



A. SENDING AND RECEIVING INSTITUTIONS

Sending College: **Bronx Community College of the City University of New York**

Department: Biology and Medical Laboratory Technology

Program: Liberal Arts and Sciences, Biology Option

Degree: Associate in Science

Receiving College: **Marymount Manhattan College**

Department: Biology

Program: Biology

Degree: Bachelor of Science

B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM

(e.g., minimum GPA, audition/portfolio):

About The Program

The B.S. in Biology is appropriate for students who intend to go on to medical, dental or veterinary school, as well as graduate school in biology, biochemistry, biomedical sciences or nutrition. This degree is also excellent for those students who intend to pursue a career in the health science field or the biomedical industry. In addition, we also offer a Biology program for non-majors interested in the Pre-Med track. The department offers many levels of support to its pre-med students, from pre-professional committees that aid and guide students to professional programs with seminars that bring current health field professionals into the classroom. **Students seeking admission to MMC's Biology program are advised to select courses specified in this document.**

Admission

- Bronx Community College graduates, who have maintained a cumulative grade point average of at least 3.0, may be assured of admission to Marymount Manhattan College. All necessary documents (e.g., application form, transcripts, letters of recommendation, and proof of high school graduation) must be submitted for admission.
- Marymount Manhattan College will accept in transfer all coursework completed at BCC provided the student HAS earned a grade of C (2.0) or higher, except in ENG 10, 11, 12 where students will be given elective credit unless a minimum grade of 3.0 or better is earned.
- Students may not repeat a course for credit at Marymount Manhattan College for which transfer credit has been granted.
- No transfer credit may be granted for remedial courses.
- Transfer students must complete all requirements set by Marymount Manhattan College for the Bachelor's degree.
- Students understand that Marymount Manhattan College cannot guarantee that students who are in need of federal and State financial aid will be able to complete a Bachelor's degree before such aid is expended.
- All transfer students must complete a minimum of 12 credits in their major at Marymount Manhattan College, regardless of the number of transfer credits awarded within the major.

Associate in Science Degree from Bronx Community College.

Bronx Community College graduates with the Associate Degree in Science will receive 60 credits toward the Bachelor of Science in Biology at Marymount Manhattan College.

Total transfer credits granted toward the baccalaureate degree: 60

Total additional credits required at the senior college to complete baccalaureate degree: 60

C. COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

<u>Sending College</u>		<u>Receiving College Equivalent (Or Other Evaluation)</u>		Transfer Credit Granted
Core Requirements				
Course & Title	Credit	Course & Title	Credit	
ENG 10 Fundamentals of Composition and Rhetoric Or ENG 11 Compositions and Rhetoric I	3	WRIT 101 Writing Seminar I <i>ENG 10 or ENG 11 with a grade of B (3.0) or higher will be listed as equivalent to MMC's WRIT 101. ENG 10 or ENG 11 below grade of B (3.0) and above a grade of 1.9 will be listed as open electives and students will be required to enroll in Writ 101 at Marymount in order to fulfill a core English course.</i>	3	3
ENG 12 Composition and Rhetoric II	3	WRIT 102 Writing Seminar II <i>ENG 12 with a grade of B (3.0) or higher will be listed as equivalent to MMC's WRIT 102. ENG 12 below grade of B (3.0) and above a grade of 1.9 will be listed as an open elective and students will be required to enroll in WRIT 102 at Marymount in order to fulfill a core English course.</i>	3	3
CMS 11 Fundamentals of Interpersonal Communication	3	COMM 104 Interpersonal Communication	3	3
HISTORY HIS 10 History of the Modern World OR HIS 11 Introduction to the Modern World	3	HIS 220 Modern Europe	3	3
<i>Students are advised to complete</i> HLT 91 Critical Issues in Health <i>Students who complete Physical Education Courses will not be granted credit</i>	0-2	<i>Elective Credit</i>		0-2
SUBTOTAL				12-14

Required Areas of Study				
[Bronx Community College] Course & Title	Credit	[Marymount Manhattan College] Course & Title	Credit	Transfer Credit Granted
CHM 11 General Chemistry I	4	CHEM 233/234 General Chemistry I (with laboratory)	5	4
CHM 22 General Chemistry II with Qualitative Analysis	5	CHEM 235/236 General Chemistry II (with laboratory)	5	5
MTH 31 Analytical Geometry & Calculus I	4	MATH 210 Calculus I	4	4
MTH 32 Analytical Geometry & Calculus II	5	MATH 211 Calculus II	3	3+2 Elective
ART 11 Introduction to Art Or MUS 11 Introduction to Music OR HUMANITIES OR SOCIAL SCIENCES: <i>For congruency with M.M.C.'s General Education requirement, B.C.C. students are advised to complete one of the following:</i> PHL 11 Introduction to Philosophy Or PSY 11 Introduction to Psychology <i>Students should consult attachment I for more equivalencies.</i>	3	ART 266 Exploring the Visual Arts <i>Elective</i> PHIL 101 Introduction to Philosophy PSYCH 101 General Psychology: Social and Clinical Processes	3	3
MODERN LANGUAGE <i>(See attachment I for equivalencies)</i>	8	LANGUAGE AND LITERATURE <i>(See attachment I for equivalencies)</i>	6	6+2 Elective
SUBTOTAL				21-29

