

THOMAS JEFFERSON UNIVERSITY
BACHELOR OF SCIENCE: PRE-MEDICAL STUDIES

2023-2024

Name _____

ID# _____

LEVEL I (FIRST YEAR) – 27-28 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmark Core Courses – 19-20 credits

FYS-100	Pathways Seminar: Preparing for Academic & Professional Success		1	<input type="checkbox"/>	_____	_____
WRIT-101/G/S	Written Communication <small>WRIT-100 may only be used to satisfy free elective credits</small>		3-4	<input type="checkbox"/>	_____	_____
AVIS-101	American Visions		3	<input type="checkbox"/>	_____	_____
CHEM-103	Chemistry I Lecture (Fall)	<small>(pre or co-req MATH-102 or higher)</small>	3	<input type="checkbox"/>	_____	_____
CHEM-103L	Chemistry I Lab (Fall)	<small>(pre or co-req MATH-102 or higher)</small>	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		4	<input type="checkbox"/>	_____	_____

Science Core – 8 credits

CHEM-104	Chemistry II Lecture (Spring)	<small>(C- or better in CHEM-103/L)</small>	3	<input type="checkbox"/>	_____	_____
CHEM-104L	Chemistry II Lab (Spring)	<small>(C- or better in CHEM-103/L)</small>	1	<input type="checkbox"/>	_____	_____
BIOL-104	Biology II Lecture (Spring)	<small>(C- or better in BIOL-103/L)</small>	3	<input type="checkbox"/>	_____	_____
BIOL-104L	Biology II Lab (Spring)	<small>(C- or better in BIOL-103/L)</small>	1	<input type="checkbox"/>	_____	_____

LEVEL II (SECOND YEAR) – 38 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmark Core Courses – 13 credits

MATH-112	Calculus II	<small>(MATH-111)</small>	4	<input type="checkbox"/>	_____	_____
ADIV-2()	American Diversity	<small>(WRIT-101, AVIS-101)</small>	3	<input type="checkbox"/>	_____	_____
GDIV-2()	Global Diversity	<small>(WRIT-101, AVIS-101)</small>	3	<input type="checkbox"/>	_____	_____
	<small>Includes World Languages at any level</small>					
WRIT-201	Writing Seminar II: Multimedia Comm.	<small>(WRIT-101)</small>	3	<input type="checkbox"/>	_____	_____

Science Core – 11 credits

CHEM-201	Organic Chemistry I (Fall)	<small>(C- or better in CHEM-104/104L)</small>	3	<input type="checkbox"/>	_____	_____
CHEM-201L	Organic Chemistry I Lab (Fall)	<small>(C- or better in CHEM-104/104L)</small>	1	<input type="checkbox"/>	_____	_____
CHEM-202	Organic Chemistry II (Spring)	<small>(C- or better in CHEM-201/201L)</small>	3	<input type="checkbox"/>	_____	_____
CHEM-202L	Organic Chemistry II Lab (Spring)	<small>(C- or better in CHEM-201/201L)</small>	1	<input type="checkbox"/>	_____	_____

Statistics Course (3 credits) Select one of the courses below or transfer in AP Statistics (score 4 or 5)

BIOL-312	Biostatistics	<small>(C- or better in MATH-112 and BIOL 104)</small>			_____	_____
STAT-220	Statistics for Behavioral Sciences	<small>(PSYC-101)</small>	3	<input type="checkbox"/>	_____	_____
MATH-321	Probability and Statistics	<small>(MATH-112)</small>			_____	_____

Pre-Medical Core - 8 credits

BIOL-201	Anatomy & Physiology I Lecture (Fall)	<small>(C- or better in BIOL-104/104L)</small>	3	<input type="checkbox"/>	_____	_____
BIOL-201L	Anatomy & Physiology I Lab (Fall)	<small>(C- or better in BIOL-104/104L)</small>	1	<input type="checkbox"/>	_____	_____
BIOL-202	Anatomy & Physiology II Lecture (Spring)	<small>(C- or better in BIOL-201/201L)</small>	3	<input type="checkbox"/>	_____	_____
BIOL-202L	Anatomy & Physiology II Lab (Spring)	<small>(C- or better in BIOL-201/201L)</small>	1	<input type="checkbox"/>	_____	_____

Summer Semester - 6 credits (between sophomore & junior year)

BIOL-493	Preceptorship I	<small>(C- or better in BIOL-104/104L; CHEM-104/104L, min. GPA 3.0)</small>	3	<input type="checkbox"/>	_____	_____
BIOL-494	Preceptorship II	<small>(C- or better in BIOL-104/104L; CHEM-104/104L, min. GPA 3.0)</small>	3	<input type="checkbox"/>	_____	_____

LEVEL III (THIRD YEAR) – 31-33 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmark Core Courses – 9 credits

ETHC-2()	Ethics	<small>(WRIT-101, AVIS-101)</small>	3	<input type="checkbox"/>	_____	_____
ISEM-3()	Integrative Seminar	<small>(WRIT-201, GDIV-2XX or GCIT-2XX)</small>	3	<input type="checkbox"/>	_____	_____
GCIT-2()	Global Citizenship	<small>(WRIT-101, AVIS-101)</small>	3	<input type="checkbox"/>	_____	_____

Science Core - 8 credits

PHYC-111	Physics I Lecture and Lab (Fall)	<small>(MATH-1XX)</small>	4	<input type="checkbox"/>	_____	_____
PHYC-112	Physics II Lecture and Lab (Spring)	<small>(PHYC-111)</small>	4	<input type="checkbox"/>	_____	_____

LEVEL III (THIRD YEAR) – continued
Pre-Medical Studies Core - 8 credits

(Prerequisite) Cr Sem. Grade TR Equiv.

