

THOMAS JEFFERSON UNIVERSITY
BACHELOR OF SCIENCE: CHEMISTRY

2021-20

Name		ID#		Cr	Sem.	Grade
LEVEL I (FIRST YEAR) – 32 credits			<i>(Prerequisite)</i>			
Hallmarks Core Courses – 19 credits						
FYS-100	Pathways Seminar (Fall) <small>(Not required for transfer students)</small>			1	<input type="checkbox"/>	
WRIT-101/G/S	Writing Seminar I <small>WRIT-100 may only be used to satisfy free elective credits</small>			3-4	<input type="checkbox"/>	
AMST-114	Topics in American Studies			3	<input type="checkbox"/>	
CHEM-113	Chemistry I Lecture (Fall)			3	<input type="checkbox"/>	
CHEM-113L	Chemistry I Lab (Fall)			1	<input type="checkbox"/>	
BIOL-103	Biology I Lecture (Fall)			3	<input type="checkbox"/>	
BIOL-103L	Biology I Lab (Fall)			1	<input type="checkbox"/>	
MATH-111	Calculus I (Fall)			4	<input type="checkbox"/>	
Science Core – 13 credits						
CHEM-114	Chemistry II Lecture (Spring)	<i>(CHEM-113)</i>		3	<input type="checkbox"/>	
CHEM-114L	Chemistry II Lab (Spring)	<i>(CHEM-113L)</i>		1	<input type="checkbox"/>	
BIOL-104	Biology II Lecture (Spring)	<i>(C- or better in BIOL-103)</i>		3	<input type="checkbox"/>	
BIOL-104L	Biology II Lab (Spring)	<i>(C- or better in BIOL-103L)</i>		1	<input type="checkbox"/>	
MATH-112	Calculus II (Spring)	<i>(MATH-111)</i>		4	<input type="checkbox"/>	
SCI-200	Scientific Research Methods (Fall)			1	<input type="checkbox"/>	
LEVEL II (SECOND YEAR) – 31-32 credits			<i>(Prerequisite)</i>			
Hallmarks Core Courses – 9-10 credits						
WRIT-20()	Writing Seminar II: Multimedia Comm. <small>WRIT 202 is for transfer students (4 cr)</small>	<i>(WRIT-101)</i>		3	<input type="checkbox"/>	
ETHIC-2()	Ethics	<i>(WRIT-101 and AMST-114)</i>		3	<input type="checkbox"/>	
GDIV-2()	Global Diversity <small>(includes 101-level World Languages)</small>	<i>(WRIT-101 and AMST-114)</i>		3	<input type="checkbox"/>	
Science Core – 19 credits						
MATH-331	Mathematical Methods (Fall)	<i>(MATH-112)</i>		3	<input type="checkbox"/>	
PHYS-201	Physics I Lecture (Fall)	<i>(MATH-112)</i>		3	<input type="checkbox"/>	
PHYS-201L	Physics I Lab (Fall)	<i>(MATH-112)</i>		1	<input type="checkbox"/>	
PHYS-203	Physics II Lecture (Spring)	<i>(PHYS-201/201L)</i>		3	<input type="checkbox"/>	
PHYS-203L	Physics II Lab (Spring)	<i>(PHYS-201/201L)</i>		1	<input type="checkbox"/>	
CHEM-201	Organic Chemistry I (Fall)	<i>(CHEM-114/114L)</i>		3	<input type="checkbox"/>	
CHEM-201L	Organic Chemistry I Lab (Fall)	<i>(CHEM-114/114L)</i>		1	<input type="checkbox"/>	
CHEM-202	Organic Chemistry II (Spring)	<i>(CHEM-201/201L)</i>		3	<input type="checkbox"/>	
CHEM-202L	Organic Chemistry II Lab (Spring)	<i>(CHEM-201/201L)</i>		1	<input type="checkbox"/>	
Free Electives - 3 credits						
()				3	<input type="checkbox"/>	
LEVEL III (THIRD YEAR) – 31 - 32 credits			<i>(Prerequisite)</i>			
Hallmarks Core Courses – 12 credits						
ADIV-2()	American Diversity	<i>(WRIT-101 and AMST-114)</i>		3	<input type="checkbox"/>	
GCIT-2()	Global Citizenship <small>(includes 201-level World Languages)</small>	<i>(WRIT-101 and AMST-114)</i>		3	<input type="checkbox"/>	
CGIS-300	Contemporary Global Issues	<i>(WRIT-201, and GDIV-2xx or GCIT-2xx)</i>		3	<input type="checkbox"/>	
ISEM-3()	Integrative Seminar	<i>(WRIT-201, and GDIV-2xx or GCIT-2xx)</i>		3	<input type="checkbox"/>	
Science Core – 19 - 20 credits						
BCHM-312	Biochemistry I	<i>(CHEM-202/202L)</i>		3	<input type="checkbox"/>	
BCHM-312L	Biochemistry Lab I	<i>(CHEM-202/202L)</i>		1	<input type="checkbox"/>	
BCHM-313	Biochemistry II	<i>(BCHEM-312)</i>		3	<input type="checkbox"/>	
BCHM-313L	Biochemistry Lab II	<i>(BCHEM-312 and 312L)</i>		1	<input type="checkbox"/>	
CHEM-305	Physical Chemistry I (Fall)			4	<input type="checkbox"/>	

