

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**

**Subtotal: 40 credits**

***Required***

<u>COURSE</u>	<u>COURSE TITLE</u>	<u>IP, COMPLET ED or EXEMPT</u>	<u>NEED PRE-REQ</u>	<u>PLANNING AHEAD (semester and year)</u>	<u>COMMENTS</u>
BIO 103 or BIO 101-102	Modern Biology I <u>or</u> Paced Modern Biology IA & IB		Placement		
BIO 104	Modern Biology I		BIO I		
CHE 103 or CHE 101- 102	General Chemistry I <u>or</u> Paced General Chemistry IA & IB		Math 141 Pre-Calculus		
CHE 104	General Chemistry II		CHE I		
CHE 201	Organic Chemistry I		CHE II		
CHE 202	Organic Chemistry II		CHE 201		
MAT 241	Calculus I		MAT 141 Pre-Calculus		
MAT 301	Probability and Statistics		MAT 241 or placement		
PHY 101	College Physics I (Liberal Arts Physics)		HS Math Level III or Trigonometry		
PHY 102	College Physics II (Liberal Arts Physics)		PHY 101		
*PHY 203 + PHY 204	*Optional. Can substitute for PHY 101 + PHY 102		MAT 242 Pre-or co-requisite with PHY 203		

**PART TWO: BIOLOGY CORE**

**Subtotal: 14 credits**

***Required***

<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		BIO 104, CHE 103 (or CHE 101 + 102)		
BIO 315	Genetics		BIO 104, MAT 301 or STA 250, or with permission		
BIO 412	Molecular Biology		BIO 315, CHE 315		
CHE 315	Biochemistry		CHE 202, PHY 204, BIO 104		

**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		BIO 104, CHE 103		
BIO 212	Microbiology with Laboratory		ENG 101, CHE 103, BIO 211		
BIO 255	Biology of Gender & Sexuality		ENG 201, + one 3 credit STEM Variant science		
BIO 355	Human Physiology		ENG 201, BIO 104 and 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		
BIO 364	Forensic Pathology		ENG 201, BIO 104		
BIO 380	Selected Topics in Biology		ENG 201, BIO 205, BIO 315		
BIO 382	Selected Topics in Biology with Laboratory		Same as Above		
BIO 413	Forensic DNA Analysis and Interpretation		ENG 201, BIO 412		
BIO 488*	CMB Capstone Course		ENG 201, BIO 205, BIO 315, CHE 315		
TOX 313	Toxicology of Environmental and Industrial Agents		ENG 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, BIO 211; co-requisite: BIO 211		
BIO 356	Human Anatomy and Physiology Laboratory		ENG 201, Pre or Co-requisite: BIO 355		

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

<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		
FOS 402	Undergraduate Research Internship		ENG 201, senior standing, major in CMB and permission		

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

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

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

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