THOMAS JEFFERSON UNIVERSITY

BACHELOR OF SCIENCE: BIOCHEMISTRY

2023-2024

	Name			ID#			
LEVEL	I (FIRST YEAR) - 3	2-33 credits	(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
Hallr	marks Core Course	s - 19-20 credits					
	FYS-100	Pathways Seminar (Fall)		1			
	WRIT-101/G/S	(Not required for transfer students) Writing Seminar I WRIT-100 may only be used to satisfy free elective credits		3-4			
	AVIS-101	American Visions		3			
	CHEM-113	Chemistry I Lecture (Fall)	(pre or co-req MATH-102 or higher)	3			
	CHEM-113L	Chemistry I Lab (Fall)	(pre or co-req MATH-102 or higher)	1			
	BIOL-103	Biology I Lecture (Fall)		3			
	BIOL-103L	Biology I Lab (Fall)		1			
	MATH-111	Calculus I (Fall)		4			
Scie	nce Core - 13 cred	lits					
	CHEM-114	Chemistry II Lecture (Spring)	(CHEM-113)	3			
	CHEM-114L	Chemistry II Lab (Spring)	(CHEM-113L)			-	
	BIOL-104	Biology II Lecture (Spring)	(C- or better in BIOL-103)	3			
	BIOL-104L	Biology II Lab (Spring)	(C- or better in BIOL-103L)				
	MATH-112	Calculus II (spring)	(MATH-111)				
	CHEM-1xx	Scientific Research Methods (Fall)					
LEVEL	II (SECOND YEAR) -	- 31 credits	(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
Hallr	marks Core Course	s - 9 credits					
	WRIT-201	Writing Seminar II: Multimedia Comm.	(WRIT-101)	3			
	ETHC-2()	Ethics	(WRIT-101 and AVIS-101)	_		-	-
	GDIV-2()	Global Diversity	(WRIT-101 and AVIS-101)			-	-
	G.3.1 =()	(includes 101-level World Languages)		Ū			
<u>Scie</u>	nce Core - 19 cred	lits					
	MATH-331	Mathematical Methods (Fall)	(MATH-112)	3			
	PHYS-201	Physics I Lecture (Fall)	(MATH-112)	3			
	PHYS-201L	Physics I Lab (Fall)	(MATH-112)	1			-
	PHYS-203	Physics II Lecture (Spring)	(PHYS-201/201L)	3			
	PHYS-203L	Physics II Lab (Spring)	(PHYS-201/201L)	1			
	CHEM-201	Organic Chemistry I (Fall)	(CHEM-114/114L)	3			
	CHEM-201L	Organic Chemistry I Lab (Fall)	(CHEM-114/114L)	1			
	CHEM-202	Organic Chemistry II (Spring)	(CHEM-201/201L)	3			
	CHEM-202L	Organic Chemistry II Lab (Spring)	(CHEM-201/201L)	1			
<u>Free</u>	Electives - 3 credit	ts					
	()	-		3			
LEVEL	III (THIRD YEAR) -	31 - 32 credits	(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
Hallr	marks Core Course	<u>s</u> - 12 credits					
	ADIV-2()	American Diversity	(WRIT-101 and AVIS-101)	3			
	GCIT-2()	Global Citzenship	(WRIT-101 and AVIS-101)	3			
		(includes 201-level World Languages)					
	CGIS-300	Contemporary Global Issues	(WRIT-201, and GDIV-2xx or GCIT-2xx))				
	ISEM-3()	Integrative Seminar	(WRIT-201, and GDIV-2xx or GCIT-2xx))	3			
<u>Scie</u>	nce Core - 19 - 20	credits					
	BCHM-312	Biochemistry I	(CHEM-202/202L)	3			
	BCHM-312L	Biochemistry Lab I	(CHEM-202/202L)	1			
	BCHM-313	Biochemistry II	(BCHEM-312)	3			
	BCHM-313L	Biochemistry Lab II	(BCHEM-312 and 312L)	1			
	CHEM-305	Physical Chemistry I (Fall)		4			
	CHEM 206		03/203L, and pre or co-requisite MATH-112)	1	П		
	CHEM-306	Physical Chemistry II (Spring) (C Stry Electives (select from the designated electives below)	HEM-305 and pre or co-requisite MATH-331)	4			-
24	Advanced Chemi	Suly Liboures (select from the designated electives below)		3-4			
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VEL	IV (FOURTH YEAR) -	- 29-31 credits (F	Prerequisite)	Cr	Sem.	Grade	
Hallr	marks Core Courses	- 3 credits					
	PHIL-499	Philosophies of the Good Life (CGIS-300, ETHC-2XX, ADIV-2XX, MATH-1XXX, GCIT-2XX, GDIV-2XX, ISEM-3XX,	Sci Undstg)	3		-	
Scie	<u>nce Core</u> - 17-19 c	redits					
	Chemistry Core						
CI	CHEM-323	Instrumental Methods Analysis (Fall) - Creative Intensive (CHEM-	-202/202L)	4			
	CHEM-309	Inorganic Chemistry (Spring)	(CHEM-306)	4			
	Advanced Chemis	stry Electives (select from the designated electives below)					
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-ree	Electives - 9 credits	3					
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©	BIOL-204/204L (Ce Organic), MATH-213 completion of COMI CHEM-417/417L (E Introductory and	ell Bio), BIOL-391/392 (Research), CHEM-391/391 (Research) - Cl, SCI-381/381 (Ind St 3 (Calculus III) BIOL-207/207L (Principle of Gene), BIOL-256/256L (Molecular Gene), ST P-101, COMP-102, and COMP-103), CHEM-206/206L (Forensic Chem), CHEM-310 (Intr	TAT-301 (Bi	ostati dustr	stics, may I y), CHEM-4:	be replaced 10 (Polyme	I with the
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