PATHWAYS

ESL 1 (8) >>

□ ENG 1 (4) ▶

□ RDL 1 (4) ▶

MTH 1 (4) ▶ CHM 2 (4)

Computer Science (A.S. Degree)

ESL 2 (6) >>

ENG 2 (4)

RDL 2 (6)

Fall 2017

REMEDIAL SEQUENCE (if required)

SEMESTER I

ENG 10 OR ENG 11	Fundamentals of Composition and Rhetoric OR Composition and Rhetoric I	3
CSI 30	Discrete Mathematics I (Flex E)	3
🔲 MTH 31	Analytic Geometry & Calculus I ¹ (pre-req MTH 30)	4
BIO 11 OR CHM 11 OR PHY 11 OR PHY 31	Lab Science I ²	4
	Subtotal: (hours) credits	14

RECOMMENDED 2 YEAR ACADEMIC PLAN FOR FULL-TIME STUDENTS

SEMESTER II

CSI 31

MTH 32

ENG 12 OR ENG 14 OR

GRADUATION REQUIREMENTS

CAT-R	CAT-W	CAT-M	GPA > 2.0
Writing Intensive I		Writing Intensiv	e II

MTH 5 (6) MTH 6 (6)

ESL 3 (6) >>

PATHWAYS REQUIRED CORE (course list available online)

Δ Α	English Composition – ENG 10/11 and ENG 12/14/15/16	6
🗆 B	Mathematical and Quantitative Reasoning – MTH 30/31	4

PATHWAYS FLEXIBLE CORE (course list available online)

		· /	
Δ Α	World Cultures and Global Issues		3
🗆 B	US Experience in its	Diversity	3
	Creative Expression		3
D	Individual and Society		3
PATHWAYS Science Selection			
Required Core C Life and Physical Sci Lab Science I		4	
Flexible Core E Scientific World - Lab Science II		4	
		Pathways Total:	30

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ENG 9 (4)

¹ MTH 30 (Pre-Calculus) is a pre-requisite for MTH 31. Students who do not place out of MTH 30 should take it as soon as possible; this will use 4 Free Elective credits. Students who need MTH 30 should note that PHY 31 has a co-requisite of MTH 31.

² Lab Science I & II must form a sequence, e.g., BIO 11 & BIO 12. PHY 31 and PHY 32 have co-requisites of MTH 31 and MTH 32 respectively.

Notes:

This program has been given a waiver to require its students to take MTH 31 to fulfill Required Area B; BIO 11 or CHM 11 or PHY 11 or PHY 31 to fulfill Required Area C; and BIO 12 or CHM 12 or PHY 12 or PHY 32 to fulfill Flexible Area E. If students transferring into this program complete different course 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. 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 information on articulation and transfer: http://www.bcc.cuny.edu/TransferCounseling/

SEMESTER III

SEMESTER III			
CSI 32	Intro to Computer Programming II	3	
MTH 33	Analytic Geometry & Calculus III	5	
	Select one course from Flexible Core A/B/C/D	3	
	Select one course from Flexible Core A/B/C/D (new category)	3	
	Subtotal: (hours) credits	14	

SEMESTER IV

CSI 33	Data Structures	3
CSI 35	Discrete Mathematics II	3
XXX	Select one course from Flexible Core A/B/C/D (new category)	3
XXX	Select one course from Flexible Core A/B/C/D (new category)	3
XXX	Free Electives ¹ (to bring total to 60 credits)	1/5
	Subtotal: (hours) credits	13/17
	TOTAL CREDITS:	60

Computer Science and Mathematics must be taken each semester or graduation will be delayed.



Composition and Rhetoric II OR Written Composition and Prose Fiction OR



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