



ARTICULATION AGREEMENT FORM

A. SENDING AND RECEIVING INSTITUTIONS

Sending College: Borough of Manhattan Community College
Department: Allied Health Sciences
Program: Paramedic
Degree: Associate in Applied Sciences (A.A.S.)

Receiving College: John Jay College of Criminal Justice
Department: Security, Fire and Emergency Services
Program: Emergency Services Administration
Degree: Bachelor of Science (B.S.)



B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

- Completion of the A.A.S. degree in Paramedic and a minimum GPA of 2.00.
- Grade of C or better in freshman composition, its equivalent, or a higher-level English course.
- Successful completion of a 3-credit college-level math course.

Total transfer credits granted toward the baccalaureate degree: 61

Total additional credits required at the senior college to complete baccalaureate degree: 59

Total credits required for the B.S. in Emergency Services Administration Program: 120

C. TRANSFER CREDIT AWARDED

PARAMEDIC

Common Core	
Required Common Core	
English Composition ENG 101 – English Composition ENG 201 – Introduction to Literature	6
Mathematical & Quantitative Reasoning MAT 104 – Mathematics for Health Sciences	3
Life & Physical Sciences CHE 118 – Fundamentals of Chemistry OR CHE 121 – Fundamentals of General Organic & Biological Chemistry I	4
<i>Total Required Common Core</i>	<i>13</i>
Flexible Core	
Creative Expression SPE 100 – Fundamentals of Speech	3
Scientific World BIO 425 – Anatomy & Physiology I PSY 100 – General Psychology	7
<i>Total Flexible Core</i>	<i>10</i>
Total Common Core	23
Curriculum Requirements	
EMC 101 – Emergency Medical Care/Paramedic I	6
EMC 102 – Emergency Medical Care/Paramedic II	6
EMC 201 – Emergency Medical Care/Paramedic III	6
EMC 202 – Emergency Medical Care/Paramedic IV	6
EMC 301 – Emergency Medical Care/Clinical Internship I	1
EMC 302 – Emergency Medical Care/Clinical Internship II	2
EMC 303 – Emergency Medical Care/Clinical Internship III	3
BIO 426 – Anatomy & Physiology II	4
EMC 100 – Emergency Medical Care	4
<i>Total Curriculum Credits</i>	<i>38</i>
Total Program Credits	61

D. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE

Borough of Manhattan Community College (BMCC) graduates who complete the A.A.S degree in Applied Science for Paramedic will receive 61 credits toward the Bachelor of Science B.S. in Emergency Services Administration at John Jay College of Criminal Justice.

Course	Course Title / Category	Credits
Flexible Core	World Cultures & Global Issues	3
Flexible Core	U.S. Experience in Its Diversity	3
Flexible Core	Individual and Society	3
College Option	Learning from the Past or Communications	3
College Option	300 Justice Core	3
ESA 101	Introduction to Emergency Management	3
ESA 215	Emergency Incident Management	3
ESA 225	Responder Health, Protection and Safety	3
FIS 104	Risk Management	3
PAD 101	Introduction to Public Administration	3
PAD 318	Decisions in Crises	3
FIS 401	Seminar in Fire Protection Services	3
Take FIVE Courses within ONE Specialization of your choice.	Specializations: Fire Service OR Emergency Medical Services OR Emergency Management	12-15
Total Credits Eligible for Transfer		61
Total Transfer Credits Applied to the Program		61
Total Credits Required after Transfer		59
Total Credits for the degree		120

Students must choose one out of the three specializations.

*Course credits range depending on specialization chosen. Please see below for the courses offered within each specialization.

