**2013-2014**

**Pathways Four-Year Plan: B.S. in Physics**

**Department of Earth and Physical Sciences**

**School of Arts and Sciences**

**The goal of a Fou- 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.
* 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** | **SPRING** | **15** |
| Physics 151\* | 5 | Physics 152\* | 5 |
| Mathematics 121\*\* | 4 | Mathematics 122  | 4 |
| US Experience in its Diversity+ | 3 | World Cultures & Global Issues+ | 3 |
| English 125+ | 3 | English 126+ | 3 |
| **SOPHOMORE- FALL** | **15** | **SPRING** | **14** |
| Physics 241 | 3 | Physics 211 | 3 |
| Mathematics 221 | 4 | Writing Intensive course++ | 3 |
| Creative Expression+ | 3 | Individual & Society+ | 3 |
| Chemistry 101 | 5 | Chemistry 102 | 5 |
| **JUNIOR- FALL** | **15** | **SPRING** | **15** |
| Physics 351 | 3 | Physics 383 | 3 |
| Mathematics 223 | 3 | Physics 321 | 3 |
| Open Elective+++ | 3 | Open Elective+++ | 3 |
| Open Elective+++ | 3 | Open Elective+++ | 3 |
| Open Elective+++ | 3 | Open Elective+++ | 3 |
| **SENIOR- FALL** | **16** | **SPRING** | **15** |
| Physics 431 | 3 | Physics 441 | 3 |
| Mathematics 333 | 4 | Physics/Astronomy Elective\*\*\* | 3 |
| Physics/Astronomy Elective\*\*\* | 3 | Open Elective+++ | 3 |
| Open Elective+++ | 3 | Open Elective+++ | 3 |
| Open Elective+++ | 3 | Open Elective+++ | 3 |

**Students who start at York are required to take three Writing Intensive (WI) courses: two in the lower division (100-200 level) and one in the upper division (300-400 level). Transfer students should consult with an advisor about their WI requirements.**

**york.cuny.edu/pathways**

**Total credits needed to graduate 120**

**Notes**

\*Phys 151 & 152 satisfy the Life & Physical Sciences and Scientific World areas of Pathways, respectively.

\*\* MA 121 requires MA 119 and MA 120 or placement by the Math department after testing. MA 121 satisfies the Math & Quantitative Reasoning area of Pathways.

\*\*\* Majors may choose from any Physics or Astronomy 400 level course to fulfill their elective credit. Courses include the following:

Phys 412, 422, 442, 461, 491, 492, 493, 495, 496

Astr 495, 496

+ The noted Pathways area courses are not required to be taken in the order shown here. Eng 125 & 126 together satisfy the English Composition area of Pathways.

++ Any writing intensive course, in addition to one taken in an upper level major course (e.g., Phys 383), satisfies this requirement.

+++ Open electives are opportunities for students to complete coursework towards a minor (such as Mathematics or Astronomy, recommended for Physics majors) or other professional or personal interests. Students will take at least 9 liberal arts credits.

**B.S. students must complete 60 credits in liberal arts – see Bulletin.**

**For More Information:**

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