FALL 2020 Pathways Course Offerings

Freshmen and transfer students who entered the college in Fall 2013 to present, select courses from the following list of offered Pathways courses to fulfill their General Education requirements. Note: Although some courses appear under multiple Pathways designations, each course can only satisfy one Pathways requirement (i.e., Psychology 101 can fulfill either Scientific World or College Option Science, but not both). Students are responsible for checking course prerequisites and conditions, and students cannot earn credits for duplicative courses (e.g. ASTR 1 & ASTR 2, which are considered the same course--with and without a lab component. Such information is indicated on CUNYfirst under each course description.). Also note that some course sections are taught with and without Writing Intensive Units ("W"s). Be sure to pick the proper section to meet your individual requirement needs. If you are unsure as to your course choices, please review with an academic advisor. Lastly, students cannot use the Pass/No Credit (P/NC) grading option for Pathways courses. For more information on General Education, please visit: http://gened.qc.cuny.edu

Required Core (RC)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 110.</td>
<td>College Writing I</td>
</tr>
<tr>
<td>BIOL 13.</td>
<td>Writing in the Sciences - Life Science Themes</td>
</tr>
<tr>
<td>CMLIT 100.</td>
<td>Writing about World Literature</td>
</tr>
<tr>
<td>ENGL 130.</td>
<td>Writing about Literature in English</td>
</tr>
<tr>
<td>EURO 120.</td>
<td>Writing about European Literature and Culture</td>
</tr>
<tr>
<td>HIST 190.</td>
<td>Writing and History</td>
</tr>
<tr>
<td>MUSIC 121.</td>
<td>Writing about Music</td>
</tr>
<tr>
<td>MUSIC 122.</td>
<td>Writing Musical Culture</td>
</tr>
</tbody>
</table>

Mathematical and Quantitative Reasoning (MQR)

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CSCI 12.</td>
<td>Intro. to Computers and Computation</td>
</tr>
<tr>
<td>CSCI 48.</td>
<td>Spreadsheet Programming</td>
</tr>
<tr>
<td>CSCI 111.</td>
<td>Intro.to Algorithmic Problem Solving (SW - only if taken in Spring 2020 term and beyond)**</td>
</tr>
<tr>
<td>CSCI 112.</td>
<td>Introduction to Algorithmic Problem Solving in Java</td>
</tr>
<tr>
<td>CSCI 211.</td>
<td>Object-Oriented Programming in C++</td>
</tr>
<tr>
<td>CSCI 212.</td>
<td>Object-Oriented Programming in Java</td>
</tr>
<tr>
<td>DATA 205.</td>
<td>Social Statistics I (formerly SOC 205)</td>
</tr>
<tr>
<td>MATH 110.</td>
<td>Mathematical Literacy – Intro to College Mathematics</td>
</tr>
<tr>
<td>MATH 114/114W.</td>
<td>Elementary Probability and Statistics</td>
</tr>
<tr>
<td>MATH 115.</td>
<td>College Algebra for Precalculus</td>
</tr>
<tr>
<td>MATH 119.</td>
<td>Mathematics for Elementary School Teachers</td>
</tr>
<tr>
<td>MATH 120.</td>
<td>Discrete Mathematics for Computer Science</td>
</tr>
<tr>
<td>MATH 122.</td>
<td>Precalculus</td>
</tr>
<tr>
<td>MATH 131.</td>
<td>Calculus with Applications to the Social Sciences I</td>
</tr>
<tr>
<td>MATH 141.</td>
<td>Calculus/Differentiation</td>
</tr>
<tr>
<td>MATH 142.</td>
<td>Calculus/Integration</td>
</tr>
<tr>
<td>MATH 143.</td>
<td>Calculus/Infinite Series</td>
</tr>
<tr>
<td>MATH 151.</td>
<td>Calculus/Differentiation &amp; Integration</td>
</tr>
<tr>
<td>MATH 152.</td>
<td>Calculus/Integration &amp; Infinite Series</td>
</tr>
<tr>
<td>MATH 201.</td>
<td>Multivariable Calculus</td>
</tr>
<tr>
<td>MATH 202.</td>
<td>Advanced Calculus</td>
</tr>
<tr>
<td>MATH 231.</td>
<td>Linear Algebra I</td>
</tr>
<tr>
<td>MATH 241.</td>
<td>Intro.to Probability and Mathematical Statistics</td>
</tr>
</tbody>
</table>

Life and Physical Sciences (LPS)

(All courses contain a lab component. Those with two numbers require registration into both lecture & lab sections.)

