

# CCNY Biochemistry Undergraduate Student Advising Form

Complete this form, email it to your advisor, and print the first page to bring to your advising meeting.

Course registration is blocked by default prior to advising. CCAPP will un-block registration after receiving your signed advising form.

Name: \_\_\_\_\_  
 CCNY Email Address: \_\_\_\_\_  
 CCNY EMPLID (8 digits): \_\_\_\_\_  
 Faculty Advisor's Name: \_\_\_\_\_

All information on this form is subject to change.  
 Information in the CCNY Bulletin supersedes information  
 on this form when discrepancies exist.

## Required courses for a CCNY B.S. in Biochemistry

Use the drop-down list(s) for each course. **All required BIOCHEM courses and all BIOCHEM course prerequisites must be passed with a grade of C or better.**

Course	Name	Cr	Grade
Chem 10301	General Chemistry I & Lab	4	
Chem 10401	General Chemistry I & Lab	4	
Math 20100	Anal. Geom. & Calculus I	3	
Math 21200	Anal. Geom. & Calculus II	3	
Phys 20700	General Physics I	4	
Phys 20800	General Physics II	4	
Bio 10100	General Biology I	4	
Bio 10200	General Biology II	4	
	Science	4	
	Math		
Chem 24300	Quantitative Analysis	4	
Chem 26100	Organic Chemistry I	3	
Chem 26200	Organic Chemistry Lab I	2	
Chem 26300	Organic Chemistry II	3	
Chem 33000	Physical Chemistry I	3	
Chem 37400	Organic Chemistry Lab II	3	
Chem 32002	Biochemistry I	3	
Chem 32004	Biochemistry Lab I	2	
Chem 43500	Physical Biochemistry	5	
Chem 48005	Biochemistry II	3	

## Additional Biochemistry Courses (Optional, some required for ACS certification)

Fill in the requested information for all additional courses that count towards the biochemistry major.

Course	Name	Cr	Grade

## Other requirements to graduate in Biochemistry

CCNY Credit Requirement: Earn at least 120 credits

CCNY Residency Requirement: Earn at least 80 credits at CCNY (not transferred from another institution) or complete the last 30 credits of the degree at CCNY

Biochemistry Credit Requirement: Earn 60 credits in Biochemistry major.

Biochemistry Residency Requirement: Earn at least 60% of Biochemistry major at CCNY.

Biochemistry GPA Requirement: A GPA greater than or equal to 2.0 in Biochemistry courses is required to remain in the major and to graduate.

**Faculty Advisor Signature**

**Date**

[To be signed after advising & before registration each semester.]

## Course Record & Plan

Under the appropriate school term and year that you select, provide the name (e.g., Chem 10301), number of credits, and grade for every CCNY course you have taken or are taking, then list all courses you plan to take before graduation. (Include courses taken by ePermit while at CCNY using their CCNY equivalent and marking with an asterisk, e.g. "Chem 26100\*")

Courses	Cr	Grades	Courses	Cr	Grades
<b>Term:</b>			<b>Term:</b>		
<b>Term:</b>			<b>Term:</b>		
<b>Term:</b>			<b>Term:</b>		
<b>Term:</b>			<b>Term:</b>		
<b>Term:</b>			<b>Term:</b>		
<b>Term:</b>			<b>Term:</b>		
<b>Term:</b>			<b>Term:</b>		

**Head Biochemistry Major Advisor Signature– GradCheck Date**  
 This student has fulfilled all requirements for the Biochemistry Major

[To be signed during final semester.]

**Biochemistry Majors must satisfy all of CCNY's General Education requirements in addition to the requirements for the major. The Science Advising Office (CCAPP) is responsible for compliance with graduation requirements not related to the biochemistry major.**

