2015-2016 Pathways Track

Pre-Engineering (Special Program)

Department of Earth and Physical Science
School of Arts & Sciences
Academic Core 2F09 | 718-262-2654

The following is a **suggested** plan of study for completion of this degree program.
The goal of a Track is to ensure that students who completed an Associate's Degree (AA or AS) graduate with no more than 120 credits and in two 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.

	Credits		Credits
FIRST YEAR - FALL	**15**	**FIRST YEAR - SPRING**	**15**
English Composition (EC): ENGL 125	3	English Composition (EC): ENGL 126	3
Mathematical & Quantitative Reasoning (MQR): MATH 121	4	MATH 122	4
Life & Physical Science (LPS): PHSY 113 + 117	5	Scientific World (SW): PHYS 114 + PHYS 118	5
US Experience in its Diversity (USED)	3	World Culture & Global Issues (WCGI)	3
SECOND YEAR - FALL	**15-16**	**SECOND YEAR - SPRING**	**14**
Creative Expression (CE)	3	Individual & Society (IS)	3
Additional Flexible Core Course: CHEM 108 + CHEM 109 (SW)	5	Writing Intensive (WI)	3
MATH 221	4	MATH 223 or 333	3/4
Elective Course*	3/4	CS 172	4

*Optional courses and Electives should be chosen from available courses in Physics, Geology, Mathematics, Chemistry, or Biology in consultation with the Pre-Engineering Advisor to satisfy requirements of the desired engineering program at the Transfer College (e.g. PHYS 241, PHYS 211; GEO 140; BIO 202).

In the planning of the Pre-Engineering program sequences, the following guidelines must be observed:

a. Skill courses (such as, accounting, statistics, photography, drawing, musical instruments technique, non-literature language courses) will not be transferable.
b. Students may not enroll on a pass/fail basis.
c. CCNY does not accept elementary foreign language courses.
    1. Not required for chemical and electrical engineering.
    2. Not required for mechanical and electrical engineering.
    3. Required only for electrical engineering.
    4. Required for chemical engineering; optional for others.
    5. Required only for civil engineering.
    6. Electrical engineers require a linear algebra course containing boolean algebra.