KINGSBOROUGH COMMUNITY COLLEGE The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department:	Date:
Title Of Course/Degree/Concentration/Cert	ificate:
Change(s) Initiated: (Please check)	
☐ Closing of Degree	☐ Change in Degree or Certificate
☐ Closing of Certificate	☐ Change in Degree: Adding Concentration
New Certificate Proposal	☐ Change in Degree: Deleting Concentration
☐ New Degree Proposal	☐ Change in Prerequisite, Corequisite, and/or Pre/Co-requisite
☐ New Course	☐ Change in Course Designation
☐ New 82 Course (Pilot Course)	☐ Change in Course Description
☐ Deletion of Course(s)	☐ Change in Course Title, Number, Credits and/or Hours
	☐ Change in Academic Policy
	Pathways Submission:
	☐ Life and Physical Science
	☐ Math and Quantitative Reasoning
	A. World Cultures and Global Issues
	B. U.S. Experience in its Diversity
	C. Creative Expression
	D. Individual and Society
	☐ E. Scientific World
☐ Change in Program Learning O	
Other (please describe):	
PLEASE ATTACH MATERIAL TO ILLU	ISTRATE AND EXPLAIN ALL CHANGES
DEPARTMENTAL ACTION	
Action by Department and/or Depa	rtmental Committee if required.
Action by Department and/or Depar	runchtar Committee, ir requireu.
Date Approved:Sign	nature, Committee Chairperson:
If submitted Curriculum Action aff required:	ects another Department, signature of the affected Department(s) is
Date Approved:Sign	ature, Department Chairperson:
Date Approved:Sign	ature, Department Chairperson:
I have reviewed the attached materi	al/proposal
Circustum Day 4 City	Pina Charmish
Signature, Department Chairperson	I;



TO: Fall 2021 Curriculum Committee

FROM: Prof. Yarmish, Chair, Department of Mathematics & Computer Science

DATE: 9/27/2021

RE: Change in Degree Requirements for Computer Information Systems, A.A.S.

The Department of Mathematics & Computer Science is proposing a change in Degree Requirements for Computer Information Systems, A.A.S.

Rationale for Change:

Most students take the Mathematical & Quantitative Reasoning course before their other classes. This change will enable students to satisfy their prerequisite for their scientific world class during their first semester.

CURRENT

A.S. COMPUTER INFORMATION SYSTEMS epartment: Mathematics and Computer Sciences EGIS: 5101.00 ROGRAM CODE: 01055 UNY CORE EQUIRED CORE: (4 Courses, 12 Credits) then Required Core courses are specified for a category, they are strongly suggested ad/or required for the major. NG 1200 - English Composition I NG 2400 - English Composition II athematical and Quantitative Reasoning: MAT 1400 - Analytic Geometry and Pre-Calculus* or MAT/BA 2200 - Business Statistics* MAT 900 - College Algebra or ^ MAT 980 - College Algebra for STEM Majors^ fe and Physical Sciences EXIBLE CORE: (3 Courses, 9-10 Credits) then Flexible Core Courses are specified for a category, they are strongly suggested and/or quired for the major.	3 3 3 4 3 3 9-10
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MAT 1400 – Analytic Geometry and Pre-Calculus* or MAT/BA 2200 – Business Statistics* MAT 900 - College Algebra or ^ MAT 9B0 - College Algebra for STEM Majors^ fe and Physical Sciences EXIBLE CORE: (3 Courses, 9-10 Credits) Then Flexible Core Courses are specified for a category, they are strongly suggested and/or	4 3 3 3
MAT/BA 2200 – Business Statistics* MAT 900 - College Algebra or ^ MAT 980 - College Algebra for STEM Majors^ fe and Physical Sciences EXIBLE CORE: (3 Courses, 9-10 Credits) Then Flexible Core Courses are specified for a category, they are strongly suggested and/or	4 3 3 3
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MAT 9B0 - College Algebra for STEM Majors^ fe and Physical Sciences EXIBLE CORE: (3 Courses, 9-10 Credits) Then Flexible Core Courses are specified for a category, they are strongly suggested and/or	3
Fe and Physical Sciences EXIBLE CORE: (3 Courses, 9-10 Credits) Then Flexible Core Courses are specified for a category, they are strongly suggested and/or	3
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elect one (1) course from three (3) Groups A to E for a total of nine (9) credits. Each ourse Must be in a <u>Different</u> Discipline	
World Cultures & Global Issues	
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Individual & Society	
Scientific World*:	
MAT 900 - College Algebra or ^	3
MAT 9B0 - College Algebra for STEM Majors [^]	3
MAT 1400 – Analytic Geometry and Pre-Calculus* or	3
MAT/BA 2200 – Business Statistics*	4
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E P P P S S S S S S S S S S S S S S S S	Morld Cultures & Global Issues J.S. Experience In Its Diversity Creative Expression ndividual & Society Scientific World*: MAT 900 - College Algebra or ^ MAT 980 - College Algebra for STEM Majors^ MAT 1400 - Analytic Geometry and Pre-Calculus* or MAT/BA 2200 - Business Statistics* GREE REQUIREMENTS: (11 Courses, 37 to 38 Credits) 500 - Introduction to Computer Programming 2100 - C++ Programming II 2200 - C++ Programming III 31200 - Introduction to Operating Systems 31500 - Applied Computer Architecture 3100 - Introduction to Database C 1100 - Fundamentals of Accounting I or BA 1100 - Fundamentals of Business or BA 1200 - Business Law I 1400 - Critical Issues in Personal Health