(CHEM-202/202L, PHYS-203/203L, and pre or co-requisite MATH-112)

CHEM-306 Physical Chemistry II (Spring) (CHEM-305 and pre or co-requisite MATH-331) 4

Advanced Chemistry Electives (select from the designated electives below)
 () 3-4

LEVEL IV (FOURTH YEAR) – 29-31 credits (Prerequisite) Cr Sem. Grade

Hallmarks Core Courses – 3 credits

PHIL-499 Philosophies of the Good Life 3
 (ETHIC-2XX, ADIV-2XX, GCIT-2XX, GDIV-2XX, DBTG-3XX, Intgtv Sem., Sci Undstg, MATH1XX)

Science Core – 17-19 credits

Chemistry Core

CI CHEM-323 Instrumental Methods Analysis (Fall) Creative Intensive (CHEM-202/202L) 4

CHEM-309 Inorganic Chemistry (Spring) (CHEM-306) 4

Advanced Chemistry Electives (select from the designated electives below)

() 3-4

() 3-4

() 3

Free Electives - 9 credits

() 3

() 3

() 3

TOTAL CREDITS: 123-127

Advanced Chemistry Electives (Select four from these designated electives)

CHEM-371 (Spec Topics), CHEM-391/392 (Research) - CI, Chem-405 (Adv Organic), CHEM-410 (Polymer Chem), CHEM-417 (Env Chem), SCI-381/382 (Biochem), SCI-300 (Pharmacology)

Introductory and Fundamentals Courses: (Fundamental "099" courses do not count toward graduation requirements. However, 100 and ITXA-100 can be used toward graduation credits in the free electives category.)

MATH-099 Fundamentals of College Mathematics (must earn C or better) 3

Surplus credits not used toward degree requirements

	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

Please note Philadelphia University residency requirement:
 Philadelphia University has a residency requirement of 60 credits for Day Division students. Students must take a minimum of 60 credits – 12 cr must be within the major core; 9 credits must be in the Hallmarks Core in order to be eligible for a B.S. degree.

This form should be used as a worksheet in conjunction with the catalog and the Hallmarks Core “menu” of options. Please refer to the Philadelphia University catalog for questions regarding curriculum and academic policies.

COURSE STATUS: = course to take next semester = course currently being taken = course completed

TR Equiv.

TR Equiv.

TR Equiv.

TR Equiv.

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WRIT-

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