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ASTR 2.</td>
<td>General Astronomy</td>
</tr>
<tr>
<td>BIOL 11.</td>
<td>Intro.to College Biology</td>
</tr>
<tr>
<td>BIOL 40.</td>
<td>Anatomy and Physiology I</td>
</tr>
<tr>
<td>BIOL 41.</td>
<td>Anatomy and Physiology II</td>
</tr>
<tr>
<td>BIOL 44.</td>
<td>Food and Human Microbiology</td>
</tr>
<tr>
<td>BIOL 105.</td>
<td>General Biology I: Physiology and Cell Biology</td>
</tr>
<tr>
<td>BIOL 106.</td>
<td>General Biology II: Life Forms and Ecosystems</td>
</tr>
<tr>
<td>CHEM 1013 + 1011.</td>
<td>Basic Chemistry</td>
</tr>
<tr>
<td>CHEM 1023 + 1021.</td>
<td>Basic Organic Chemistry</td>
</tr>
<tr>
<td>CHEM 1033 + 1031.</td>
<td>Basic Biochemistry</td>
</tr>
<tr>
<td>CHEM 1134 + 1131.</td>
<td>General Chemistry I: Intro to Chemical Techniques</td>
</tr>
</tbody>
</table>

Flexible Core (FC)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 101.</td>
<td>Intro.to Cultural Anthropology</td>
</tr>
<tr>
<td>CMLIT 101H.</td>
<td>Global Literatures I (Honors Students Only)</td>
</tr>
</tbody>
</table>

For the most updated list of offered General Education courses visit: http://senate.qc.cuny.edu/Curriculum/Approved_Courses/offered_gened.php

*ASTR 2 (LPS with a lab component) is considered the same course as ASTR 1 (SW, SCI without a lab component) - students cannot receive credits twice by taking those two classes. Please refer to CUNYfirst courses’ descriptions for all details.

** CSCI 111 (SW or SCI/College Option) only if taken in Spring 2020 and beyond. The students may appeal for Pathways credit – for more details, please see an advisor in the Academic Advising Center or the Computer Science faculty advisor.

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World Cultures and Global Issues (WCGI - continued)
CMLIT 101W. Global Literatures I
CMLIT 208. Lit. and Society in N. Africa & Middle East
CMLIT 229W. Women in Modern World Literature
DANCE 151. Dance and Culture: Dancing Values
DRAM 1. Intro. to Drama and Theatre
ENGL 157/157W. Readings in Global Literatures in English
FREN 45W. French and Francophone Cultures and Thought
FREN 203. Intermediate French I
FREN 204. French Composition and Grammar I
GRKMD 203. Intermediate Modern Greek I
HIST 101. Early Modern Europe, 1500-1815
HIST 102. Modern Europe, 1815 to the Present
HIST 160. VT: Topics in Global History
ITAL 45W. Italian Culture and Thought
ITAL 203. Intermediate Italian I
ITAL 204. Intermediate Italian II
KOR 305. Advanced Korean I
PSCI 103. Comparative Politics
PSCI 104. International Politics
SPAN 201. Spanish for Heritage Speakers III
SPAN 203. Intermediate Spanish I
SPAN 204. Intermediate Spanish II
SPAN 221. Language Workshop for Spanish Heritage Students
SPAN 225. Composition