Free Electives				
[Bronx Community College] Course & Title	Credit	[Marymount Manhattan College] Course & Title	Credit	Transfer Credit Granted
<i>For congruency with M.M.C.'s General Education requirement, B.C.C. students are advised to complete the following:</i> CMS 20 Public Speaking and Critical Listening ART 11 Introduction to Art PHL 11 Introduction to Philosophy Or PSY 11 Introduction to Psychology <i>Students should consult attachment I for more equivalencies.</i>	0-9	COR 200 Public Speaking ART 266 Exploring the Visual Arts PHIL 101 Introduction to Philosophy PSYCH 101 General Psychology: Social and Clinical Processes	0-9	0-9
SUBTOTAL				0-9

Specialization Requirements for Biology Option

[Bronx Community College] Course & Title	Credit	[Marymount Manhattan College] Course & Title	Credit	Transfer Credit Granted
BIO 11 General Biology I	4	BIOL 220 General Biology I (with laboratory)	4	4
BIO 12 General Biology II	4	BIOL 222 General Biology II (with laboratory)	4	4
CHM 31 Organic Chemistry I	5	CHEM 317 / 318 Organic Chemistry I (with laboratory)	5	5
CHM 32 Organic Chemistry II	5	CHEM 319 / 320 Organic Chemistry II (with laboratory)	5	5
SUBTOTAL				18
TOTAL				58-60

D. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE

General Education: the Core and Shared Curriculum	
<p><u>The Core (6-9* Credits)</u> COR 300. Cultural Studies (3credits) COR 400. Capstone (3 credits) *Students who do not complete CMS 20 at BCC will be required to complete COR 200 at MMC (3 credits).</p> <p><u>The Shared Curriculum (15-21* Credits)</u> A. Human Nature and Values- One 300 or 400 level course (3-6credits) Students who do complete PHL 11 or PSY 11 at BCC will be required to complete a 100 or 200level course in Human Nature and Values. B. The Natural Sciences-One 300 or 400 level course (3 credits) C. Social Sciences- One 300 or 400 level course (3 credits) D. Language and Literature-One 300 or 400 level course (3 credits) E. Creative Expression- One 300 or 400 level course (3 credits) *Students who do complete ART 11 at BCC will be required to complete a 100 or 200 level course in Creative Expression (3 credits).</p>	
SUBTOTAL	21-30
Bachelor of Science in Biology	
BIOL 240 Cellular and Molecular Biology (with laboratory) (3 credits) PHYS 261 General Physics I (with laboratory) (5 credits) PHYS 262 General Physics II (with laboratory) (5 credits) BIOL 320 Microbiology (with laboratory) (4 credits) BIOL 329 Physiology (with laboratory) (4 credits) BIOL 425 Genetics (4 credits) BIOL/CHEM 441 Biochemistry (4 credits)	
SUBTOTAL	29
Free Electives	
	1-10
TOTAL	
	60-62

E. Articulation Agreement Follow-Up Procedures

1. Procedures for reviewing, up-dating, modifying or terminating agreement:

Bronx Community College Biology and Medical Lab Technology Department Chair and Marymount Manhattan College Sciences Division Chair will review implementation of the agreement once every four years to ensure that students are adequately informed of the program and to identify issues requiring attention.

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

After transfer into the Marymount Manhattan major, the performance of Bronx Community College students will be tracked via the Marymount Manhattan Office of Institutional Advancement.

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

Notice of articulation will be placed in the respective catalogues, recruiting brochures and the Transfer Center website.

Respective transfer and academic advisers will be informed and provided with copies of this agreement.

Marymount Manhattan College Admissions Office will attend BCC's annual Transfer Day event.

F. Scholarship Information

BCC students who have completed 12 non-remedial credits are encouraged to apply for the Kaplan Foundation Leadership program that includes scholarships for associate degrees (up to \$3000 per year) and bachelor's degrees (up to \$25,000 per year) and additional funding to assist with living expenses. Information is available at www.kaplanedfoundation.org.

Scholarships for Community College Graduates; Students may receive one of the following awards for academic merit:

- Phi Theta Kappa/Transfer Academic Excellence Award (minimum 3.5 grade point average). Eligible students may receive up to \$4,000 per year. Renewable provided student maintains the requisite grade point average while enrolled at MMC.
- Student Leadership Scholarship: Available to full-time entering freshmen or transfer students. Eligible students receive \$2,000. Renewable upon participation in required leadership activities while enrolled at MMC.

G. Disclaimer and Affirmative Action Statement

Disclaimer

Notwithstanding anything contained in this guide, MMC expressly reserves the right, whenever it deems advisable, (1) to change or modify its schedule of tuition and fees; (2) to withdraw, cancel, reschedule or modify any course, program of study, degree or any requirement or policy in connection with the foregoing, and (3) to change or modify any academic or other policy.

