

Computer Information Systems– A.S. Degree Program Requirements (effective Fall 2023)

Common Core Requirement	Credits
REQUIRED CORE 1A: English Composition ENGL-101 English Composition I ENGL-102 English Composition II	3 3
REQUIRED CORE 1B: Mathematics and Quantitative Reasoning ¹ MA-114 College Algebra and Trigonometry for Technical Students or MA-119 ² College Algebra	3-4
REQUIRED CORE 1C: Life & Physical Sciences (select from 1C ³)	3-4
FLEXIBLE CORE 2A: World Cultures & Global Issues (select from 2A)	3
FLEXIBLE CORE 2B: U.S. Experience in Its Diversity (select from 2B)	3
FLEXIBLE CORE 2C: Creative Expression (select from 2C)	3
FLEXIBLE CORE 2D: Individual & Society ECON-101 Introduction to Macroeconomics or ECON-102 Introduction to Microeconomics	3
FLEXIBLE CORE 2E: Scientific World CIS-102 Computer Programming Fundamentals for Business	3
FLEXIBLE CORE 2A, 2B, 2C, 2D or 2E: ¹ MA-128 Calculus for Technical and Business Students or MA-440 Pre-Calculus Mathematics	4
Subtotal	31-33⁴
Major Requirements – Program Core	
BU-101 Principles of Accounting I	4
BU-201 Business Organization and Management	3
CIS-101 Introduction to Computing and Information Systems	3
CIS-152 Computer Programming for Business I	3
CIS-153 Microcomputer Operating Systems and Utility Software	3
CIS-201 Local Area Network Management	3
CIS-208 Database Management Systems	3
Subtotal	22
Major Requirements – Major Electives	
<i>Choose 5 credits from:</i>	
BU-203 Principles of Statistics	3
CIS-202 Computer Programming for Business II	3
CIS-203 Object-Oriented Programming for Business	3
CIS 204 Web Design	3
CIS 206 Spreadsheets Business Applications	3
CIS 251 Analysis and Design of Systems Projects	3
CIS-252 Application Development for Mobile Devices	3
CIS 254 Data Security for Business	3
Subtotal	5
Major Requirements – Additional Requirements	
MA-121 Elementary Trigonometry ²	0-1
Laboratory Science ⁵ BI-132, BI-171, CH-102, CH-111, CH-121, ET-842 or PH-112	0-1
Subtotal	0-2
Total	60

Notes:

1. Students who place into MA-440 will use that course for Required Core 1B and take an additional course in the flexible core to satisfy the CUNY pathways common core requirement.
2. MA-121 is required for students who take MA-119.
3. Laboratory science elective required for students who do not take STEM Variant in Required Core 1C.
4. The credit range accounts for Math credit variation in 1B and STEM variant in 1C.
5. The laboratory science elective is not required for students who take a 4 credit STEM Variant course in Required Core 1C.

All students must successfully complete two (2) writing-intensive classes (designated "WI") to fulfill degree requirements.