Creative Expression (CE - continued)
MUSIC 1. Intro. to Music

Individual and Society (IS)
ACCT 261. Business Law I
ANTH 104. Language, Culture, and Society
ECON 100. Economics and Society
ECON 101. Intro. to Macroeconomics
ECON 102. Intro. to Microeconomics
HIST 255. VT: Transformational Moments in the Arab/Israeli Conflict
MUSIC 247W. Music History II: From 1650 to 1800.
PHIL 101. Intro. to Philosophy
PHIL 104. Intro. to Ethics
PHIL 116. Intro. to Philosophy of Religion
PSCI 101. Intro. to Political Science
PSCI 105. Political Theory
SEYS 120. Critical Social Theory, Action Research, and Multiple Literacies in Education for Social Justice
SOC 101. General Intro. to Sociology
SOC 208. Social Problems
SOC 215. Sociology of Education
URBST 114. Sex and the City

Scientific World (SW)
(Underlined courses contain a lab component.)
ANTH 102. Intro. to Human Evolution
ANTH 103. Intro. to Archaeology
ASTR 1. General Astronomy *
ASTR 2. General Astronomy *
BIOL 11. Intro. to College Biology
BIOL 40. Anatomy and Physiology I
BIOL 41. Anatomy and Physiology II
BIOL 44. Food and Human Microbiology
BIOL 105. General Biology I: Physiology and Cell Biology
BIOL 106. General Biology II: Life Forms and Ecosystems
CHEM 1013 + 1011. Basic Chemistry
CHEM 1023 + 1021. Basic Organic Chemistry
CHEM 1033 + 1031. Basic Biochemistry
CHEM 1134 + 1131. General Chemistry I: Intro to Chemical Techniques
CHEM 1144 + 1141. General Chemistry II: Quantitative and Qualitative Analysis
CHEM 163. Chemistry in Modern Society (161 Lab Optional)
CHEM 2514 + 2511. Organic Chemistry I
CHEM 2524 + 2521. Organic Chemistry II
CSCI 100. Information and Intelligence
CSCI 111. Intro. to Algorithmic Problem Solving (SW - only if taken in Spring 2020 term and beyond)**
DATA 212W. Research Methods (formerly SOC 212W)
ENSCI 100. Our Planet in the 21st Century: Challenges to Humanity
ENSCI 112. Our Changing Planet
FNES 101. The Science of Foods (FNES Majors unless seats available)
FNES 163. General Nutrition

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Scientific World (SW - continued)
GEOL 25. Natural Resources and the Environment
GEOL 77. Weather, Climate, and Climate Change
GEOL 101. Physical Geology
GEOL 102. Historical Geology
LCD 102. Analyzing Language
PHIL 225. Philosophy of Natural Sciences
PHYS 3. Physics of Musical Sound
PHYS 14 + 11. Conceptual Physics (EECE students)
PHYS 103. Physics for Computer Science I
PHYS 204. Physics for Computer Science II
PHYS 1214 + 1211. General Physics I
PHYS 1224 + 1221. General Physics II
PHYS 1454 + 1451. Principles of Physics I
PHYS 1464 + 1461. Principles of Physics II
PSYCH 101. General Psychology
PSYCH 213W. Experimental Psychology (Psych majors only)
SOC 235. Data and Society

Additional Flexible Core (Addit’l FC)
Pick another course in any one of the previous Flexible Core Categories: WCGI; USED; CE; IS; SW

College Option (COPT)
All College Option courses must be completed in residency at Queens College, unless completed at another four-year CUNY college. Inquire with an advisor.

Literature (LIT)
Note that courses listed under the EC1 & EC2 categories DO NOT fulfill the COPT LIT requirement. Only the courses listed below do. If you are seeking to fulfill LIT and a Writing Unit concurrently, you must pick a section of a class that contains a “W.”

