Programming & Systems   AAS Degree

Pathways Common Core: 21 credits

A. Required Core: 12 credits

English: 6 credits
ENG101 English Composition I   3
(ENA101 or ENC101 depending on placement scores)
ENG102 Writing through Literature   3

Mathematical and Quantitative Reasoning: 3 credits
MAT115 College Algebra and Trigonometry (STEM)   3

Life and Physical Sciences: 3 credits
Select one of the following courses:
SCB101 Topics in Biological Sciences   3
SCC101 Topics in Chemistry   3
SCP101 Topics in Physics   3
SCP140 Topics in Astronomy   3

B. Flexible Core*
Students are to select three courses from the five Flexible Core categories. Only one course can be selected from any one category.
Courses selected from three different disciplines.
World Cultures and Global Issues
US Experience in its Diversity
Creative Expression
Individual and Society
Scientific World

*Additional Common Core courses will be required when transferring to a CUNY College.

To complete the degree requirements from the Flexible Core, students are advised to select courses from the recommended course selections listed in the program handbook.

Program Core: 39 credits

Counseling
New Student Seminar

Business and Technology: 7 credits
BTA111 Principles of Accounting I   4
BTM101 Introduction to Business   3

MEC: 4 credits
MAT200 PreCalculus   4

Computer Science: 28 credits

MAC101 Introduction to Computer Science	3
MAC109 Introduction to Visual Programming	3
MAC110 Systems Analysis and Design	3
MAC125 Advanced C/C++ Programming	3
MAC230 Comparative Operating Systems	3
MAC250 Database Concepts and Programming	3
MAC260 Introduction to Teleprocessing Operations	3

Select two of the following courses:

MAC232 UNIX Network Operating Systems	3
MAC233 Windows Network Operating System	3
MAC252 Advanced UNIX	3
MAC253 Advanced Windows	3
MAC265 Computer Hardware Interfacing and Programming	3
MAC293 Computer Repair and Network Maintenance	4

Total: 60 credits