PATHWAYS
Computer Information Systems (A.A.S. Degree)
Computer Programming Option
FALL 2015-SPRING 2016

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)

☐ CHM 2 (4)

GRADUATION REQUIREMENTS

☐ CAT-R	☐ CAT-W	☐ CAT-M	☐ GPA ≥ 2.0

☐ Writing Intensive 1	☐ Writing Intensive 2

FRESHMEN SEMINAR

☐ FYS 11 / OCD 1

[1] Students planning to transfer to a four-year college should take MTH 30 or 31. The prerequisite for MTH 30 is MTH 6.

[2] Students 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.

[3] In 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.

[4] Students 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.

[5] CWE 31 is a two (2) credit course. A student should enroll in CWE one year before graduating or when starting the third semester. See the CWE advisor in Loew Hall, Career Services, during the second semester. Students who are employed full-time are not required to complete CWE. A waiver must be obtained from the Department Chairperson by submitting documentation of current full-time employment. After a written waiver of CWE is obtained, the student must substitute the required CWE credits with any course(s) offered by the Business and Information Systems Department. College Work-Study assignments within CUNY may not be used as substitutes for the CWE internship.

REQUIRED COMMON CORE

☐ A	English Composition ENG 10 OR ENG 11; AND ENG 12 OR ENG 14 OR ENG 15 OR ENG 16	6
☐ B	Mathematical and Quantitative Reasoning[1] MTH 21 Survey of Mathematics I OR MTH 23 Probability and Statistics	3
☐ C	Life and Physical Sciences[2] AST 111, BIO 11, CHM 111, CHM 17, ENV 11 ESE 11, ESE 12, ESE 13, PHY 110 or PHY 11	3-4
	Subtotal:	12-13

FLEXIBLE COMMON CORE (Course list at: http://www.bcc.cuny.edu/pathways/?p=Flexible-Common-Core)

☐ A World Cultures and Global Issues HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World	3
☐ B - ECO 12 Macroeconomics OR ☐ D - ECO 11 Microeconomics	3
☐ Select an additional course from Flexible Core A-E[3]	3
Subtotal:	9

SPECIALIZATION REQUIREMENTS

☐ ACC 111	Principles of Accounting I	4
☐ BIS 13	Introduction to Internet and Web Development	3
☐ BUS 10	Introduction to Business	3
☐ BUS 111	Applications of Mathematics for Business[4]	3
☐ COMM 12	Voice and Diction: Business and Professional Speech	2
☐ DAT 30	Introduction to Computer Fundamentals and Programming	3
☐ DAT 33	Microcomputer Applications	2
☐ DAT 35	BASIC Language Programming	3
☐ KEY 10	Keyboarding for Computers	1
☐ CWE 31	Cooperative Work Experience[5]	2
☐ LAB	Lab science credit[2]	0-1
	Subtotal:	26-27

COMPUTER PROGRAMMING OPTION:

☐ DAT 38	Database Management Applications	3
☐ DAT 47	JAVA Programming	3
☐ DAT 48	Advanced JAVA Programming	3
☐ DAT 49	UNIX Fundamentals	3
	Subtotal:	12
	TOTAL:	60

BRONX COMMUNITY COLLEGE