Fall 2016 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 courses 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. For more information on General Education, please visit: http://gened.qc.cuny.edu

REQUIRED CORE

Composition I (EC-1)
ENGL 110. College Writing I

Composition II (EC-2)
BIOL 13. Writing in the Sciences - Evolutionary Themes
CMLIT 100. Writing about World Literature
ENGL 130. Writing about Literature in English
ENGL 130 H. Writing about Literature in English
EURO 120. Writing about European Literature and Culture
HIST 190. Writing and History
MUSIC 121. Writing about Music
URBST 120. Writing in Urban Studies

Mathematical and Quantitative Reasoning (MQR)
CSCI 12. Intro. to Computers and Computation
CSCI 48. Spreadsheet Programming
CSCI 111. Intro.to Algorithmic Problem Solving
CSCI 112. Introduction to Algorithmic Problem Solving in Java
CSCI 211. Object-Oriented Programming in C++
CSCI 212. Object-Oriented Programming in Java
MATH 110. Mathematical Literacy - An Intro.to College Mathematics
MATH 114. Elementary Probability and Statistics
MATH 119. Mathematics for Elementary School Teachers
MATH 120. Discrete Mathematics for Computer Science
MATH 122. Precalculus
MATH 131. Calculus with Applications to the Social Sciences I
MATH 141. Calculus/Differentiation
MATH 142. Calculus/Integration
MATH 143. Calculus/Infinite Series
MATH 151. Calculus/Differentiation & Integration
MATH 152. Calculus/Integration & Infinite Series
MATH 157. Honors Calculus I
MATH 201. Calculus
MATH 202. Advanced Calculus
MATH 231. Linear Algebra I
MATH 241. Intro.to Probability and Mathematical Statistics
PSYCH 107. Statistical Methods
SOC 205. Social Statistics I

Life and Physical Sciences (LPS)
BIOL 11. Intro.to College Biology
BIOL 105. General Biology I
BIOL 106. General Biology II

(Cont’d LPS)
CHEM 1013 + 1011. Basic Chemistry + Lab
CHEM 1023 + 1021. Basic Organic Chemistry + Lab
CHEM 1033 + 1031. Basic Biochemistry + Lab
CHEM 1134 + 1131. General Chemistry I + Lab: Intro to Chemical Techniques
CHEM 1144 + 1141. General Chemistry II + Lab: Quantitative and Qualitative Analysis
CHEM 2514 + 2511. Organic Chemistry I + Lab
ENSCI 99. A Practical Guide to Environmental Choices
ENSCI 100. Our Planet in the 21st Century: Challenges to Humanity
FNES 101. The Science of Foods (FNES Majors ONLY)
GEOL 99. Planet Earth: Resources (and Hazards) for the 21st Century
GEOL 101. Physical Geology
PHYS 103. Physics for Computer Science I
PHYS 204. Physics for Computer Science II
PHYS 1214 + 1211. General Physics I + Lab.
PHYS 1224 + 1221. General Physics II + Lab.
PHYS 1454 + 1451. Principles of Physics I + Lab.
PHYS 1464 + 1461. Principles of Physics II + Lab.
PSYCH 213W. Experimental Psychology

FLEXIBLE CORE

World Cultures and Global Issues (WCGI)
ANTH 101. Intro.to Cultural Anthropology
CMLIT 101H. Global Literatures I (Honors Students Only)
CMLIT 101W. Global Literatures I
CMLIT 229W. Women in Modern World Literature
CMLIT 231. African Literatures in a World Context
DRAM 1. Intro.to Drama and Theatre
ENGL 157/157W. Great Works of Global Literatures in English
FREN 45. French Civilization
FREN 203. Intermediate French I
FREN 204. French Composition and Grammar I
GRKMD 204. Intermediate Modern Greek II
GRKMD 223. Modern Greek Conversation
HIST 101. Early Modern Europe, 1500-1815
HIST 102. Modern Europe, 1815 to the Present
HIST 160. Global History: World
ITAL 45. Italian Civilization
ITAL 203. Intermediate Italian I
ITAL 204. Intermediate Italian II

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(Cont’d WCGI)
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 222. Language Workshop for Non-Native Spanish Heritage Students
SPAN 250. Survey of Spanish Literature I
SPAN 280. Survey of Spanish-American Literature II
URBST 326. Cities and Diasporas

