Rationale:
New York City Department of Education’s Career and Technical Education (CTE) schools and programs provide cutting edge training to unlock pathways to college and career success. Students participate in rigorous academic preparation linked to relevant work experiences in high-demand industries. Managing the largest CTE portfolio of any city in the world, the New York City Department of Education supports over 270 programs, training approximately 60,000 students per year. In collaboration with private sector partners and postsecondary educational institutions the CTE programs are aligned to eight different industry sectors working to ensure students graduate college and are career-ready.

The Office of Postsecondary Readiness (OPS R) manages a portfolio of over forty-five CTE programs of study within the Information Technology (IT) industry vertical. The IT portfolio includes programs of study in the following career pathways such as Computer Repair, Computer Networking, Software Engineering/Computer Programming, Computer Integrated Manufacturing and Game Design. Students graduate high school with certifications including CompTIA A+, Network +, Security +, Mobility +; CISCO- CCENT, CCNA Microsoft Technology Associate and NOCTI Computer Programming. Students graduating high school with a CTE endorsed diploma will have an opportunity to further their education and training in IT career pathways at the Borough of Manhattan Community College (BMCC).

Purpose:
BMCC hereby establishes an articulation agreement for students who have completed a course of study in Information Technology from the portfolio of CTE Programs recognized by the Office of Postsecondary Readiness, New York City Department of Education.

The purpose of this agreement is to strategically align respective program interests. BMCC reserves the right to an annual review of this agreement for modifications, additions, or to nullify this non-binding agreement.

Information Technology students who have graduated from a CTE Program, recognized by the Office of Postsecondary Readiness (OPS R), and who have been accepted into the college for direct admission into the Associate of Applied Science (AAS) Degree in Computer Network Technology (CNT) or Associate of Applied Science (AAS) Degree in Computer Information Systems (CIS) at BMCC will be:

1. GUARANTEED ADMISSION: into the CNT or CIS program on a space availability basis after meeting the posted admissions criteria.
2. PRIOR LEARNING CREDIT: Graduates from CTE’s IT portfolio of high schools with programs of study in Computer Repair and Networking, will receive prior learning credit towards the AAS degree in CNT at BMCC. Graduates who choose to enroll at BMCC may earn up to six (6) prior learning credits towards the AAS in CNT or CIS.
To earn credit towards the AAS in CNT or CIS at BMCC, the following stipulations apply to the graduates from CTE’s IT portfolio of high schools:

A. CTE’s IT portfolio of high schools will follow a curriculum in **Computer Repair** developed specifically for the A+ program in accordance with competencies laid out by CompTIA and is designed to have outcomes which will be comparable to the following 3-credit course at BMCC: *Introduction to Operating Systems* - CIS 165. BMCC agrees that the curriculum prepared by CTE’s IT portfolio of high schools for this purpose satisfied the requirements of this clause A.

OR

B. CTE’s IT portfolio of high schools will follow a curriculum in **Computer Networking** developed specifically for the Network+ program in accordance with competencies laid out by CompTIA and is desired to have outcomes which will be comparable to the following 3-credit course at BMCC: *Telecommunication Network I* – CIS 345. BMCC agrees that the curriculum prepared by CTE’s IT portfolio of high schools for this purpose satisfied the requirements of this clause B.

OR

C. CTE’s IT portfolio of high schools will follow curriculum in **Cisco CCNA® Routing and Switching**, designed for Cisco Networking Academy® students, preparing students to take the Cisco CCENT® certification exam after completing a set of two courses and the CCNA Routing and Switching certification exam after completing a set of four courses. Cisco CCNA® Routing and Switching curriculum is desired to have outcomes which will be comparable to the following 3-credit course at BMCC: *Telecommunication Network I* – CIS 345. BMCC agrees that the curriculum prepared by CTE’s IT portfolio of high schools for this purpose satisfied the requirements of this clause C.

AND

D. Graduates from CTE’s IT portfolio of high schools must earn a passing grade of 75% on the challenge exam at BMCC in order to earn 3 prior learning credits for the *Introduction to Operating Systems* - CIS 165 course or 3 prior learning credits for *Telecommunication Network I* – CIS 345. Students who intend to take this challenge exam will be charged a nominal test fee of $50 to cover proctoring, testing and grading costs.