CURRENT

Select three (3) courses from the following	12
CP 6200 - JAVA Programming 2 (CP 6200)	4
CIS 2100 - Introduction to Webpage Development (CIS 2100)	4
CIS 2200 - HTML Authoring and JavaScript (CIS 2200)	4
CIS 3200 - Advanced Database Programming (CIS 3200)	4
CIS 4500 - Network Server Administration (CIS 4500)	4
ELECTIVES : 0 -2 credits sufficient to total 60 credits for the degree.	
TOTAL:	60
*This program has a waiver to require particular courses in the Common Core, otherwise	
more than the minimum credits for the degree may be necessary.	
^ Depending on Math placement, students may be required to complete MAT 900, or MAT	
9B0, and MAT 1400.	

PROPOSED

A.A.S. COMPUTER INFORMATION SYSTEMS	
Department: Mathematics and Computer Sciences	
HEGIS: 5101.00	
PROGRAM CODE: 01055	
OUNIV CORE	ODEDITO
CUNY CORE	CREDITS
DECITION CODE: (4.0	40
REQUIRED CORE: (4 Courses, 12 Credits)	12
When Required Core courses are specified for a category, they are strongly suggested	
and/or required for the major.	
ENG 1200 - English Composition I	3
ENG 2400 - English Composition II	3
Mathematical and Quantitative Reasoning:	
MAT 900 - College Algebra or ^	3
MAT 980 - College Algebra for STEM Majors^	3
Life and Physical Sciences	3
Line and i Hysical Ociences	J
FLEXIBLE CORE: (3 Courses, 9-10 Credits)	9-10
i LLAIDLE GOINE. 13 GOULGES, 3-10 CIEULG)	Ð-10
When Flexible Core Courses are specified for a category, they are strongly suggested and/or	
required for the major.	
Select one (1) course from three (3) Groups A to E for a total of nine (9) credits. Each	
Course Must be in a <u>Different</u> Discipline	
A. World Cultures & Global Issues	
B. U.S. Experience In Its Diversity	
C. Creative Expression	
D. Individual & Society	
E. Scientific World*:	
MAT 1400 – Analytic Geometry and Pre-Calculus* or	3
MAT/BA 2200 – Business Statistics*	4
DEGREE REQUIREMENTS: (11 Courses, 37 to 38 Credits)	37 - 38
CP 500 - Introduction to Computer Programming	4
CP 2100 - C++ Programming I	4
CP 2200 - C++ Programming II	4
CIS 1200 - Introduction to Operating Systems	3
CIS 1500 - Applied Computer Architecture	3
CIS 3100 - Introduction to Database	3
ACC 1100 – Fundamentals of Accounting I or	3 - 4
BA 1100 - Fundamentals of Business or	
BA 1200 - Business Law I	
HE 1400 - Critical Issues in Personal Health	1
AND	
Select three (3) courses from the following	12
CP 6200 - JAVA Programming 2 (CP 6200)	4
CIS 2100 - Introduction to Webpage Development (CIS 2100)	4
CIS 2200 - HTML Authoring and JavaScript (CIS 2200)	4

PROPOSED

CIS 3200 - Advanced Database Programming (CIS 3200)	4
CIS 4500 - Network Server Administration (CIS 4500)	4
ELECTIVES : 0 -2 credits sufficient to total 60 credits for the degree.	
TOTAL:	60
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^ Depending on Math placement, students may be required to complete MAT 900, or MAT 9B0, and MAT 1400.	