U.S. Experience in its Diversity (USED)
AMST 110W. American Studies
ENGL 152/152W. Works of American Literature
HIST 103. American History, 1607-1865
HIST 104. American History, 1865 to the Present
HIST 163. Social and Cultural History
LCD 103. Multilingualism in the United States
PSCI100. American Politics and Government
PSCI 102. Current Political Controversies
PSCI 210. American State and Local Government
SOC 103. Sociology of American Life
SOC 211. Ethnic and Racial Relations
SOC 222. Social Welfare as a Social Institution
URBST 101. Urban Issues: Poverty and Affluence
URBST 103. Urban Diversity
URBST 105. Urban Politics

Creative Expression (CE)
ARTH 1. Intro. to Art
ARTH 102. History of Western Art II
ARTH 114. Survey of Asian Art
ARTH 220. Renaissance Art and the Birth of Modernity
CMLIT 215W. Topics in Modern Literature
DANCE 150. Intro. to Dance
DRAM 100. Intro. to Acting
DRAM 111. Intro. to Design for the Theatre
ENGL 153W. Intro. to the Bible
ENGL 165H. Intro.to Poetry (Honors Students Only)
ENGL165W. Intro.to Poetry
HNRS 125. The Arts in New York City
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 166. VT: History and Memory
HIST 255. VT: Transformational Moments in the Arab/Israeli Conflict
HSS 200. Social Sciences and Society
PHIL 101. Intro. to Philosophy
PHIL 104H. Intro. to Ethics (Honors Students Only)
PHIL 104. Intro. to Ethics
PHIL 116. Intro. to Philosophy of Religion
PSCI 101. Intro. to Political Science
PSCI 105. Political Theory
SOC 101. General Intro.to Sociology

Scientific World (SW)
(underlined courses contain a lab component)
ANTH 102. Intro.to Human Evolution
ANTH 103. Intro.to Archaeology
ASTR 1. General Astronomy
Biol 11. Intro.to College Biology
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 + Lab
CHEM 1023 + 1021. Basic Organic Chemistry + Lab
CHEM 1033 + 1031. Basic Biochemistry + Lab
CHEM 1134 + 1131. General Chemistry I + Lab: Intro to Chemical Techniques
CHEM 1144 + 1141. General Chemistry II + Lab: Quantitative and Qualitative Analysis
CHEM 2514 + 2511. Organic Chemistry I + Lab
CSCI 100. Information and Intelligence
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)
GEOL 25. Natural Resources and the Environment
GEOL 101. Physical Geology
HNRS 225. Science and Technology in NYC
LCD 102. Analyzing Language
PHIL 225. Philosophy of Natural Sciences
PHYS 3. Physics of Musical Sound
PHYS 103. Physics for Computer Science I
PHYS 204. Physics for Computer Science II
PHYS 1214 + 1211. General Physics I + Lab.
PHYS 1224 + 1221. General Physics II + Lab.
PHYS 1454 + 1451. Principles of Physics I + Lab.
PHYS 1464 + 1461. Principles of Physics II + Lab.
PSYCH 101. General Psychology
PSYCH 213W. Experimental Psychology
SOC 212W. Sociological Analysis

COLLEGE OPTION

Literature (LIT)
ACE 5W. Great Works of Literature
CLAS 150. Greek and Latin Classics in Translation
CMLIT 101W. Global Literatures I (Honors Students Only)
CMLIT 102W. Global Literatures II
EAST 250. Modern Chinese Fiction in Translation
ENGL 151W. Works of English Literature: A Course for Nonmajors
ENGL 152/152W. Works of American Literature: A Course for Nonmajors
ENGL 157/157W. Great Works of Global Literatures in English
ENGL 161W. Intro.to Narrative
ENGL 162W. Literature and Place
ENGL 165H. Intro.to Poetry (Honors Students Only)
ENGL 165W. Intro.to Poetry
ENGL 251. British Literature Survey I

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**Language (LANG)**

NOTE: Student should consult the appropriate language department for course placement.