Fire Service Specialization (15 CREDITS)		
FIS 101	Introduction to Fire Science	3
FIS 209	Analysis of Urban Hazardous Materials, Tactics, and Strategy	3
FIS 210	Fire Safety Administration	3
FIS 230	Building Construction and Life Safety Systems I	3
FIS 303	Fire Investigations	3
FIS 319	Hazard Identification and Mitigation	3
FIS 350	Management Application in Fire Protection	3
FIS 385	Faculty Mentored Research Experience in Fire Science	3
ESA 360	Response to Large Scale Disasters and Mass Casualty Incidents	3
SEC 378	Security Management Internship	3
Emergency Medical Services Specialization (12-15 CREDITS)		
ESA 114	Introduction to Emergency Medical Services (can be fulfilled if EMC 100 taken at BMCC)	3
ESA 227	Emergency Dispatch and Communications	3
ESA 355	Geographic Information Systems for Emergency Services	3
ESA 360	Response to Large Scale Disasters and Mass Casualty Incidents	3
FIS 209	Analysis of Urban Hazardous Materials, Tactics, and Strategy	3
FIS 350	Management Applications in Fire Protection	3
SEC 378	Security Management Internship	3
Emergency Management Specialization (15 CREDITS)		
FIS 209	Analysis of Urban Hazardous Materials, Tactics, and Strategy	3
FIS 319	Hazard Identification and Mitigation	3
ESA 227	Emergency Dispatch and Communications	3
ESA 355	Geographic Information Systems for Emergency Services	3
ESA 360	Response to Large Scale Disasters and Mass Casualty Incidents	3
SEC 378	Security Management Internship	3

E. SUMMARY OF TRANSFER CREDITS FROM BMCC AND CREDITS TO BE COMPLETED AT JOHN JAY COLLEGE

	Total Credits for the Baccalaureate	Transfer Credits from BMCC	Credits to be Completed at John Jay College
Common Core	30	21	9
College Option	6	0	6
Majors Requirements	36	3	33
Electives	48	37	11
Total	120	61	59

F. COURSE EQUIVALENCIES

<i>BMCC Course</i>	<i>John Jay Course</i>
ENG 101 – English Composition	ENG 101 – English Composition I
ENG 201 – Introduction to Literature	ENG 201 – English Composition II
SPE 100 – Fundamentals of Speech	COM 113 – Oral Communication
BIO 425 – Anatomy & Physiology I	BIO 355 – Human Physiology
PSY 100 – General Psychology	PSY 101 – Introduction to Psychology
BIO 426 – Anatomy & Physiology II	BIO 356 – Human Anatomy & Physiology Laboratory
EMC 101 – Emergency Medical Care/Paramedic I	ESA 114 – Introduction to Emergency Medical Services

G. PROGRAM MAPS

Year 1 at BMCC	Year 2 at BMCC
SUMMER SESSION	SEMESTER 3 (Fall Term)
CHE 121 – Fundamentals of General, Organic & Biological Chemistry	EMC 101 – Emergency Medical Care/Paramedic I
TOTAL CREDITS: 4	
SEMSTER 1 (Fall Term)	EMC 102 – Emergency Medical Care/Paramedic II
MAT 104 – Mathematics for Health Sciences	EMC 301 – Emergency Medical Care/Clinical Internship I
ENG 101 – English Composition	
BIO 425 – Anatomy & Physiology I	
PSY 100 – General Psychology	
TOTAL CREDITS: 13	TOTAL CREDITS: 13
SEMESTER 2 (Spring Term)	SEMESTER 4 (Spring Term)
ENG 201 – Introduction to Literature	EMC 20 – Emergency Medical Care/Paramedic III
EMC 100 – Emergency Medical Care	EMC 202 – Emergency Medical Care/Paramedic IV
BIO 426 – Anatomy & Physiology II	EMC 302 – Emergency Medical Care/Clinical Internship II
SPE 100 – Fundamentals of Speech	TOTAL CREDITS: 14
	SUMMER SESSION:
	EMC 303 – Emergency Medical Care/Clinical Internship III
TOTAL CREDITS: 14	TOTAL CREDITS: 3

