

Appendix E

The City University of New York

ARTICULATION AGREEMENT

Agreement Initiated by: Brooklyn College

Sending College: Kingsborough Community College (KCC)

Department: Mathematics and Computer Science

Program: **Computer Science**

Degree: A.S.

Receiving College: Brooklyn College (BC)

Department: Computer and Information Science

Program: **Multimedia Computing**

Degree: B.S.

Admission Requirements to Senior College Program:

Completion of the A.S. degree. Pursuant to University policy, students who have earned a City University Associate in Science (A.S.) degree will be deemed to have automatically fulfilled the lower division liberal arts and science distribution requirements for a baccalaureate degree (Core Curriculum lower-tier courses plus English composition and Speech, if necessary, at Brooklyn College). Students will be required to complete two upper division (upper-tier) Core Curriculum courses from two (2) of the three (3) groups of courses approved effective September 2006.

Also, graduates of the A.S. degree program who have not completed at least one year of foreign language study (or established an equivalent proficiency) may be asked to complete up to nine (9) credits of foreign language coursework (or establish an equivalent proficiency) in addition to their normal degree requirements. Proficiency may be established based upon high school coursework, native language abilities, or examination.

Total transfer credits granted toward the baccalaureate degree: 60

Total additional credits required at Brooklyn College to complete baccalaureate degree: 60

COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

**Sending College: Kingsborough
Community College**

**Receiving College Equivalents or Other
Evaluation: Brooklyn College**

<u>Course number</u>	<u>Course number</u>	<u>Credits Granted</u>
General Education Requirements (Liberal Arts and Core) Courses		
English 12 and 24	English 1 and 2	6
HPE12	HNS 6.1	3
Philo, Foreign Lang. or Literature	Absorbed within	10
History, Pol. Sci. or Eco.	block credit for New Core Curr.	
Psych., Soc. or Anthro.	- Lower-Tier courses only	
Art, Music, Speech, or Theatre Arts		
		<u>19 cr.</u>

Department requirements for the A.S. degree

All majors in Computer Science at Kingsborough must take:

CS 12 Introduction to Computing	CIS 31 at BC	4
CS 13 Advanced Programming Techniques	CIS 15 at BC	4
CS 35 Discrete Structures	CIS 11 at BC + blanket credit	5
MAT 15 Calculus I	Math 3.3 + blanket credit	4
*CS 14 Computers and Assembly Language Programming	CIS 4.1 at BC + blanket credit	4
*MAT 16 Calculus II	Math 4.3	4
*MAT 21 Calculus III	Math 5.3	4
*MAT 56 Linear Algebra	Math 10.1 + blanket credit	4
*PHY 13 Advanced General Physics I	Physics 1	4
*PHY 14 Advanced General Physics II	Physics 2	4
		<u>41</u>

*1.5 error as per Prof. Tenenbaum correct in T1A3
3/12/07 (PW)*

A.S. total

60

SENIOR COLLEGE COURSES REMAINING FOR BACCALAUREATE DEGREE

General Education (Liberal Arts. Core) Required Courses

	<u>Credits</u>
Two Core Curriculum upper-tier courses (to be determined)	6
Modern Language; if necessary	0-6
One Writing Intensive course (preferably in the major)	<u>0-3</u>
Sub-total	6-15

Required Major Courses

	<u>Credits</u>
CIS 22, Data Structures	4
CIS 23, Analysis of Algorithms	3
CIS 26, Object-Oriented Programming	3
CIS 41, Computer Graphics	3
CIS 52, Multimedia Computing	3
CIS 51.1, Digital Image Processing, <i>or</i>	3
CIS 54, Human-Computer Interfaces	3
CIS 60.1, Independent and Group Projects, <i>or</i>	3
CIS 88.1, Research Projects	9
3 additional courses chosen from among CIS 13.2, 17, 36, etc.	4
Math 8.5, Mathematics for Multimedia 1	4
Math 8.6, Mathematics for Multimedia 2	<u>6</u>
Arts courses	6
Sub-total	45

General Ed.	6-15
Electives	<u>0-9</u>
Total BC credits	60

plus KCC transfer credits	<u>60</u>
Total B.S. credits	120

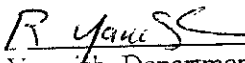
Monitoring, Evaluation, and Modification of this Agreement

This agreement will be monitored by tracking students as they progress through the sequence of upper division courses upon transfer. Academic performance and persistence towards the baccalaureate degree will be evaluated by the Director of the Multimedia Computing Program at BC and the relevant faculty members in the Department of Mathematics and Computer Science at KCC, including the Department Chair. The Multimedia Computing Program at BC and the department at KCC will consult with each other about course sequencing, student achievement, prerequisites, and the like.

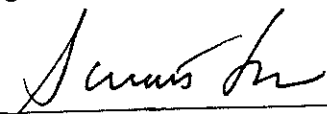
Dissemination of the Agreement

Information about the articulation agreement will be made available in the BC Undergraduate Bulletin (including the electronic version on the college website) as well as the KCC bulletin, on the BC Department of Computer and Information Science website, and at the admissions information center and student advisement center of both colleges. The Multimedia Computing Program at BC will develop a brochure about the Program (and referencing this articulation agreement) to be disseminated at both colleges and in outside recruiting efforts.


Effective Date of Agreement: _____, 2007 (pending final approval of B.S. program)



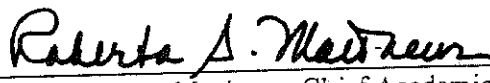
Prof. Rina Yarmish, Department Chairperson
Kingsborough Community College



Provost Stuart Suss, Chief Academic Officer
Kingsborough Community College



Prof. Aaron Tenenbaum, Department Chairperson
Brooklyn College



Provost Roberta Matthews, Chief Academic Officer
Brooklyn College