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<tr>
<td>ARAB 101</td>
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<td>ARAB 203</td>
<td>Intermediate Arabic I</td>
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<td>ARAB 305</td>
<td>Advanced Arabic I</td>
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<td>CHIN 101</td>
<td>Elementary Chinese I</td>
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<td>Intermediate Chinese I</td>
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<td>CHIN 250</td>
<td>Introduction to Classical Chinese I</td>
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<td>CHIN 320</td>
<td>Chinese Drama</td>
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<td>CHIN 330</td>
<td>The Chinese Essay</td>
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<td>CHIN 350</td>
<td>VT: Chinese Fiction</td>
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<td>CHIN 360</td>
<td>Traditional Chinese Literature</td>
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<td>FREN 204</td>
<td>French Composition and Grammar I</td>
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<td>FREN 228</td>
<td>Advanced Literary Analysis</td>
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<td>FREN 231</td>
<td>Skills and Art of Translation</td>
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<td>FREN 380</td>
<td>VT: Women's Writing in French</td>
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<td>GERM 228</td>
<td>Advanced Conversation and Composition, Level II</td>
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<td>GREEK 251</td>
<td>Elementary Ancient Greek I</td>
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<td>GRKMD 112</td>
<td>Elementary Modern Greek II</td>
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<td>Modern Greek Conversation</td>
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<td>Modern Hebrew Literature: 1880-1947</td>
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<td>Commercial and Technical Italian</td>
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<td>ITAL 329</td>
<td>Textual Analysis</td>
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<td>Intro. to Language</td>
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<td>Intermediate Spanish II</td>
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<td>SPAN 215</td>
<td>Spanish Conversation</td>
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<td>SPAN 222</td>
<td>Language Workshop for Non-Native Spanish Heritage Students</td>
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<td>SPAN 224</td>
<td>Grammar</td>
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<td>SPAN 225</td>
<td>Composition</td>
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<td>SPAN 240</td>
<td>Introduction to Hispanic Literary Studies</td>
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<tr>
<td>SPAN 250</td>
<td>Survey of Spanish Literature II</td>
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<td>SPAN 290</td>
<td>Survey of Spanish American Literature II</td>
</tr>
<tr>
<td>SPAN 310</td>
<td>The Culture and Civilization of Spain</td>
</tr>
<tr>
<td>SPAN 390</td>
<td>Hispanic Literature Seminar</td>
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</tbody>
</table>

**Science (SCI)**

(underlined courses contain a lab component)

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ANTH 102</td>
<td>Intro. to Human Evolution</td>
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<tr>
<td>ANTH 103</td>
<td>Intro. to Archaeology</td>
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<tr>
<td>ASTR 1</td>
<td>General Astronomy</td>
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<tr>
<td>ASTR 2</td>
<td>General Astronomy with Laboratory</td>
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<td>BIOL 11</td>
<td>Intro. to College Biology</td>
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<td>BIOL 105</td>
<td>General Biology I</td>
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<td>BIOL 106</td>
<td>General Biology II</td>
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<tr>
<td>CHEM 163</td>
<td>Chemistry in Modern Society (+161 Lab, Optional)</td>
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<tr>
<td>CHEM 1011</td>
<td>Basic Chemistry + Lab</td>
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<tr>
<td>CHEM 1021</td>
<td>Basic Organic Chemistry + Lab</td>
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<td>CHEM 1031</td>
<td>Basic Biochemistry + Lab</td>
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<td>CHEM 1131</td>
<td>General Chemistry I + Lab: Intro to Chemical Techniques</td>
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<td>CHEM 1141</td>
<td>General Chemistry II + Lab: Quantitative and Qualitative Analysis</td>
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<tr>
<td>CHEM 2511</td>
<td>Organic Chemistry I + Lab</td>
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<td>ENSCI 99</td>
<td>A Practical Guide to Environmental Choices</td>
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<td>ENSCI 112</td>
<td>Our Changing Planet</td>
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<tr>
<td>FNES 101</td>
<td>The Science of Foods (FNES Majors ONLY)</td>
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<td>FNES 163</td>
<td>General Nutrition</td>
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<td>GEOL 25</td>
<td>Natural Resources and the Environment</td>
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<td>GEOL 99</td>
<td>Planet Earth: Resources (and Hazards) for the 21st Century</td>
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<td>Physical Geology</td>
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<td>HNRS 225</td>
<td>Science and Technology in New York City</td>
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(Cont’d SCI)

LCD 102. Analyzing Language  
PHIL 225. Philosophy of Natural Sciences  
PHYS 3. Physics of Musical Sound  
PHYS 5. Physics and the Future  
PHYS 7. Intro.to the Physics of Musical Sounds  
PHYS 14 + 11. Conceptual Physics + Lab  
PHYS 103. Physics for Computer Science I  
PHYS 204. Physics for Computer Science II  
PHYS 1214 + 1211. General Physics I + Lab.  
PHYS 1224 + 1221. General Physics II + Lab  
PHYS 1454 + 1451. Principles of Physics I + Lab.  
PHYS 1464 + 1461. Principles of Physics II + Lab.  
PSYCH 101. General Psychology  
PSYCH 213W. Experimental Psychology  
SOC 212W. Sociological Analysis

**Other (SYN):**
Any LPS or Flexible Core listed above,  
plus the following Synthesis courses.
None
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