## SUMMER 2017 PATHWAYS COURSES

Freshmen and transfer students who entered the college for the Fall 2013 semester or later must 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 Core/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. For more information on General Education, please visit: [http://gened.qc.cuny.edu](http://gened.qc.cuny.edu)

### Summer I Short 2017 Pathways Courses

Note: Although some courses appear more than once under different pathways designations, each course can only satisfy one requirement at a time.

#### Required Core:
- **College Writing 1 (EC-1)** None
- **College Writing 2 (EC-2)**
  - BIOL 13. Writing in the Sciences – Evolutionary Themes
  - CMLIT 100. Writing about World Literature
  - MUSIC 121. Writing about Music

#### Mathematics and Quantitative Reasoning (MQR)
- CSCI 111. Introduction to Algorithmic Problem Solving
- MATH 114. Elementary Probability and Statistics
- MATH 122. Precalculus
- MATH 131. Calculus with Applications to the Social Sciences I
- MATH 141. Calculus/Differentiation

#### Life and Physical Sciences (LPS)
- BIOL 11. Introduction to College Biology
- ENSCI 99. A Practical Guide to Environmental Choices

#### Flexible Core:
- **World Cultures and Global Issues (WCGI)**
  - ANTH 101. Introduction to Cultural Anthropology
  - CMLIT 101W. Global Literatures I
  - CMLIT 229W. Women in Modern World Literature
  - ENGL 157W. Great Works of Global Literatures in English
  - HIST 101. Early Modern Europe, 1500-1815
  - HIST 102. Modern Europe, 1815 to the Present
  - HIST 160. Global History: World
  - LCD 102. Analyzing Language
  - PHIL 101. Introduction to Philosophy
  - PSYCH 101. General Psychology

- **Creative Expression (CE)**
  - ENGL 165W. Introduction to Poetry
  - MUSIC 1. Introduction to Music

- **Individual and Society (IS)**
  - ACCT 261. Business Law I
  - ANTH 104. Language, Culture and Society
  - ECON 101. Introduction to Macroeconomics
  - ECON 102. Introduction to Microeconomics
  - PHIL 104. Introduction to Ethics
  - PHIL 116. Introduction to Philosophy of Religion
  - PSCI 101. Introduction to Political Science
  - SOC 101. General Introduction to Sociology
  - SOC 215. Sociology of Education

- **Scientific World (SW)**
  - ANTH 102. Introduction to Human Evolution
  - ANTH 103. Introduction to Archaeology
  - ASTR 1. General Astronomy
  - BIOL 11. Introduction to College Biology
  - LCD 102. Analyzing Language
  - PSYCH 101. General Psychology

- **U.S. Experience in its Diversity (USED)**
  - ENGL 152/152W. Works of American Literature: A Course for Nonmajors
  - ENGL 157W. Great Works of Global Literatures in English
  - ENGL 161W. Introduction to Narrative
  - ENGL 162W. Literature and Place
  - ENGL 165W. Introduction to Poetry
  - RUSS 155. Keys to Russian Literature

- **College Core/College Option:**
  - **Literature (LIT)**
    - CMLIT 101W. Global Literatures I
    - CMLIT 102W. Global Literatures II
    - ENGL 151/151W. Works of English Literature: A Course for Nonmajors
    - ENGL 152/152W. Works of American Literature: A Course for Nonmajors
    - ENGL 157W. Great Works of Global Literatures in English
    - ENGL 161W. Introduction to Narrative
    - ENGL 162W. Literature and Place
    - ENGL 165W. Introduction to Poetry
  - **Language (LANG)**
    - CHIN 101. Elementary Chinese I
    - CHIN 203. Intermediate Chinese I
    - FREN 111. Elementary French I
    - ITAL 111. Elementary Italian I
    - JPNS 203. Intermediate Japanese I
    - KOR 101. Elementary Korean I
    - KOR 203. Intermediate Korean I

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LATIN 101. Elementary Latin
LCD 101. Introduction to Language
LCD 102. Analyzing Language
PORT 111. Elementary Portuguese I
SPAN 111. Elementary Spanish I
SPAN 112. Elementary Spanish II
SPAN 203. Intermediate Spanish I
SPAN 221. Language Workshop for Spanish Heritage Students
SPAN 224. Grammar

Science (SCI)
ANTH 102. Introduction to Human Evolution
ANTH 103. Introduction to Archaeology

ASTR 1. General Astronomy
BIOL 11. Introduction to College Biology
BIOL 22. Introduction to Human Physiology
ENSCI 99. A Practical Guide to Environmental Choices
FNES 163. General Nutrition
LCD 102. Analyzing Language
PHYS 5. Physics and the Future
PSYCH 101. General Psychology

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

Summer II Short 2017 Pathways Courses
Freshmen and transfer students who entered the college for the Fall 2013 semester or later must select courses from the following list of pathways courses offered to fulfill their General Education requirements.

