*Science (A.S. Degree) **

Physics Option

FALL 2023-SPRING 2024

Footnotes:

[1]Students with English Proficiency Index (EPI) of 0-49 enroll in corequisite course ENG 100. Students with EPI of 50-64 enroll in corequisite course ENG 110. Students with EPI of at least 65 (or other English proficiency qualification) enroll in ENG 111. Students with ESL need should take appropriate ESL course(s) (Sequence: ESL 01->02->03->09) before enrolling in ENG 110.

[2]Students are eligible to enroll in MTH 28 if they have successfully completed an elementary algebra math intervention at a CUNY college (e.g., Math Proficiency Workshop, CUNY Start Math, Math Start, or MTH 5), or if they are CUNY Math proficient AND have the appropriate math background in high school. See the Mathematics Course Placement page in the College Catalog.

[3]Students not eligible for MTH 28 or higher courses enroll in corequisite course MTH 28.5. However, note that students with Math Proficiency Index of 39 or lower are strongly encouraged to enroll in Math Start/CUNY Start.

[4]This program has received a waiver to require students to complete specific STEM/STEM Variant courses in Required Area B, Required Area C and Flexible Area E. If students transferring into this program complete different courses in these areas, they will be certified as having completed the Common Core requirements, but it may not be possible for them to finish their degree within the regular number (60) of credits.

[5]Students who place out of MTH 28 and/or MTH 30 will take elective course(s) to complete 60 total degree credits.

[6]See Degree map at: http://www.bcc.cuny.edu/academics/academic-advising/degree-maps/ for semester-by-semester sequence.

[7]Students transferring into the program with 24 or more degree or equated credits will be exempt from FYS 11 and can take 1 credit of elective to satisfy this requirement.

[8]See your department advisor for the appropriate sequence of specialization courses.

***Note:**
In order to apply for graduation, students must complete all required courses with appropriate grades, complete two writing intensive courses, and have a minimum GPA of 2.0.

REQUIRED COMMOM CORE

☐ A ☐ A	**English Composition I[1] & II** ENG 100[1] **OR** ENG 110[1] **OR** ENG 111[1]; **AND** ENG 112 **OR** ENG 113 **OR** ENG 114 **OR** ENG 115 **OR** ENG 116	6
☐ B	**Mathematical and Quantitative Reasoning[2,3,4]** MTH 28[2,3,4] College Algebra and Elementary Trigonometry **OR** MTH 28.5[3] **(Corequisite)**	3
☐ C	**Life and Physical Sciences[4]** CHM 11 General Chemistry I	4
	Subtotal:	**13**

FLEXIBLE COMMON CORE

Students can complete no more than two courses from any one discipline or interdisciplinary field.	
☐ **A World Cultures and Global Issues**	3
☐ **B US Experience in its Diversity**	3
☐ **C Creative Expression**	3
☐ **D Individual and Society**	3
☐ **E Scientific World[4]** CHM 12 General Chemistry II **AND** MTH 30[5] Pre-Calculus Mathematics	8
Subtotal:	**20**

MAJOR REQUIREMENTS[6]

☐ MTH 31	Analytic Geometry & Calculus I[4]	4
☐ MTH 32	Analytic Geometry & Calculus II	4
☐ ELECTIVES[5]	Free Electives[5]	2-9
☐ FYS 11[7]	First Year Seminar[7]	1
Physics Option Requirements[8]		
☐ PHY 31	Physics I	4
☐ PHY 32	Physics II	4
☐ PHY 33	Physics III	4
☐ MTH 33	Analytical Geometry and Calculus III	4
	Subtotal:	**27**
	TOTAL:	**60**