SAMPLE TWO-YEAR PROGRAM MAP AT JOHN JAY COLLEGE

Year 3 at John Jay College	Year 4 at John Jay College
SEMESTER 5	SEMESTER 7
300-level Justice Core Course (CO)	ESA 225 – Responder Health, Protection & Safety
World Cultures Course	PAD 318 – Decisions in Crises
United States in its Diversity Course	Specialization Course
ESA 101 – Introduction to Emergency Management	Specialization Course
PAD 101 – Introduction to Public Administration	General Elective
TOTAL CREDITS: 15	TOTAL CREDITS: 15
SEMESTER 6	SEMESTER 8
Learning from the Past or Communications Course (CO)	FIS 401 – Seminar in Fire Protection Problems
Individual and Society Course	Specialization Course
ESA 215 – Emergency Incident Management	Specialization Course
FIS 104 – Risk Management	General Elective
Specialization Course	General Elective
TOTAL CREDITS: 15	TOTAL CREDITS: 15

¹This two-year plan assumes that the student will take five specialization courses. If selecting the Emergency Medical Services specialization, only four specialization courses are needed and an additional general elective would need to be taken.

H. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES

1. Procedures for reviewing, updating, modifying or terminating agreement:

When either of the degree programs involved in this agreement undergoes a change, the agreement will be reviewed and revised accordingly by faculty from each institution's respective departments or programs, selected by their Chairpersons and/or program directors.

2. Procedures for evaluating agreement (i.e., tracking the number of students who transfer under the articulation agreement and their success):

Each year John Jay College of Criminal Justice will provide Borough of Manhattan Community College (BMCC) the following information: a) the number of BMCC graduates who applied to the program; b) the number of BMCC students who were accepted into the program; c) and the number of BMCC students who enrolled; d) the aggregate GPA of these enrolled students at John Jay.

3. Sending and receiving college procedures for publicizing agreement (e.g., college catalogs, transfer advisers, websites, etc.):

- This articulation agreement will be publicized on Borough of Manhattan Community College's website and John Jay College of Criminal Justice website.
- Transfer advisors at BMCC will promote this agreement with eligible students.

Effective Date: Fall 2019

Borough of Manhattan Community College (BMCC) Paramedic, A.A.S.			
Course #	Course Title	Gen. Ed. Requirement Met	Credits Granted
ENG 101	English Composition I	RC: EC	3
ENG 201	Introduction to Literature	RC: EC	3
MAT 104	Math for Health Sciences	RC: MQR	3
CHE 118 OR CHE 121	Fundamentals of Chemistry Fundamentals of General, Organic and Biological Chemistry BMCC Recommended: CHE 121 Fundamentals of General, Organic and Biological Chemistry	FC: SW RC: LPS	4
SPE 100	Fundamentals of Speech	FC: CE	3
BIO 425	Anatomy and Physiology I	FC: SW	4
PSY 100	General Psychology	FC: SW	3
EMC 101	Emergency Medical Care/Paramedic I		6
EMC 102	Emergency Medical Care/Paramedic II		6
EMC 201	Emergency Medical Care/Paramedic III		6
EMC 202	Emergency Medical Care/Paramedic IV		6
EMC 301	Emergency Medical Care/Paramedic Clinical Internship I		1
EMC 302	Emergency Medical Care/Paramedic Clinical Internship II		2
EMC 303	Emergency Medical Care/Paramedic Clinical Internship III		3
BIO 426	Anatomy and Physiology II	FC: SW	4
	Free Elective or EMC 100 Emergency Medical Care BMCC Recommended: EMC 100 Emergency Medical Care		4
Total Credits Eligible for Transfer			61

