduction to Earth Science
- LING 2001 Introduction to Linguistics
- PHYS 1100 General Physics I

Retroactive pass option

A student may elect to have grades in any two previously passed CORC courses changed from an ordinary passing grade (D- through A+) to a grade of pass (P). This option must be exercised

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no later than the 10th week of the semester following that in which students complete their 96th credit. Once this option has been utilized it may not be rescinded, nor may the courses to which the grade of P has been assigned be changed. Students may elect the retroactive pass option online via the BC WebCentral portal, or in person at the Enrollment Services Center, West Quad Center. Courses deemed to be substituted for, or equivalent to CORC courses are not eligible for the retroactive pass option.

William E. Macaulay Honors College students

Students who have completed the four seminars of the Honors College may use them to satisfy the four General Education Pathways categories US Experience in its Diversity, Creative Expression, Individual and Society, and Scientific World as follows:

<u>Pathways Category</u>	<u>Macaulay Course</u>
• US Experience in its Diversity	= MCHC 1002 Peopling of New York City
• Creative Expression	= MCHC 1001 Arts in New York
• Individual and Society	= MCHC 2002 Shaping the Future of New York City
• Scientific World	= MCHC 2001 Science and Technology in New York City

For additional information

Students who have questions about Pathways should consult a counselor in the Center for Academic Advisement and Student Success (CAASS), 3207 Boylan Hall. Transfer students are advised to consult with the Transfer Student Services Center, 1600 James Hall.

Returning and readmitted students

Students who take a leave of absence and are then readmitted to the college must complete the Pathways requirements at Brooklyn College. If they have taken courses at another institution after matriculation at Brooklyn College, and feel that certain of these courses may apply toward Pathways, they must file a request to use these with the Center for Academic Advisement and Student Success. Readmitted students who earned 80 credits or more at Brooklyn College prior to 1983 may graduate under the current Pathways requirements or the degree requirements stated in the 1979–1981 Undergraduate Bulletin.

For Pathways policy with regard to readmitted students see section “Degree Requirements” in chapter “Academic Regulations and Procedures” in this bulletin.

Note on Implementation:

Since the new College Option is being delayed until the fall of 2018, the CORC designation will continue to be used for the College Option Core courses during the 2017-2018 Bulletin year (CORC 3101 through CORC 3320).

Rationale:

These changes are necessary in order to implement the general education curriculum approved by Faculty Council in December 2015 in light of the university requirements for general education. We resolved the differences between the categories we used in our general

Material located with ~~strike-through~~ is to be deleted and material underlined is to be added

education framework and those of Pathways in order to facilitate curriculum development and to make advising easier. Courses previously approved by the CCCRCs have been included in this document. (Those submitted to the CCCRCs but rejected have not been included here. They must be resubmitted.) Because the learning objectives for the Pathways categories are not required in the curriculum document, they are omitted here. Departments must provide documentation demonstrating that courses for future submissions the terms of those learning objectives in consultation with the General Education Committee.

Delay of the new College Option: The college administration has advised us that more time is needed to implement the College Option because of the LOTE requirement. (Keep in mind that we must work with CUNY IT systems, which adds to the lead time needed.) The current College Option will remain in effect until fall 2018.

From Associate Provost Stuart MacLelland: The revised College Option focuses predominantly on Language Other than English (LOTE) requirements. Because the revision has a LOTE residency requirement and a placement/exemption chart with numerous course variations, the rollout timeline goes far beyond the opening of new student advisement and registration in May 2017. In fact, the amount of work, coordination, and communication involved pushes the effective date back to Fall 2018. Specifically, Modern Languages will need to develop a placement/exemption tool that both has integrity and is efficient, and then work with administrators in IT, the Registrar, and the APAP's office to systemize it (i.e. establish all placement and course variations, and then ensure that once a student is placed, the required combination of courses is properly and expediently coded in the student's CUNYfirst and DegreeWorks accounts). Once all of those elements are in place, rolling out the new COPR will need to heavily focus on training faculty and staff and clearly communicating the correct requirements to students. If we were to try to hastily expedite the COPR revision for Fall 2017, incoming and new transfer students might be roadblocked from fully registering if the placement tool is not properly in place AND/OR an alarming number of new transfer students would be less likely to register for a fulltime courseload because of the sequential nature of LOTE courses, which, of course, would make them ineligible for financial aid.

Date of approval by the Ad Hoc General Education Implementation Committee: March 30, 2017

Effective date: Fall 2017