AND

E. CTE’s IT portfolio of high schools graduates who complete the AP Computer Science A or AP Computer Science Principles course and pass the AP Computer Science A or AP Computer Science Principles exam with score 3 and above will earn 3 prior learning credits for *Principles in Information Technology and Computation* – CSC 101.

AND

F. CTE’s IT portfolio of high schools graduates who complete the AP Computer Science AB course and pass the AP Computer Science AB exam with score 3 and above will earn 4 prior learning credits for *Computer Programming I* – CSC 110.
G. Participants can only apply credits towards the AAS Degree in Computer Network Technology or Computer Information Systems at BMCC.

H. Once enrolled in the AAS degree in CNT or CIS at BMCC, prior learning credits will be applied to the course transcripts of eligible CTE IT portfolio graduates as follows: 3 credits in Introduction to Operating Systems - CIS 165 course and/or 3 credits Telecommunication Network I – CIS 345 and/or 3 credits Principles in Information Technology and Computation – CSC 101 and/or 4 credits Computer Programming I – CSC 110. Students will not have to take additional electives as a replacement for this course.

I. Credits will be valid and applicable as long as the college-level course of CIS 165, CIS 345, CSC 101, and CSC 110 are offered by BMCC. If any of these four course is changed or eliminated, the Office of Postsecondary Readiness, CTE Executive Director and BMCC faculty liaison will work to revise the curricula to meet any new requirements for earning prior learning credit.

J. Graduates that complete the requirements outlined in this articulation agreement prior to any changes, will be grandfathered in and able to receive the 3 credits in Introduction to Operating Systems - CIS 165 course and/or 3 credits Telecommunication Network I – CIS 345 and/or 3 credits Principles in Information Technology and Computation – CSC 101 and/or 4 credits Computer Programming I – CSC 110.

The BMCC Computer Information Systems Department agrees to collaborate with the Office of Postsecondary Readiness, CTE Department when appropriate to:

- Review curriculum and credentialing.
- Provide guidance and information to prospective students on Technology/Technical education requirements and career expectations.
- Nominate faculty to participate on the Information Technology industry commission, as a means to establish regular connections to school and to provide feedback on curriculum and credentialing.
- Share guidelines on content and competencies tested in the challenge test.

The CTE Department in the Office of Postsecondary Readiness of the NYC Department of Education agrees to collaborate with the BMCC Computer Information Systems Department when appropriate to:

- Ensure CTE programs receive adequate guidance and support towards program quality and New York State Education Department approval.
- Through school programs, provide career guidance and instruction throughout grades 9-12 to make informed career choices in areas related to Information Technology.
- Provide a platform such as the industry commissions to have industry and postsecondary partners review and affect curricula design choices.
- Through OPSR led capacity building supports, CTE programs will design, review, upgrade and implement curricula and program standards to more strongly align to postsecondary requirements. This will help students make a smoother transition from high school to college.
Upon approval of this agreement, all cooperating agencies can publicize in brochures and other recruitment/admissions materials. BMCC reserves the right to make final determination on advanced placement of students; effort will be made to accommodate all qualified students on a space availability basis.

This agreement shall be in effect upon signing by both parties and revised by mutual agreement of both parties. Curriculum, equipment or facilities may be reviewed at any time per request by either party.

The term of this agreement shall commence as of November 18, 2019 and shall remain in effect until June 30, 2024. Significant changes in curricula will be taken into account upon yearly review.

Agreement accepted for Borough of Manhattan Community College by:

Dr. Karrin E. Wilks
Interim President

Date

Dr. Erwin J. Wong
Acting Provost and Senior Vice President for Academic Affairs

Date

Dr. Ching-Song Wei
Chairperson, Computer Information Systems Department

Date

Agreement accepted for New York City Department of Education by:

John Widlund
Executive Director, Career & Technical Education, Office of Postsecondary Readiness

Date
Name of School: S.T.E.A.M. Center (Brooklyn Navy Yard)

Name of Principal: Kayon Pryce

Name of CTE Program: Information Technology

Principal Signature: [Signature]  Date: 1/9/20