



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

TELEPHONE: \_\_\_\_\_ EMAIL ADDRESS: \_\_\_\_\_@jjay.cuny.edu CUNY First 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, students must fulfill the college General Education Requirements

COURSE	COURSE TITLE	IP, COMPLETED or EXEMPT	NEED PRE-REQ or CO-REQ	PLANNING AHEAD (semester / year)	COMMENTS
<b>Part I: General Science Foundation (40 Credits)</b>					
BIO 103 or BIO 101-102	Modern Biology I or Paced Modern Biology IA & IB		MAT 141 or MAT 151 (for BIO 103) MAT 105 or MAT 141 (for BIO 101/102)		
BIO 104	Modern Biology II		BIO 102, BIO 103		
CHE 103 or CHE 101-102	General Chemistry I or Paced General Chemistry IA & IB		MAT 141 or MAT 151 (for CHE 103) MAT 105 or MAT 141 (for CHE 101/102)		
CHE 104	General Chemistry II		CHE 102 or CHE 103 MAT 141 or MAT 151	Spring and Summer only	
MAT 151	Calculus I		MAT 141		
CHE 201	Organic Chemistry I		ENG 101 and CHE 104		
CHE 202	Organic Chemistry II		CHE 201		
MAT 301	Probability & Statistic I		ENG 201, Math 241 or placement		
PHY 101	College Physics I		MAT 105 or MAT 108 or MAT 141 or MAT 151 (or higher)	PHY 203 is okay (with MAT152 as co-req)	
PHY 102	College Physics II		PHY 101	PHY 204 is okay	
<b>Part II: Toxicology Core (18 Credits)</b>					
BIO 355	Human Physiology		ENG 201 BIO 104, CHE 102 or CHE 103		
CHE 315	Biochemistry		ENG 201, BIO 104, CHE 202, PHY 102 or PHY 204, MAT 151		
TOX 313	TOX of Environment & Industrial Agents		CHE 202, ENG 201		
TOX 425	Techniques of Analytical Toxicology		BIO 355, CHE 315, TOX 313 ENG 201	Fall Only	
TOX 426	Analytical & Quantitative Toxicology Laboratory		BIO 355, CHE 315, TOX 313 ENG 201 (TOX 425)	Fall Only-Pre or Co- requisite: TOX 425	
TOX 430	Principles of Pharmacological Toxicology		BIO 355, CHE 315, TOX 313 ENG 201	Spring Only	
<b>Part III: Electives (5-7 Credits) – Choose two courses (One in each category)</b>					
<b>Category A. Toxicology Electives --- choose one</b>					
TOX 336	Principles of Forensic Toxicology		ENG 201, BIO 355, CHE 315, TOX 313 or permission of department	Fall Only	
TOX 338	Cellular & Molecular Toxicology		ENG 201, BIO 104, CHE 202	Spring Only	
TOX 340	Clinical Toxicology		ENG 201, BIO 104, CHE 202	Spring Only	
<b>Category B. Biology / Chemistry Electives --- choose one</b>					
BIO 205	Eukaryotic Cell Biology		BIO 104, CHE 103, ENG 101		
BIO 211	Microbiology		BIO 104, CHE 103, ENG 101		
BIO 315	Genetics		ENG 201, BIO 103, BIO 104		
BIO 356	Human Anatomy & Physiology Lab		ENG 201, BIO 355	Pre or Co-req: BIO 355	
CHE 361	Inorganic Chemistry		ENG 201 & CHE 202		
CHE 220	Quantitative Analysis		ENG 101 and CHE 104		
CHE 302	Physical Chemistry II		ENG 201, CHE 104, PHY 204, MAT 241 or above		
BIO 360	Human Pathology		ENG 201, BIO 104	Fall only	
BIO 364	Forensic Pathology		ENG 201, BIO 104	Spring only	
<b>Part IV: Capstone Course (3 Credits) --- choose one</b>					
TOX 401	Capstone Experience in Toxicology		ENG 201, BIO 355, CHE 315, TOX 313	Spring Only	
FOS 402	Undergraduate Research Internship		ENG 201		

Advisor Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Student Signature: \_\_\_\_\_