**2016-2017**

**Pathways Four-Year Plan:** [**Environmental Health Science (BS)**](https://www.york.cuny.edu/produce-and-print/contents/bulletin/school-of-arts-and-sciences/earth-and-physical-sciences/environmental-health-science-bs)

Department of Earth and Physical Science

School of Arts & Sciences | York College | CUNY

Academic Core 2F09 | 718-262-2654

The following is a **suggested** plan of study for completion of this degree program.

The goal of a Four-Year Plan is to ensure that students graduate with no more than 120 credits and in four years.

* All students should speak with an academic advisor about their academic programs.

**This document is not a substitute for academic advisement.**

* Students are encouraged to take Winter and Summer courses to facilitate their progress towards graduation.
* Transfer students do not need to take all courses in the plan; they should consult with an academic advisor.

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **FIRST YEAR - FALL** | **15** | **FIRST YEAR - SPRING** | **15** |
| English Composition (EC): ENG 125 | 3 | English Composition (EC): ENG 126 | 3 |
| Mathematical & Quantitative Reasoning (MQR): Math 119 + MATH 120 | 5 | MATH 121 | 4 |
| Life & Physical Science (LPS): BIO 201 | 4 | Scientific World (SW): CHEM 108 + CHEM 109 | 5 |
| EHS 140 | 3 | College Option: HE 111 | 3 |

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **SECOND YEAR - FALL** | **15** | **SECOND YEAR - SPRING** | **15** |
| Creative Expression (CE)‡ | 3 | World Culture & Global Issues (WCGI)‡ | 3 |
| Individual & Society (IS)‡ | 3 | Additional Flexible Core Course:BIO 202 (SW) | 4 |
| EHS 211 + EHS 212 | 4 | CHEM 230 | 3 |
| CHEM 111 + CHEM 112 | 5 | PHYS 113 + (PHYS 115 or PHYS 117) | 5 |

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **THIRD YEAR - FALL** | **15** | **THIRD YEAR - SPRING** | **16** |
| College Option: Foreign Language† | 3 | College Option: Foreign Language† | 3 |
| US Experience in its Diversity (USED)‡ | 3 | EHS 351 | 3 |
| BIO 265 | 3 | Writing Intensive (WI): EHS 420 WI | 4 |
| CHEM 237 | 3 | EHS 424 | 3 |
| EHS 340 | 3 | EHS Elective\* | 3 |

|  | Credit |  | Credit |
| --- | --- | --- | --- |
| **FOURTH YEAR - FALL** | **14** | **FOURTH YEAR - SPRING** | **15** |
| EHS 426 | 3 | College Option: Writing Intensive (WI) | 3 |
| EHS 427 | 3 | EHS 499 or 430 | 3 |
| EHS 498 | 3 | EHS 428 | 3 |
| EHS Elective\* | 3 | EHS 429 | 3 |
| Free Elective | 2 | EHS Elective\* | 3 |

* York students are required to complete (pass) three (3) Writing intensive (WI) courses: two (2) in the lower division (100-200 level) and one (1) in the upper division (300-level).
* If you transferred to York College with credit for General Education requirements, you must still complete one (1) WI course in the upper division within your major. If your major has no upper division WI course, you must take a WI course chosen in consultation with your major advisor.
* B.S. students must complete 60 credits of liberal arts – See Bulletin.
* Students are strongly encouraged to select a Minor program of study, in consultation with an academic advisor, especially those planning to attend graduate school. Minor courses would replace the “free electives” in the Four-Year Plan.

†Foreign language courses are determined through placement by the Foreign Language Department, AC-3C08

‡The Earth and Physical Science Department recommends students take Writing-Intensive (WI) courses within the Flexible Core requirements. If not WI, two additional WI courses must be taken in place of free electives before graduation.

**Notes for Environmental Health Science Major Requirements**

NOTE: Environmental Health Science majors must take Chemistry 108, 109, 111,112, Biology 201, 202.

NOTE: MATH 119/120 are prerequisites to MATH 121; CHEM 230 is a prerequisite to CHEM 237.

**\*Environmental Health Science Electives**

**Choose 9 credits from the following:**

| **Course** | **Title** | **Credit** | **Prerequisite** |
| --- | --- | --- | --- |
|  |  | **9** |  |
| EHS343 | Environmental Physiology  | 3 | EHS211, EHS212 |
| [EHS425](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/EHS/EHS425) | Disease Vector Control  | 3 | EHS211, EHS212 |
| [EHS431](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/EHS/EHS431) | Contaminant Hydrology  | 4.5 | EHS211 & EHS212 & Math121; or Dept. perm. req. / Coreq: EHS211 & EHS212 & Math121; or Dept. perm. req. |
| [EHS432](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/EHS/EHS432) | Application of GIS in Environmental Health Science  | 4 | EHS211 & EHS212 & Math121; or Dept. perm. req. / Coreq: EHS211 & EHS212 & Math121; or Dept. perm. req. |
| [EHS433](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/EHS/EHS433) | Environmental Health and Safety Regulations  | 3 | EHS211 & EHS212 & Math121; or Dept. perm. req. / Coreq: EHS211 & EHS212 & Math121; or Dept. perm. req. |
| [BIO307](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/EHS/EHS307) | Biostatistics  | 3 | Completion of instrumental Math Req. / Coreq: BIO201 |
| [HPGC201](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/HPGC/HPGC201) | Principles of Epidemiology  | 3 | HPGC102 or BIO201 or Sophomore status in Health Education or a Health Professions major |
| [CHEM241](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/CHEM/CHEM241) | Instrumental Methods  | 3 | CHEM232 or CHEM235 |
| [GEOL349](https://www.york.cuny.edu/produce-and-print/contents/bulletin/listing-of-courses/listing-of-courses-by-department/GEOL/GEOL349) | Assessment  of Environmental Impact | 1 | GEOL110 or GEOL140 |