PATHWAYS
Computer Information Systems (A.A.S. Degree)
Web Page Development Option
FALL 2016-SPRING 2017

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)

GURADUATION REQUIREMENTS

☐ CAT-R
☐ CAT-W
☐ CAT-M
☐ GPA ≥ 2.0

REQUIRED FRESHMEN SEMINAR

☐ FYS 11

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. 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.
6 Students 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.
7 Students transferring into the program with 24 or more degree or equated credits will be required to complete only 60 credits to graduate.

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
  - MTH 21 Survey of Mathematics I OR MTH 23 Probability and Statistics
  - 3

☐ C Life and Physical Sciences
  - AST 111, BIO 110, 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
  - 3

☐ D - ECO 11 Microeconomics
  - 3

☐ Select an additional course from Flexible Core A-E
  - 3

Subtotal: 9

MAJOR 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
  - 3

☐ COMM 12 Voice and Diction: Business and Professional Speech
  - 2

☐ CWE 31 Cooperative Work Experience
  - 2

☐ DAT 30 Introduction to Computer Fundamentals and Programming
  - 3

☐ DAT 33 Microcomputer Applications
  - 2

☐ DAT 35 BASIC Language Programming
  - 3

☐ FYS 11 First Year Seminar
  - 0-1

☐ KEY 10 Keyboarding for Computers
  - 1

☐ LAB Lab science credit
  - 0-1

Web Page Development Option Requirements:

☐ BIS 12 Multimedia Theory and Applications for Business
  - 3

☐ BIS 23 Advanced Web Page Design and Development
  - 3

☐ BIS 31 E-Commerce
  - 3

☐ DAT 38 Database Management Applications
  - 3

Subtotal: 39-40

TOTAL: 60-61

This document is for advisement purposes only and does not represent an official listing of degree requirements; please consult the college catalog as well as DegreeMarks via the CUNY Portal.
(Reviewed/Revised 7/26/16)