John Jay College of Community Justice (CUNY) Emergency Services Administration, B.S.			
Course #	Course Title	Gen. Ed. Requirement Met	Credits Accepted
ENG 101	Composition I	RC: EC	3
ENG 201	Composition II	RC: EC	3
MAT	Blanket Credit	RC: MQR	3
CHE	Blanket Credit (General Education Requirement fulfilled depending on course taken.)	FC: SW RC: LPS	4
COM 113	Oral Communication	FC: CE	3
BIO 355	Human Physiology	FC: SW	3 (+1 bl)
PSY 101	Introduction to Psychology	FC: SW	3
ESA	Blanket Credit		6
ESA	Blanket Credit		6
ESA	Blanket Credit		6
ESA	Blanket Credit		6
ESA	Blanket Credit		1
ESA	Blanket Credit		2
ESA	Blanket Credit		3
BIO 356	Human Anatomy and Physiology Laboratory	FC: SW	3 (+1 bl)
ESA 114	Introduction to Emergency Medical Services		3 (+1 bl)
Additional Required Gen. Ed., Major, & Elective Courses at John Jay:			
Gen. Ed. Requirements:			
Required Core			
	English Composition I (fulfilled by ENG 101 at BMCC)		0
	English Composition II (fulfilled by ENG 102 at BMCC)		0
	Math and Quantitative Reasoning (fulfilled by MAT 104 at BMCC)		0
	Life and Physical Science (fulfilled by CHE 121 at BMCC)		0
Flexible Core			
	World Cultures and Global Issues		3
	U.S. Experience in its Diversity		3
	Creative Expression (fulfilled by SPE 100 at BMCC)		0
	Individual and Society		3
	Scientific World (fulfilled by PSY 100 at BMCC)		0
	Additional Flexible Core Course (fulfilled by BIO 425 at BMCC)		0
College Option			
College Option	300-level Justice Core		3
College Option	Learning from the Past or Communications		3
Subtotal for Gen. Ed.			15
Major Requirements:			
PART ONE: Core Courses			
ESA 101	Introduction to Emergency Management		3
ESA 215	Emergency Incident Management		3
ESA 225	Responder Health, Protection and Safety		3
FIS 104	Risk Management		3
PAD 101	Introduction to Public Administration		3
PAD 318	Decisions in Crises		3
Part One Subtotal			18
PART TWO: Specialization Requirements			
(choose one specialization from the lists below under ¹)			12-15
Part Two Subtotal			12-15
PART THREE: Capstone			
FIS 401	Seminar in Fire Protection Problems		3
Part Three Subtotal			3
Additional Credits to Complete 50% of Major			0
Subtotal for Major			33-36
General Electives:			
Electives (to reach 120 credits required)			8-11
Total Transfer Credits Applied to Program			61
Total Credits Required for Transfer			59
Total Credits Required for Degree			120

PART TWO: Specialization Requirement (12-15 CREDITS)

Choose one specialization and complete 12-15 credits, depending on specialization chosen.

FIRE SCIENCE (15 CREDITS)

Course	Title	Credit
FIS 101	Introduction to Fire Science	3
FIS 209	Analysis of Urban Hazardous Materials, Tactics and Strategy	3
FIS 210	Fire Safety Administration	3
FIS 230	Building Construction and Life Safety Systems I	3
FIS 303	Fire Investigations	3
FIS 319	Hazard Identification and Mitigation	3
FIS 350	Management Applications in Fire Protection	3
FIS 385	Faculty Mentored Research Experience in Fire Science	3
ESA 227	Emergency Dispatch and Communications	3
ESA 355	Geographic Information Systems for Emergency Services	3
ESA 360	Response to Large Scale Disaster and Mass Casualty Incidents	3
SEC 378	Security Management Internship/Practicum	3

EMERGENCY MEDICAL SERVICES (12 CREDITS)

Course	Title	Credit
ESA 114	Introduction to Emergency Medical Services (fulfilled by EMC 100 at BMCC)	0
ESA 227	Emergency Dispatch and Communications	3
ESA 355	Geographic Information Systems for Emergency Services	3
ESA 360	Response to Large Scale Disaster and Mass Casualty Incidents	3
FIS 209	Analysis of Urban Hazardous Materials, Tactics and Strategy	3
FIS 350	Management Applications in Fire Protection	3
SEC 378	Security Management Internship/Practicum	3

EMERGENCY MANAGEMENT (15 CREDITS)

Course	Title	Credit
FIS 209	Analysis of Urban Hazardous Materials, Tactics and Strategy	3
FIS 319	Hazard Identification and Mitigation	3
ESA 227	Emergency Dispatch and Communications	3
ESA 355	Geographic Information Systems for Emergency Services	3
ESA 360	Response to Large Scale Disaster and Mass Casualty Incidents	3
SEC 378	Security Management Internship/Practicum	3