CLAS 150. Greek and Latin Classics in Translation
CMLIT 101W. Global Literatures I
CMLIT 102W. Global Literatures II
EAST 152. Korean Literature in Translation
EAST 250. Modern Chinese Fiction in Translation
EAST 251. Modern Japanese Fiction in Translation
ENGL 151/151W. Readings in British Literature
ENGL 152/152W. Readings in American Literature
ENGL 157/157W. Readings in Global Literatures in English
ENGL 161/161W. Intro.to Narrative
ENGL 162W. Literature and Place
ENGL 165W. Intro.to Poetry
ENGL 311. Literature of the Anglo-Saxon Period
ENGL 313. The Arthurian Tradition
ENGL 340. Medieval and Early Modern Drama
ENGL 344. The Eighteenth-Century Novel
ENGL 345. The Nineteenth-Century Novel
ENGL 350. Early American Literature
ENGL 355. African-American Literature II
ENGL 368W. VT: Irish Literature
ENGL 369. Asian American Literature
FREN 41/41W. Masterpieces of French Lit. in Translation
GERM 41W. German Literature in Translation
GRKMD 41W. Modern Greek Literature in Translation
GRKMD 335. Studies in Modern Greek Literature
HEBRW 150. Modern Hebrew Literature in Translation
ITAL 41W. Masterpieces of Italian Literature in Translation
MES 160. Classical Islamic Literature and Civilization
RUSS 155/155W. Keys to Russian Literature
SPAN 41. Masterpieces of Hispanic Literature in Translation
SPAN 60. Hispanic Literature and Culture in the United States

Language (LANG)
NOTE: Student must consult the appropriate language department for course placement. (Please refer to QC website for departments’ contact and placement instructions.)
ARAB 101. Elementary Arabic I
ARAB 203. Intermediate Arabic I
CHIN 101. Elementary Chinese I
CHIN 203. Intermediate Chinese I
CHIN 250. Introduction to Classical Chinese I
CHIN 311. Advanced Modern Chinese
CHIN 320. Chinese Drama
CHIN 330. The Chinese Essay
CHIN 350. VT: Chinese Fiction
CHIN 360. Traditional Chinese Literature
FREN 111. Elementary French I
FREN 112. Elementary French II
FREN 203. Intermediate French I
FREN 204. French Composition and Grammar I
FREN 228. Advanced Literary Analysis
FREN 231. Skills and Art of Translation
FREN 367. Topics in French and Francophone Literature Since 1900
GERM 111. Elementary German I
GERM 203. Intermediate German I
GREEK 251. Elementary Ancient Greek I
GRKMD 111. Elementary Modern Greek I
GRKMD 112. Elementary Modern Greek II
GRKMD 203. Intermediate Modern Greek I
HEBRW 101. Elementary Hebrew I
HEBRW 102. Elementary Hebrew II
HEBRW 356. Modern Hebrew Literature: 1948 to the Present Day
ITAL 111. Elementary Italian I
ITAL 112. Elementary Italian II
ITAL 203. Intermediate Italian I
ITAL 204. Intermediate Italian II
ITAL 223. Advanced Conversation
ITAL 224. Advanced Grammar
ITAL 345. Studies in Medieval Literature I: Dante
JPNS 101. Elementary Japanese I
JPNS 203. Intermediate Japanese I

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Language (LANG - continued)
JPNS 305. Advanced Modern Japanese I
JPNS 311. Advanced Texts I
KOR 101. Elementary Korean I
KOR 102. Elementary Korean II
KOR 203. Intermediate Korean I
KOR 305. Advanced Korean I
KOR 370. Advanced Korean Through Film
LATIN 101. Elementary Latin
LCD 101. Introduction to Language
LCD 102. Analyzing Language

(EECE Students: LCD 101 & 102 are only choices if you already have a foreign language course.)