Affirmative Action

MMC supports Affirmative Action and Equal Opportunity and does not discriminate against individuals or groups on the basis of race, sex, age, national origin, religion, disability, or veteran status.

Attachment I: Course Equivalencies

BCC			MMC		
ECO 11	Microeconomics	3	ECO 213	Principles of Microeconomics	3
ECO 12	Macroeconomics	3	ECO 210	Principles of Macroeconomics	3
EDU 50	Creativity and the Arts for the Early Childhood and Childhood Years	3	EDUC 220	The Arts and Education	3
ENG 10	ENG 10 Fundamentals of Composition and Rhetoric	3	WRIT 101	Writing Seminar I	3
ENG 11	Compositions and Rhetoric I	3	WRIT 101	Writing Seminar I	3
ENG 53	The Black Writer in American Literature	3	ENG 276	African American Authors	3
ENG 56	Children's Literature	3	ENG 211	Children's Literature	3
ENG 61	Shakespeare	3	ENG 311	Shakespeare	3
FRN 11	Beginning French I	4	FREN 101	Elementary French I	3
FRN 12	Beginning French II	4	FREN 102	Elementary French II	3
FRN 13	Intermediate French	4	FREN 201	Intermediate French I	3
HIS 10	History of the Modern World				
HIS 11	Introduction to the Modern World	3	HIST 220	Modern Europe	3
HIS 13	History of the Ancient World	3	HIST 215	Ancient Worlds: Foundations of World Civilization	3
HIS 27	Modern History of the Far East	3	HIST 237	Modern East Asia	3
HIS 35	History of Africa	3	HIST 241 or 243	Introduction to Africa/Modern Africa	3
HIS 37	African -American History	3	HIST 244/246	African American History: Black Atlantic Diaspora <i>OR</i> African American History: Since Reconstruction	3
ITL11	Beginning Italian I	3	Shared Curric. Sec. D. 100-200 level.	Students who complete these courses will be deemed as having fulfilled the 100 or 200 level Language and Literature requirement at Marymount.	3
ITL 12	Beginning Italian II	3			
ITL 13	Intermediate Italian	3			
LAW 65	Criminal Law Procedures	3	PS 107	Introduction to Criminal Justice	3
PHL 11	Introduction to Philosophy	3	PHIL 101	Introduction to Philosophy	3
PHY 11	College Physics I	4	PHYS 261 or 201	General Physics I or Introduction to Physics	4
PHY 12	College Physics II	4	PHYS 262	General Physics II	4
POL 11	American National Government	3	PS 106	Introduction to Politics and Government	3
POL 31	Comparative Government	3	PS 231	Comparative Politics	3

POL 51	Urban Politics	3	PS 263	Power and Politics in the City	3
PSY 11	Psychology	3	PSYCH 101	General Psychology: Social and Clinical Processes	3
BCC			MMC		
PSY 22	Social Psychology	3	PSYCH 235	Social Psychology	3
PSY 41	Psychology of Infancy and Childhood	3	PSYCH 201	Developmental Psychology I: Child Psychology	3
PSY 42	Psychology of Adolescence and Adulthood	3	PSYCH 216	Developmental Psychology II: Adult Years	3
PSY 44	Psychology of Women	3	PSYCH 311	Psychology of Women	3
PSY 51	Principles of Group Dynamics	3	PSYCH 313	Group Dynamics	3
PSY 81	Field Work and Seminar in Psychology I	3	PSYCH 299	Internship	3
SOC 11	Sociology	3	SOC 101	General Sociology	3
SOC 35	Introduction to Social Work	3	SOC 105	Introduction to Social Work	3
SPN 11	Beginning Spanish I	4	SPAN 101	Elementary Spanish I	3
SPN 12	Beginning Spanish II	4	SPAN 102	Elementary Spanish II	3
SPN 13	Intermediate Spanish	4	SPAN 201	Intermediate Spanish I	3
SPN 14	Practical Writing Skills for Spanish Speaking Students	3	SPAN 313	Advanced Grammar Composition and Translation I	3
SPN 17	Advanced Spanish Conversation	4	SPAN 207	Spanish Conversation	3
SPN 20	Advanced Spanish Composition and Creative Writing	3	SPAN 314	Advanced Grammar Composition and Translation II	3
SPN 21	Spanish Language and Culture	4	SPAN 315	Hispanic Civilization	3
SPN 22	Latin-American Language and Culture	4	SPAN 343 or 344	Survey of Latin American Literature I <i>OR</i> II	3
SPN 23	19th Century Literature: Romanticism and Realism	3	SPAN 342	Survey of Spanish Literature II	3
SPN 24	Don Quixote and Other Cervantes Masterpieces	3	SPAN 423	Miguel de Cervantes	3
SPN 25	Generation of 1898	3	SPAN 342	Survey of Spanish Literature II	3
SPN 26	Spanish for Business Communication	3	SPAN 324	Spanish for Business and International Affairs	3
SPN 30	Puerto Rican Life and Culture I	4	SPAN 343	Survey of Latin American Literature I	3
SPN 31	Puerto Rican Life and Culture II	4	SPAN 344	Survey of Latin American Literature II	3