

RECOMMENDED 2 YEAR ACADEMIC PLAN

Computer Science (A.S. Degree)

REMEDIAL SEQUENCE (if required)

<input type="checkbox"/> ESL 1 (8) ▶▶	<input type="checkbox"/> ESL 2 (6) ▶▶	<input type="checkbox"/> ESL 3 (6) ▶▶	<input type="checkbox"/> ENG 9 (4)
<input type="checkbox"/> ENG 1 (4) ▶▶	<input type="checkbox"/> ENG 2 (4)		
<input type="checkbox"/> RDL 1 (4) ▶▶	<input type="checkbox"/> RDL 2 (6)		
<input type="checkbox"/> MTH 1 (4) ▶▶	<input type="checkbox"/> MTH 5 (6) ▶▶	<input type="checkbox"/> MTH 6 (6)	
<input type="checkbox"/> CHM 2 (4)			

GRADUATION REQUIREMENTS

<input type="checkbox"/> CAT-R	<input type="checkbox"/> CAT-W	<input type="checkbox"/> CAT-M	<input type="checkbox"/> GPA > 2.0
<input type="checkbox"/> Writing Intensive I		<input type="checkbox"/> Writing Intensive II	

PATHWAYS REQUIRED CORE (course list available online)

<input type="checkbox"/> A	English Composition – ENG 110/111 and ENG 112/113/114/115/116	6
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning – MTH 31	4

PATHWAYS FLEXIBLE CORE (course list available online)

<input type="checkbox"/> A	World Cultures and Global Issues	3
<input type="checkbox"/> B	US Experience in its Diversity	3
<input type="checkbox"/> C	Creative Expression	3
<input type="checkbox"/> D	Individual and Society	3

PATHWAYS Science Selection

<input type="checkbox"/> Required Core C	Life and Physical Sci. - SCIENCE I	4
<input type="checkbox"/> Flexible Core E	Scientific World &- SCIENCE II	7

Pathways Total: 33

¹ MTH 30 (Pre-Calculus) is a pre-requisite for MTH 31. Students requiring MTH 30 must use (4) free elective credits for this purpose.

² Students must complete four Flexible Core courses, one from each of the Flexible Core areas A, B, C, & D.

³ 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.

³ 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 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.

³ CSI 35 is a pre-requisite for CSI 33.

³ Computer Science and Mathematics must be taken each semester or graduation will be delayed.

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 I

		Credits
<input type="checkbox"/> ENG 110 OR ENG 111	Fundamentals of Composition and Rhetoric OR Composition and Rhetoric I (Required Core A)	3
<input type="checkbox"/> CSI 30	Discrete Mathematics I (Flexible Core E)	3
<input type="checkbox"/> MTH 31 ¹	Analytic Geometry & Calculus I (Required Core B)	4
<input type="checkbox"/> Flexible Core A-D ²	Select one course from Flexible Core A-D ²	3
<input type="checkbox"/> Flexible Core A-D ²	Select one course from Flexible Core A-D ²	3
Subtotal: (hours) credits		16

SEMESTER II

<input type="checkbox"/> ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	Composition and Rhetoric II OR Writing About Literature OR Written Composition and Prose Fiction OR Written Composition and Drama OR Written Composition and Poetry (Required Core A)	3
<input type="checkbox"/> CSI 31	Intro to Computer Programming I (Major Requirement)	3
<input type="checkbox"/> MTH 32	Analytic Geometry & Calculus II (Major Requirement)	5
<input type="checkbox"/> BIO 11 OR CHM 11 OR PHY 11 OR PHY 31 ³	SCIENCE I (Required Core C)	4
Subtotal: (hours) credits		15

SEMESTER III

<input type="checkbox"/> CSI 32	Intro to Computer Programming II (Major Requirement)	3
<input type="checkbox"/> MTH 33	Analytic Geometry & Calculus III (Major Requirement)	5
<input type="checkbox"/> CSI 35	Discrete Mathematics II (Major Requirement)	3
<input type="checkbox"/> BIO 12 OR CHM 12 OR PHY 12 OR PHY 32 ³	SCIENCE II (Flexible Core E)	4
Subtotal: (hours) credits		15

SEMESTER IV

<input type="checkbox"/> CSI 33 ⁴	Data Structures (Major Requirement)	3
<input type="checkbox"/> Flexible Core A-D ²	Select one course from Flexible Core A-D ²	3
<input type="checkbox"/> Flexible Core A-D ²	Select one course from Flexible Core A-D ²	3
<input type="checkbox"/> Free Elective ¹	Free Elective to complete 60 credits.	5
Subtotal: (hours) credits		14

TOTAL CREDITS: 60