LCD 1913. Special Problems: American Sign Language
PORT 111. Elementary Portuguese I
RUSS 111. Elementary Russian I
RUSS 112. Elementary Russian II
RUSS 204. Intermediate Russian II
SPAN 111. Elementary Spanish I
SPAN 112. Elementary Spanish II
SPAN 201. Spanish for Heritage Speakers III
SPAN 203. Intermediate Spanish I
SPAN 204. Intermediate Spanish II
SPAN 215. Spanish Conversation
SPAN 221. Language Workshop for Spanish Heritage Students
SPAN 224. Grammar
SPAN 225. Composition
SPAN 240. Introduction to Hispanic Literary Studies
SPAN 250. Survey of Spanish Literature I
SPAN 260. Survey of Spanish Literature II
SPAN 280. Survey of Spanish-America Literature I
SPAN 290. Survey of Spanish American Literature II
SPAN 312. The Culture and Civilization of Latin America
SPAN 337. Advanced Grammar and Phonology
SPAN 390. Hispanic Literature Seminar

Science (SCI - continued)
CHEM 1144 + 1141. General Chemistry II: Quantitative and Qualitative Analysis
CHEM 2514 + 2511. Organic Chemistry I
CHEM 2524 + 2521. Organic Chemistry II
CSCI 100. Introduction to Computer Science
CSCI 111. Intro. to Algorithmic Problem Solving (SW - only if taken in Spring 2020 term and beyond)**
ENSCI 99. A Practical Guide to Environmental Choices
ENSCI 100. Our Planet in the 21st Century: Challenges to Humanity
ENSCI 112. Our Changing Planet
FNES 101. The Science of Foods (FNES Majors ONLY unless seats available)
FNES 163. General Nutrition
GEOL 8. Introduction to Oceanography
GEOL 25. Natural Resources and the Environment
GEOL 77. Weather, Climate, and Climate Change
GEOL 101. Physical Geology
GEOL 102. Historical Geology
LCD 102. Analyzing Language
PHIL 225. Philosophy of the Natural Sciences
PHYS 3. Physics of Musical Sound
PHYS 5. Physics and the Future
PHYS 14 + 11. Conceptual Physics (EECE students)
PHYS 103. Physics for Computer Science I
PHYS 204. Physics for Computer Science II
PHYS 1214 + 1211. General Physics I
PHYS 1224 + 1221. General Physics II
PHYS 1454 + 1451. Principles of Physics I
PHYS 1464 + 1461. Principles of Physics II
PSYCH 101. General Psychology
PSYCH 213W. Experimental Psychology (Psych majors only)
SOC 235. Data and Society

Synthesis Other (SYN):
Any LPS or Flexible Core listed above, plus the following Synthesis courses.

ANTH 102. Intro. to Human Evolution
ANTH 103. Intro to Archaeology
ASTR 1. General Astronomy*
ASTR 2. General Astronomy*
BIOL 11. Intro. to College Biology
BIOL 22. Introduction to Human Physiology
BIOL 40. Anatomy and Physiology I
BIOL 41. Anatomy and Physiology II
BIOL 44. Food and Human Microbiology
BIOL 105. General Biology I: Physiology and Cell Biology
BIOL 106. General Biology II: Life Forms and Ecosystems
CHEM 163. Chemistry in Modern Society (+161 Lab, Optional)
CHEM 1013 + 1011. Basic Chemistry
CHEM 1023 + 1021. Basic Organic Chemistry
CHEM 1033 + 1031. Basic Biochemistry
CHEM 1134 + 1131. General Chemistry I: Intro to Chemical Techniques

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For information on General Education at Queens College please visit [http://gened.qc.cuny.edu](http://gened.qc.cuny.edu). This list is only accurate as of 4/22/15. For the most updated list of offered General Education courses visit: [http://senate.qc.cuny.edu/Curriculum/Approved_Courses/offered_gened.php](http://senate.qc.cuny.edu/Curriculum/Approved_Courses/offered_gened.php)
For information on General Education at Queens College please visit [http://gened.qc.cuny.edu](http://gened.qc.cuny.edu). This list is only accurate as of 3/31/15. For the most updated list of offered General Education courses visit: [http://senate.qc.cuny.edu/Curriculum/Approved_Courses/offered_gened.php](http://senate.qc.cuny.edu/Curriculum/Approved_Courses/offered_gened.php)