

Computer Information Systems (A.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)
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<input type="checkbox"/> ENG 11 (4) ▶▶	<input type="checkbox"/> ENG 2 (4)
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<input type="checkbox"/> RDL 1 ¹ (4) ▶▶	<input type="checkbox"/> RDL 2 (6)
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<input type="checkbox"/> MTH 1 (4) ▶▶	<input type="checkbox"/> MTH 5 ⁵ (6)
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<input type="checkbox"/> CHM 2 (4)

GRADUATION REQUIREMENTS

<input type="checkbox"/> GPA ≥ 2.0	<input type="checkbox"/> Writing Intensive 1	<input type="checkbox"/> Writing Intensive 2
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FRESHMAN SEMINAR

<input type="checkbox"/> FYS 11 ³	1
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PATHWAYS REQUIRED CORE (course list available online)

<input type="checkbox"/> <input type="checkbox"/> A	English Composition ENG 110/111 AND ENG 112/113/114/115/116	6
<input type="checkbox"/> B ⁵	Mathematical and Quantitative Reasoning MTH 21/23	3
<input type="checkbox"/> C ⁷	Life and Physical Sciences AST 111 + 101, BIO 11, CHM 11, CHM 17, ENV 11, ESE 11, ESE 12, ESE 13, PHY 110 OR PHY 11	4

PATHWAYS FLEXIBLE CORE (course list available online)

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10 OR HIS 11 ⁶	3
<input type="checkbox"/> B	US Experience In Its Diversity ECO 12 OR	3
<input type="checkbox"/> D	Individual and Society ECO 11	
<input type="checkbox"/> A-E ⁹	Select an additional course from Flexible Core A through E ⁹	3

Pathways Total: 21-22

¹Students with prior ENG 1/RDL 1 placements (or English Proficiency Index < 50) will now take ENG 4 or RDL 4. Passing ENG 4 or RDL 4 will allow them to register for ENG 110.

²Students who have completed MTH 06 (or three years high school mathematics) and intend to transfer to a four-year college may take BUS 41 instead of BUS 111.

³Students must take FYS 11 prior to earning 24 degree or equated credits. Students who have earned 24 or more degree or equated credits are permitted to use the one credit as a free elective. It is highly recommended that students take FYS 11 in their first or second semester. This requirement will be waived for students who have earned 24 or more degree or equated credits at BCC or another college and transfer into this program.

⁴Students must take BUS 110, as BUS 10 is no longer offered.

⁵Students planning to transfer to a four-year college should take MTH 30 or 31. The prerequisite for MTH 30 is MTH 6. Students with prior MTH 5 placement (or Math Proficiency Index of 40 to 59) may now take MTH 20. Passing MTH 20 is equivalent to MTH 23.

⁶Reserved for students who have English remedial need and enroll in ENG 2, RDL 2, or ENG 110 as a corequisite.

⁷Students may select either a 4-credit or a 3-credit science course. Students selecting a 3 credit course must also complete an additional 1-credit lab course to fulfill graduation requirements.

⁸CWE 31 is a two (2) credit course. Students should enroll in CWE 31 one year before graduating or when they have completed 30 credits towards their degree. Students should see the CWE 31 Coordinator in the Department of Business and Information Systems, during their second semester. Students who are employed full-time are not required to complete the internship portion of CWE 31, provided their employer agrees to participate in course-related surveys. Permission must be obtained from the CWE 31 Coordinator or Department Chairperson by submitting documentation of current full-time employment. College. Work-Study assignments within CUNY may not be used as substitutes for the CWE internship.

⁹In an effort to provide students with a well-rounded liberal learning experience, students are encouraged to fulfill this requirement by selecting courses from Flexible Core Areas B, C or E as these areas are not already required by this program.

¹⁰Students transferring into the program with 24 or more degree or equated credits will be exempt from FYS 11 and only required to complete 60 credits to graduate

RECOMMENDED 2-YEAR ACADEMIC PLAN

SEMESTER I Freshman

		Credits
<input type="checkbox"/> ENG 110 ¹ OR ENG 111	Fundamentals of Composition and Rhetoric ¹ OR Composition and Rhetoric I (Required Core A)	3
<input type="checkbox"/> BUS 111 ²	Applications of Mathematics for Business ²	3
<input type="checkbox"/> ECO 11 OR ECO 12	Microeconomics (Flexible Core D) OR Macroeconomics (Flexible Core B)	3
<input type="checkbox"/> DAT 30	Introduction to Computer Fundamentals and Programming	3
<input type="checkbox"/> KEY 10	Keyboarding for Computers	1
<input type="checkbox"/> DAT 33	Microcomputer Applications	2
<input type="checkbox"/> FYS 11 ³	First Year Seminar ³	0-1
Subtotal:		15-16

SEMESTER II Freshman

<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"/> BUS 10 ⁴ OR BUS 110	Introduction to Business ⁴ OR Introduction to Business Fundamentals	3
<input type="checkbox"/> MTH 21 OR MTH 23 ⁵	Survey of Mathematics OR Probability and Quantitative Reasoning ⁵ (Required Core B)	3
<input type="checkbox"/> BIS 13	Web Development	3
<input type="checkbox"/> DAT 47	JAVA Programming	3
Subtotal:		15

SEMESTER III Sophomore

<input type="checkbox"/> HIS 10 OR HIS 11 ⁶	History of the Modern World OR Introduction to the Modern World ⁶	3
<input type="checkbox"/> ACC 111	Principles of Accounting I	4
<input type="checkbox"/> Life and Physical Sciences ⁷	AST 111, BIO 11, CHM 110, CHM 17, ENV 11, ESE 11, ESE 12, ESE 13, PHY 110 OR PHY 11 (Required Core C)	3-4
<input type="checkbox"/> LAB ⁷	Lab Science Course ⁷	0-1
<input type="checkbox"/> CWE 31 ⁸	Cooperative Work Experience ⁸	2
<input type="checkbox"/> BIS 23	Client-Side Programming	3
Subtotal:		16

SEMESTER IV Sophomore

<input type="checkbox"/> DAT 49	Linux Operating System	3
<input type="checkbox"/> DAT 51	Web Programming with Python	3
<input type="checkbox"/> BIS 31	Server-Side Programming	3
<input type="checkbox"/> COMM 12	Voice and Diction: Business and Professional Speech	2
<input type="checkbox"/> Flexible. Core A-E ⁹	Select ONE course from any Flex. Core A-E ⁹	3
Subtotal:		14

TOTAL¹⁰: 60-61