

Four-Year Academic Plan

Student Name _____ Student ID _____ Major: **Biology AS/ Cell and Molecular Biology BS**

YEAR 1 at Queensborough Community College

Semester 1			Semester 2			Summer	
G	ENGL 101: English Composition I	3	G	ENGL-102 English Composition I	3		
M	MA 119: College Algebra	3	M	MA 440: Precalculus Mathematics	4		
M	BI 201: General Biology I	4	M	BIO 202: General Biology II	4		
M	MA 121: Trigonometry	1	G	Creative Expression	3		
G	SP 211: Speech Communication	3	G	HE-101 Personal Health and Wellness or HE-102 Health, Behavior and Society	1-2		
G	PE 400, PE 500, or DAN 100 series	1					Total Hours
Total Hours		15	Total Hours		15-16		

YEAR 2 at Queensborough Community College

Semester 1			Semester 2			Summer	
M	BI 203: Cell Biology	3	M	CH 152: General Chemistry II	4.5		
M	MA 441: Analytic Geometry and Calculus	4	M	Major Elective Biology Course*	4		
M	CH 151: General Chemistry I	4.5	M	Major Elective Biology Course*	4		
G	Individual and Society	3	G	World Cultures and Global Issues	3		
Total Hours		14.5	Total Hours		15.5		Total Hours

G GenEd | M Major | E Elective

Comments:

*Students are advised to consult with an advisor on course selection.

CUNY JUSTICE ACADEM^Y

JOHN JAY COLLEGE
in partnership with
QUEENSBOROUGH COMMUNITY COLLEGE



Four-Year Academic Plan

Student Name _____ Student ID _____ Major: **Biology AS/ Cell and Molecular Biology BS**

YEAR 3 at John Jay from Queensborough Community College

Semester 1			Semester 2			Summer	
G	300-Level Justice Core	3	M	BIO 205: Eukaryotic Cell Biology	3		
M	MAT 301: Probability and Statistics I	3	M	CHE 202: Organic Chemistry II	4		
M	CHE 201: Organic Chemistry I	4	M	PHY 102: College Physics II	4		
M	PHY 101: College Physics I	4	M	Biology Elective Course	4		
Total Hours		14	Total Hours		15	Total Hours	

YEAR 4 at John Jay from Queensborough Community College

Semester 1			Semester 2			Summer	
M	CHE 315: Biochemistry	4	M	Capstone: BIO 488 or FOS 402	3		
M	BIO 315: Genetics	3	M	BIO 412: Molecular Biology	4		
M	Biology Elective Course	2	M	Biology Elective Course	3		
M	Biology Elective Course	3	E	Elective	3		
E	Communications or Learning from the Past*	3	E	Elective	3		
Total Hours		15	Total Hours		16	Total Hours	

G GenEd | M Major | E Elective

Comments

*If still needed.

This plan assumes that students are transferring to John Jay College with 60 credits. Students are required to earn 120 total credits in order to graduate with the BS degree.

Four-Year Academic Plan

Student Name _____ Student ID _____ Major: **Biology AS/ Toxicology BS**

YEAR 1 at Queensborough Community College

Semester 1			Semester 2			Summer	
G	ENGL 101: English Composition I	3	G	ENGL-102 English Composition I	3		
M	MA 119: College Algebra	3	M	MA 440: Precalculus Mathematics	4		
M	BI 201: General Biology I	4	M	BIO 202: General Biology II	4		
M	MA 121: Trigonometry	1	G	Creative Expression	3		
G	SP 211: Speech Communication	3	G	HE-101 Personal Health and Wellness or HE-102 Health, Behavior and Society	1-2		
G	PE 400, PE 500, or DAN 100 series	1					
Total Hours		15	Total Hours		15-16	Total Hours	

YEAR 2 at Queensborough Community College

Semester 1			Semester 2			Summer	
M	BI 203: Cell Biology	3	M	CH 152: General Chemistry II	4.5		CHE 251: Organic Chemistry I 5
M	MA 441: Analytic Geometry and Calculus	4	M	Major Elective Biology Course*	3-4		
M	CH 151: General Chemistry I	4.5	M	Major Elective Biology Course*	4		
G	Individual and Society	3	G	World Cultures and Global Issues	3		
Total Hours		14.5	Total Hours		14.5-15.5	Total Hours 5	

G GenEd | M Major | E Elective

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Four-Year Academic Plan

Student Name _____ Student ID _____ Major: **Biology AS/ Toxicology BS**

YEAR 3 at John Jay from Queensborough Community College

Semester 1			Semester 2			Summer		
G	300-Level Justice Core	3	M	PHY 102: College Physics II	4	M	CHE 315: Biochemistry	4
M	CHE 202: Organic Chemistry II	4	M	TOX 313: Toxicology of Environmental and Industrial Agents	3			
M	PHY 101: College Physics I	4	M	BIO 376: Human Anatomy and Physiology II	4			
M	BIO 375: Human Anatomy and Physiology I	4	E	Communications or Learning from the Past*	3			
Total Hours		15	Total Hours		14	Total Hours		4

YEAR 4 at John Jay from Queensborough Community College

Semester 1			Semester 2			Summer		
M	TOX 425: Techniques of Analytical Toxicology	4	M	Capstone: TOX 401 or FOS 402	3			
M	TOX 426: Analytical & Quant. Toxicology Lab	2	M	TOX 430: Principals of Pharmacological Toxicology	3			
M	Part Three Major Elective	3-4	M	Part Three Major Elective	3-4			
E	Elective	3	M	MAT 301: Probability and Statistics I	3			
E	Elective	3						
Total Hours		15-16	Total Hours		12-13	Total Hours		

G GenEd | M Major | E Elective

Comments:

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