

LAST NAME: \_\_\_\_\_ FIRST NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ EMAIL ADDRESS: \_\_\_\_\_ @ \_\_\_\_\_ CUNYFirst ID: \_\_\_\_\_

CREDIT HOURS EARNED AT JOHN JAY: \_\_\_\_\_ TRANSFER STUDENT: Y / N

ACADEMIC ADVISEMENT FOR: FALL \_\_\_\_\_ SPRING \_\_\_\_\_ WINTER \_\_\_\_\_ SUMMER \_\_\_\_\_

PREVIOUS DEGREE COMPLETE? (CIRCLE ONE) AS BA BS N/A FROM WHAT COLLEGE? \_\_\_\_\_

*\*In addition to the courses enumerated below, students must fulfill the college General Education Requirements*

PART ONE: GENERAL SCIENCE FOUNDATION <i>Required</i> Subtotal: 40 credits					
<u>COURSE</u>	<u>COURSE TITLE</u>	<u>IP, COMPLETED or EXEMPT</u>	<u>NEED PRE-REQ CO-REC</u>	<u>PLANNING AHEAD (semester and year)</u>	<u>COMMENTS</u>
BIO 103 or BIO 101-102	Modern Biology I or Paced Modern Biology IA & IB		MAT 105, MAT 141 or MAT 151		
BIO 104	Modern Biology I		BIO101 and BIO 102 or BIO 103		
CHE 103 or CHE 101-102	General Chemistry I or Paced General Chemistry IA & IB		MAT 141 or MAT 151 MAT 105 or MAT 141		
CHE 104	General Chemistry II		CHE 102 or CHE 103 MAT 141 or MAT 151	Spring and Summer only	
CHE 201	Organic Chemistry I		ENG 101 and CHE 104		
CHE 202	Organic Chemistry II		CHE 201		
MAT 151	Calculus I		ENG 101 and MAT 141		
MAT 301	Probability and Statistics		ENG 201 and MAT 151		
PHY 101	College Physics I (Liberal Arts Physics)		MAT 105 or MAT 108 or MAT 141 OR MAT 151		
PHY 102	College Physics II (Liberal Arts Physics)		PHY 101		
*PHY 203 + PHY 204	*Optional. Can substitute for PHY 101 + PHY 102		ENG 101, MAT 151 PHY 203, MAT 152 and ENG 101		

PART TWO: BIOLOGY CORE <i>Required</i> Subtotal: 14 credits					
<u>COURSE</u>	<u>COURSE TITLE</u>	<u>IP, COMPLETED or EXEMPT</u>	<u>NEED PRE-REQ</u>	<u>PLANNING AHEAD (semester and year)</u>	<u>COMMENTS</u>
BIO 205	Eukaryotic Cell Biology		ENG 101, BIO 104, CHE 103 (or CHE 101 + CHE 102)		
BIO 315	Genetics		ENG 201, BIO 103, BIO 104 (or BIO 101 + BIO 102)		
BIO 412	Molecular Biology		ENG 201, BIO 315, CHE 315		
CHE 315	Biochemistry		ENG 201, BIO 104, CHE 202, PHY 204, (or PHY 102 and MAT 151)		



**PART THREE: BIOLOGY** *ELECTIVES* **Subtotal: 12-14 credits**

**Choose 4-5 Courses. At least 1, but not more than 2, lab courses required. Students must complete at least 12 credits of electives.**

<u>COURSE</u>	<u>COURSE TITLE</u>	<u>IP, COMPLETED or EXEMPT</u>	<u>NEED PRE-REQ</u>	<u>PLANNING AHEAD (semester and year)</u>	<u>COMMENTS</u>
BIO 211	Microbiology		ENG 101, BIO 104, CHE 103 (or CHE 101 + CHE 102)		
BIO 212	Microbiology with Laboratory		ENG 101, CHE 103, (or CHE 101 + CHE 102) and BIO 211		
BIO 255	Biology of Gender & Sexuality		ENG 201, + one 3 credit STEM Variant science		
BIO 355	Human Physiology		ENG 201, BIO 104 (or BIO 101 + BIO 102) and CHE 102 or CHE 103		
BIO 356	Human Anatomy & Physiology with Laboratory		ENG 201, pre or co-requisite: BIO 355		
BIO 360	Human Pathology		ENG 201, BIO 104	(Fall only)	
BIO 364	Forensic Pathology		ENG 201, BIO 104	(Spring only)	
BIO 380.	Selected Topics in Biology		ENG 201, BIO 205, BIO 315, CHE 201		
BIO 382	Selected Topics in Biology with Laboratory		ENG 201, BIO 205, BIO 315, CHE 201		
BIO 413	Forensic DNA Analysis and Interpretation		ENG 201, BIO 412	(Spring only)	
BIO 488*	CMB Capstone Course		ENG 201, BIO 205, BIO 315, CHE 315	(Spring only)	
TOX 313	Toxicology of Environmental and Industrial Agents		ENG 201 and CHE 201 - CHE 202		

\*NOTES: BIO 488 may be taken as an elective only if FOS 402 is taken as the capstone. Consult the major coordinator. Students may repeat this course

**Lab only choices:**

<u>COURSE</u>	<u>COURSE TITLE</u>	<u>IP, COMPLETED or EXEMPT</u>	<u>NEED PRE-REQ</u>	<u>PLANNING AHEAD</u>	<u>COMMENTS</u>
BIO 212	Microbiology Lab		ENG 101, CHE 103, (or CHE 101 + CHE 102) co-requisite: BIO 211		
BIO 356	Human Anatomy and Physiology Laboratory		ENG 201, Pre or Co-requisite: BIO 355		

**CAPSTONE COURSE** *Choose one* **Subtotal: 3 credits**

<u>COURSE</u>	<u>COURSE TITLE</u>	<u>IP, COMPLETED or EXEMPT</u>	<u>NEED PRE-REQ</u>	<u>PLANNING AHEAD (semester and year)</u>	<u>COMMENTS</u>
BIO 488	Cell and Molecular Biology Capstone Course		ENG 201, BIO 205, BIO 315, CHE 315	(Spring only)	
FOS 402	Undergraduate Research Internship		ENG 201, senior standing, major in CMB and permission		

Advisor Name \_\_\_\_\_ Advisor Signature \_\_\_\_\_

Student Name \_\_\_\_\_ Student Signature \_\_\_\_\_