PATHWAYS
Liberal Arts & Sciences (A.S. Degree)
Physics Option
FALL 2017-SPRING 2018

REQUIRED COMMON CORE

☐ A	**English Composition** ENG 110 **OR** ENG 111; **AND** ENG 112 **OR** ENG 113 **OR** ENG 114 **OR** ENG 115 **OR** ENG 116		6
☐ B	**Mathematical and Quantitative Reasoning** MTH 30 Pre-Calculus Mathematics[1] **OR** MTH 31 Analytic Geometry & Calculus I		4
☐ C	**Life and Physical Sciences** CHM 11 General Chemistry I[1]		4
		Subtotal:	14

REMEDIAL SEQUENCE (if required)

☐ ESL 1 (8) ▸▸	☐ ESL 2 (6) ▸▸	☐ ESL 3 (6) ▸▸	☐ ENG 9 (4)

☐ ENG 1 (4) ▸▸	☐ ENG 2 (4)

☐ RDL 1 (4) ▸▸	☐ RDL 2 (6)

☐ MTH 1 (4) ▸▸	☐ MTH 5 (6) ▸▸	☐ MTH 6 (6)

☐ CHM 2 (4)

FLEXIBLE COMMON CORE (Course list at: http://www.bcc.cuny.edu/pathways/?p=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 CHM 12 General Chemistry II[1]		4
☐ Select an additional course from Flexible Core A-E		3
	Subtotal:	19

GRADUATION REQUIREMENTS

☐ CAT-R	☐ CAT-W	☐ CAT-M	☐ GPA ≥ 2.0

☐ Writing Intensive 1	☐ Writing Intensive 2

FRESHMAN SEMINAR

☐ FYS 11

MAJOR REQUIREMENTS

☐ MTH 31	Analytic Geometry & Calculus I[2]	0-4
☐ MTH 32	Analytic Geometry & Calculus II	5
☐ ELECTIVES	Free Electives[2]	1-5
Physics Option Requirements[3]		
☐ PHY 31	Physics I	4
☐ PHY 32	Physics II	4
☐ PHY 33	Physics III	4
☐ MTH 33	Analytical Geometry and Calculus III	5
	Subtotal:	27
	TOTAL:	60

[1] This program has obtained a waiver to require STEM variant courses in Required Core Area B and Area C and Flexible Core 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.

[2] For students who take MTH 30 to fulfill the Required Core, no free electives remain.

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

Note: Students are encouraged to begin Transfer Planning early in their Academic careers. Please visit the Transfer Planning web site for the timeline as well as the information on Articulation and transfer: http://www.bcc.cuny.edu/TransferCounseling/