### Required Core (RC)

**English Composition I (EC-1)**  
ENGL 110. College Writing I  
ENGL 110H. College Writing I (Honors only)

**English Composition II (EC-2)**  
BIOL 13. Writing in the Sciences - Life Science Themes  
CMLIT 100. Writing about World Literature  
DRAM 130. Writing About Performance  
ENGL 130 Writing about Literature in English  
ENGL 130H. Writing about Literature in English (Honors only)  
EURO 120. Writing about European Literature and Culture  
HIST 190. Writing and History  
MUSIC 121. Writing about Music  
MUSIC 122. Writing Musical Culture  
SOC 190. Writing for Sociology  
URBST 120. Writing in Urban Studies

**Mathematical and Quantitative Reasoning (MQR)**  
CSCI 12. Intro. to Computers and Computation  
CSCI 48. Spreadsheet Programming  
CSCI 211. Object-Oriented Programming in C++  
CSCI 212. Object-Oriented Programming in Java  
DATA 205. Social Statistics I (formerly SOC 205)  
MATH 110. Mathematical Literacy – Intro. to College Mathematics  
MATH 114W. Elementary Probability and Statistics  
MATH 115. College Algebra for Precalculus  
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. Multivariable Calculus  
MATH 202. Advanced Calculus  
MATH 231. Linear Algebra I  
MATH 241. Intro. to Probability and Mathematical Statistics  
PHYS 8. The Science of Fractals and Its Applications

**Mathematical and Quantitative Reasoning (MQR-continued)**  
PSYCH 1071 & 1073: Statistical Methods (Must register for both laboratory & lecture)

**Life and Physical Sciences (LPS)**  
(All courses contain a lab component. Those with two numbers require registration into both lecture & lab sections.)  
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 2514 + 2511. Organic Chemistry I  
CHEM 2524 + 2521. Organic Chemistry II  
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 unless seats available)  
GEOL 101. Physical Geology  
GEOL 102. Historical Geology  
PHYS 14 + 11. Conceptual Physics (EECE students)  
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 213W. Experimental Psychology (Psych. major)

---

*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.

For the most updated list of offered General Education courses visit [http://gened.qc.cuny.edu/course-lists/pathways-courses/](http://gened.qc.cuny.edu/course-lists/pathways-courses/)
**Flexible Core (FC)**

**World Cultures and Global Issues (WCGI)**
- AFST 101. Survey of African Civilization
- ANTH 101. Intro. to Cultural Anthropology
- CMLIT 101H. Global Literatures I (Honors Students Only)
- CMLIT 101W. Global Literatures I
- DRAM 1. Intro. to Drama and Theatre
- ENGL 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
- FREN 223. Advanced Conversation and Phonetics
- GERM 204. Intermediate German II
- 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
- HIST 311. Jewish Society in Islamic Lands, 632-1517
- ITAL 204. Intermediate Italian II
- KOR 306. Advanced Korean II
- MES 170. Islam
- 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

**U.S. Experience in its Diversity (USED)**
- ENGL 152/152W. Readings in American Literature
- HIST 103. American History, 1607-1865
- HIST 104. American History, 1865 to the Present
- HIST 163.VT: Topics in U.S. History
- HNRS 126W. The Peopling of New York (Honors Students Only)
- LALS 203. Introduction to Latinx Ethnic Identity
- LCD103. Multilingualism in the United States
- PSCI 100. 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
- WGS 101W. Introduction to Women’s Studies

**Creative Expression (CE)**
- ARTH 1. Introduction to Art
- ARTH 102. History of Western Art II
- ARTH 113. Survey of Modern Art
- ARTH 114. Survey of Asian Art
- ARTH 256. Contemporary Art Practices