**Required courses<sup>0</sup> for all Biochemistry majors**

Course	Name	Cr	Prerequisites <sup>1</sup>	Corequisites <sup>2</sup>	Note	Fee	Terms Offered <sup>3</sup>			
							Fa	Wi	Sp	Su
CHEM 10301	<b>General Chemistry I</b>	4	Placement or MATH 19500 with grade of C or higher			\$30	A		A	A
CHEM 10401	<b>General Chemistry II</b>	4	Placement or CHEM 10301 with grade of C or higher			\$30	A		A	A
MATH 20100	<b>Anal. Geom. &amp; Calculus I</b>	3	Placement or MATH 19500 with grade of C or higher				A		A	A
MATH 21200	<b>Anal. Geom. &amp; Calculus II</b>	3	Placement or MATH 20100 with grade of C or higher				A		A	A
PHYS 20700	<b>General Physics I</b>	4	MATH 21200	MATH 21200		\$10	A		A	A
PHYS 20800	<b>General Physics II</b>	4	PHYS 20700, MATH 21300	MATH 21300		\$10	A		A	A
BIO 10100	<b>General Biology I</b>	4	MATH 19500 or MATH 20100 or MATH 20500	MATH 19500 or MATH 20100 or MATH 20500		\$10	A		A	A
BIO 10200	<b>General Biology II</b>	4	BIO 10100 with grade of C or higher or an equivalent course or instructor permission			\$10	A		A	A
BIO 22900	<b>Cell &amp; Molecular Biology</b>	4	BIO 20600			\$10	A		A	A
BIO 20600	<b>Introduction to Genetics</b>	4	BIO 10100 and BIO 10200 or equivalent				A		A	A
Math 21300	<b>Calc III</b>	4	Placement or MATH 21200 with grade of C or higher				A		A	A
CHEM 250	<b>Mathematics for PChem</b>	2	MATH 20100 with grade of C or higher, MATH 21200				A		A	A
CHEM 24300	<b>Quantitative Analysis</b>	4	CHEM 10401 Placement or CHEM 10401 with grade				A		A	A
CHEM 26100	<b>Organic Chemistry I</b>	3	of C or higher				A	A	A	A
CHEM 26200	<b>Organic Chemistry Lab I</b>	2	Placement or CHEM 26100 with grade of C or higher			\$30	A	A	A	A
CHEM 26300	<b>Organic Chemistry II</b>	3	Placement or CHEM 26100 with grade of C or higher							
CHEM 33000	<b>Physical Chemistry I</b>	3	Placement or CHEM 10401 with grade of C or higher. PHYS 20700 or PHYS 20800. CHEM 25000 or MATH 21300	Placement or PHYS 20800; CHEM 25000 or MATH 21300			A		A	A
CHEM 37400	<b>Organic Chemistry Lab II</b>	3	CHEM 27200 or the discretion of the chair and CHEM 26300			\$30	A		A	A
CHEM 32002	<b>Biochemistry I</b>	3	Placement or CHEM 26100 and BIO 10100 with grade of C or higher				A		A	A
CHEM 32004	<b>Biochemistry I Lab</b>	2	Placement or Chem 26300 with grade of C or higher			\$30	A		A	A
CHEM 43500	<b>Physical Biochemistry</b>	5	CHEM 24300, CHEM 26300, CHEM 33000, CHEM 32002			\$30			A	
CHEM 48005	<b>Adv Biochemistry</b>	3	CHEM 45902						A	

<sup>0</sup>Required BIOCHEM courses must be passed with grade of C or better. Other required courses must be passed with a D or better provided minimum GPA 2.0 is met.

<sup>1</sup>BIOCHEM prerequisites must be passed with grade of C or better. Other prereqs for BIOCHEM courses must be passed with D or better. Consult Bio/Math/Physics for minimum grades for prerequisites for their courses.

<sup>2</sup>May be taken at same time (if taken before, see footnote 1)

<sup>3</sup>Fa = Fall, Wi = Winter, Sp = Spring, Su = Summer; A = Always, S = Sometimes

**Honors & Independent Study courses (These courses count towards biochemistry major credit and biochemistry residency requirements.)**

Course	Name	Cr	Prerequisites	Reccomended	Note	Fee	Terms Offered <sup>3</sup>			
							Fa	Wi	Sp	Su
CHEM 30100	<b>Honors I</b>	3		CHEM 10301 & CHEM 10401	5,6		A		A	S
CHEM 30200	<b>Honors II</b>	3	CHEM 30100	CHEM 10301 & CHEM 10401	5,6		A		A	S
CHEM 30300	<b>Honors III</b>	3	CHEM 30100 & CHEM 30200	CHEM 10301 & CHEM 10401	5,6		A		A	S
CHEM 31001	<b>Independent Study</b>	1- 4		CHEM 10301 & CHEM 10401	6,7		A		A	S
CHEM 31002	<b>Independent Study</b>	1- 4	CHEM 31001	CHEM 10301 & CHEM 10401	6,7		A		A	S
CHEM 31003	<b>Independent Study</b>	1- 4	CHEM 31001 & CHEM 31002	CHEM 10301 & CHEM 10401	6,7		A		A	S
CHEM 31004	<b>Independent Study</b>	1- 4	CHEM 31001, CHEM 31002 & CHEM 31003	CHEM 10301 & CHEM 10401	6,7		A		A	S