Required Core:

College Writing 1 (EC-1)
None
College Writing 2 (EC-2)
None
Mathematics and Quantitative Reasoning (MQR)
CSCI 111. Introduction to Algorithmic Problem – Solving

Life and Physical Sciences (LPS)
FNES 101. The Science of Foods
GEOL 99. Planet Earth: Resources (and Hazards) for the 21st Century

Flexible Core:

World Cultures and Global Issues (WCGI)
CMLIT 101W. Global Literatures I

U.S. Experience in its Diversity (USED)
URBST 101. Urban Issues: Poverty and Affluence

Creative Expression (CE)
CMLIT 215W. Topics in Modern Literature

Individual and Society (IS)
PSCI 101. Introduction to Political Science
PSCI 105. Introduction to Political Thought

Scientific World (SW)
FNES 101. The Science of Food
LCD 102. Analyzing Language
PSYCH 101. General Psychology

College Core/College Option:

Literature (LIT)
CMLIT 101W. Global Literatures I
CMLIT 102W. Global Literatures II
RUS 155. Keys to Russian Literature

Language (LANG)
ARAB 101. Elementary Arabic I
CHIN 102. Elementary Chinese II
CHIN 204. Intermediate Chinese II
JPNS 204. Intermediate Japanese II
KOR 101. Elementary Korean I
KOR 102. Elementary Korean II
KOR 204. Intermediate Korean II
LCD 101. Introduction to Language

Science (SCI)
FNES 101. The Science of Foods
GEOL 99. Planet Earth: Resources (and Hazards) for the 21st Century

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

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Summer II Long 2017 Pathways Courses

Freshmen and transfer students who entered the college for the Fall 2013 semester or later must select courses from the following list of offered pathways courses to fulfill their General Education requirements.

Note: Although some courses appear more than once under different pathways designations, each course can only satisfy one requirement at a time

Required Core:

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

**College Writing 2 (EC-2)**
ENGL 130. Writing about Literature in English

**Mathematics and Quantitative Reasoning (MQR)**
CSCI 12. Introduction to Computers and Computation
CSCI 48. Spreadsheet Programming
CSCI 111. Introduction to Algorithmic Problem Solving
CSCI 211. Object-Oriented Programming in C++
CSCI 212. Object-Oriented Programming in Java
MATH 110. Mathematical Literacy - An Introduction 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 201. Calculus
MATH 241. Intro. to Probability and Mathematical Statistics
PSYCH 107. Statistical Methods

**Life and Physical Sciences (LPS)**
CHEM 1013 + 1011. Basic Chemistry + Lab
CHEM 1023 + 1021. Basic Organic Chemistry + Lab
CHEM 1134 + 1131. General Chemistry I+ Lab: Introduction to Chemical Techniques
CHEM 1144 + 1141. General Chemistry II + Lab: Quantitative and Qualitative Analysis
PHYS 1214 + 1211. General Physics I + Lab
PHYS 1224 + 1221. General Physics II + Lab
PSYCH 213W. Experimental Psychology

**Flexible Core:**

**World Cultures and Global Issues (WCGI)**
ANTH 101. Intro. to Cultural Anthropology
HIST 101. Early Modern Europe, 1500-1815
HIST 102. Modern Europe, 1815 to the Present
HIST 160. Global History: World
PORT 203. Intermediate Portuguese II
SPAN 203. Intermediate Spanish I

**U.S. Experience in its Diversity (USED)**
ENGL 152W. Works of American Literature: A Course for Nonmajors
HIST 103. American History, 1607-1865
HIST 104. American History, 1865 to the Present
URBST 101. Urban Issues: Poverty and Affluence
URBST 103. Urban Diversity
URBST 105. Urban Politics

**Creative Expression**
DRAM 100. Introduction to Acting
ENGL 165W. Introduction to Poetry
MUSIC 1. Introduction to Music

**Individual and Society (IS)**
ECON 101. Introduction to Macroeconomics
ECON 102. Introduction to Microeconomics
PHIL 101. Introduction to Philosophy
PHIL 104. Introduction to Ethics
PHIL 116. Introduction to Philosophy of Religion
SOC 208. Social Problems
SOC 215. Sociology of Education
URBST 114. Sex and the City

**Scientific World (SW)**
ANTH 103. Introduction to Archeology
ASTR 1. General Astronomy
CHEM 163 + 161: Chemistry in Modern Society + Lab
CHEM 1013 + 1011. Basic Chemistry + Lab
CHEM 1023 + 1021. Basic Organic Chemistry + Lab
CHEM 1134 + 1131. General Chemistry I+ Lab: Introduction to Chemical Techniques
CHEM 1144 + 1141. General Chemistry II + Lab: Quantitative and Qualitative Analysis
PHYS 1214 + 1211. General Physics I + Lab
PHYS 1224 + 1221. General Physics II + Lab
PSYCH 213W. Experimental Psychology
SOC 212W. Sociological Analysis

**College Core/College Option:**

**Literature (LIT)**
ENGL 151W. Works of English Literature: A Course for Nonmajors

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ENGL 152W. Works of American Literature: A Course for Nonmajors
ENGL 161W. Introduction to Narrative
ENGL 162W. Literature and Place
ENGL 165W. Introduction to Poetry
SPAN 41. Masterpieces of Hispanic Literature in Translation

**Language (LANG)**
PORT 111. Elementary Russian I
PORT 203. Intermediate Portuguese I
SPAN 111. Elementary Spanish I
SPAN 112. Elementary Spanish II
SPAN 203. Intermediate Spanish I
SPAN 224. Grammar

**Science (SCI)**
ANTH 103. Introduction to Archeology
ASTR 1. General Astronomy
CHEM 163 + CHEM 161: Chemistry in Modern Society + Lab
CHEM 1013 + 1011. Basic Chemistry + Lab
CHEM 1023 + 1021. Basic Organic Chemistry + Lab
CHEM 1134 + 1131. General Chemistry I+ Lab: Introduction to Chemical Techniques
CHEM 1144 + 1141. General Chemistry II + Lab: Quantitative and Qualitative Analysis
PHYS 1214 + 1211. General Physics I + Lab.
PHYS 1224 + 1221. General Physics II + Lab.
PSYCH 213W. Experimental Psychology
SOC 212W. Sociological Analysis

**Other**
Any LPS or Flexible Core course listed above, plus the following Synthesis course.
None

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