**Creative Expression (CE - continued)**
- ARTH 258. History of Photography
- ARTS 333. Introduction to Socially Engaged Art Practice
- CMLIT 215W. Topics in Modern Literature
- DANCE 150. Introduction to Dance
- DRAM 100. Introduction to Acting
- DRAM 111. Intro. to Theater Design
- ENGL 153W. Introduction to the Bible
- ENGL 165W. Introduction to Poetry
- GRKMD 250. Modern Greek Film and Media
- MUSIC 1. Intro. to Music

**Individual and Society (IS)**
- ACCT 261. Business Law I
- ANTH 104. Language, Culture, and Society
- BALA 101. Business and Society
- ECON 100. Economics and Society
- ECON 101. Intro. to Macroeconomics
- ECON 102. Intro. to Microeconomics
- FNES 158. Fashion History from the 20th Century to the Present
- HIST 255. VT: Transformational Moments in the Arab/Israeli Conflict
- HNRS 226. Shaping the Future of New York City (Honors Students Only)
- HSS 200. Social Sciences and Society (Social Science Honors Program Only)
- PHIL 101. Intro. to Philosophy
- PHIL 104. Intro. to Ethics
- PHIL 104H. Intro. to Ethics (Honors Students Only)
- 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 on Education for Social Justice (College Now Program Only)
- SEYS 150. Youth & Society (*Students need to register under the course’s previous title, SEYS 290.3 Studies in Education, in CUNYfirst.)
- 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 163. Chemistry in Modern Society (161 Lab Optional)
- CHEM 1013 + 1011. Basic Chemistry
- CHEM 1023 + 1021. Basic Organic Chemistry
- CHEM 1033 + 1031. Basic Biochemistry

*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.

For the most updated list of offered General Education courses visit: [http://gened.qc.cuny.edu/course-lists/pathways-courses/](http://gened.qc.cuny.edu/course-lists/pathways-courses/)
For the most updated list of offered General Education courses visit: http://gened.qc.cuny.edu/course-lists/pathways-courses/
Language (LANG - continued)
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
ITAL 111. Elementary Italian I
ITAL 112. Elementary Italian II
ITAL 204. Intermediate Italian II
ITAL 364. Studies in Modern Literature III: Prose
JPNS 101. Elementary Japanese I
JPNS 102. Elementary Japanese II
JPNS 204. Intermediate Japanese II
KOR 101. Elementary Korean I
KOR 102. Elementary Korean II
KOR 204. Intermediate Korean II
KOR 306. Advanced Korean II
KOR 360. Readings in Korean
LATIN 102. Intermediate Latin
LCD 101. Introduction to Language
LCD 102. Analyzing Language

(EECE Students: ANTH 104, LCD 101 & 102 are only choices if you already have a foreign language course.)
PORT 111. Elementary Portuguese I
RUSS 111. Elementary Russian I
RUSS 203. Intermediate Russian I
SPAN 111. Elementary Spanish I
SPAN 112. Elementary Spanish II
SPAN 201. Spanish for Heritage Speakers III
SPAN 203. Intermediate Spanish
SPAN 204. Intermediate Spanish II
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 310. The Culture and Civilization of Spain
SPAN 390. Hispanic Literature Seminar

Science (SCI - continued)
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 2514 + 2511. Organic Chemistry I
CHEM 2524 + 2521. Organic Chemistry II
CSCI 100. Information and Intelligence
CSCI 111. Intro to Algorithmic Problem Solving
DATA 212W. Research Methods (formerly SOC 212W)
DATA 235. Data and Society
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 9. Environmental Issues
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 14 + 11. Conceptual Physics (EECE students, lec.+lab.)
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)

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

ANTH 354. Time

Additional College Option (Addit’l COPT)
- Pick another course in LPS;
- or a course in any one of the previous Flexible Core Categories: WCGI; USED; CE; IS; SW;
- or a course in one of the previous College Option Categories: LIT; LANG; SCI;
- or SYN.

*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.

For the most updated list of offered General Education courses visit: http://gened.qc.cuny.edu/course-lists/pathways-courses/