BCHM-312	Biochemistry I Lecture (Fall)	(C- or better in BIOL-104/L and C or better in CHEM-202/202L)	3	<input type="checkbox"/>			
BCHM-312L	Biochemistry I Lab (Fall)	(C- or better in BIOL-104/L and C or better in CHEM-202/202L)	1	<input type="checkbox"/>			
BCHM-313	Biochemistry II Lecture (Spring)	(C or better in BCHM 312/312L)	3	<input type="checkbox"/>			
BCHM-313L	Biochemistry II Lab (Spring)	(C or better in BCHM 312/312L)	1	<input type="checkbox"/>			

General Electives - 6-8 credits (may be used towards Public Health, Psychology, Genetics, Business or Chemistry minors)

()			3-4	<input type="checkbox"/>			
()			3-4	<input type="checkbox"/>			

LEVEL IV (FOURTH YEAR) – 30-34 credits

(Prerequisite) Cr Sem. Grade TR Equiv.

Halmark Core Courses – 6 credits

CGIS-300	Contemporary Global Issues (Fall)	(WRIT-201, GDIV-2XX or GCIT-2XX)	3	<input type="checkbox"/>			
PHIL-499	Philosophies of The Good Life (Spring)	(CGIS-300, ETHC-2XX, ADIV-2XX, MATH-1XXX, GCIT-2XX, GDIV-2XX, ISEM-3XX, Sci Undstg)	3	<input type="checkbox"/>			

Pre-Medical Core - 12 credits

BIOL-221	Microbiology Lecture (Fall)	(C- or better in BIOL-104/104L)	3	<input type="checkbox"/>			
BIOL-221L	Microbiology Lab (Fall)	(C- or better in BIOL-104/104L)	1	<input type="checkbox"/>			
BIOL-207L	Principles of Genetics Lecture (Spring)	(C- or better in BIOL-104/104L)	3	<input type="checkbox"/>			
BIOL-207L	Principles of Genetics Lab (Spring)	(C- or better in BIOL-104/104L)	1	<input type="checkbox"/>			

Pre Med Elective Course – 4 credits (select ONE of the following combinations of lecture AND lab courses)

These courses can also be taken as a second course to satisfy the Advanced Biology Elective category

BIOL-413	Pathology	(BIOL-202/202L)					
BIOL-413L	Pathology Laboratory	(BIOL-202/202L)					
OR							
BIOL-303	Histology	(C- or better in BIOL-202/202L)	3	<input type="checkbox"/>			
BIOL-303L	Histology Laboratory	(C- or better in BIOL-202/202L)	1	<input type="checkbox"/>			
OR							
BIOL-405	Human Gross Anatomy (Spring)	(B or better BIOL-201/201L and BIOL-202/202L)					
BIOL-405-L	Human Gross Anatomy Laboratory (Spring)	(B or better BIOL-201/201L and BIOL-202/202L)					
OR							
BIOL-4XX	Advanced Physiology (Fall)	(C or better BIOL-202/L, 207/L, or BHCEM 313/L)					
BIOL-4XXL	Advanced Physiology Laboratory (Fall)	(C or better BIOL-202/L, 207/L, or BHCEM 313/L)					

Advanced Science Elective - 3-4 credits: select ONE from:-

Please note that Pre-Med Elective Courses can be taken additionally if not for the Pre Med Elective course category

Fall Term: BIOL-256/L, BIOL-209♦, BIOL-303/L, BIOL 319, BIOL 305 or SCI-300

Spring Term: BIOL-204/L, BIOL-321, BIOL-302, BIOL-307, BIOL 309, BIOL-405/L, CHEM-405, or SCI-402

()			3-4	<input type="checkbox"/>			
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General Electives - 9-12 credits (may be used toward Public Health, Psychology, Genetics, Business or Chemistry minors)

()			3-4	<input type="checkbox"/>			
()			3-4	<input type="checkbox"/>			
()			3-4	<input type="checkbox"/>			

TOTAL CREDITS: 126-133

♦ Writing Intensive or writing specific courses

* Prerequisites are listed after the course name in parenthesis.

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

MATH-099	Fundamentals of College Mathematics	(must earn C or better)	3	<input type="checkbox"/>			
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Surplus credits not used toward degree requirements

Please note Thomas Jefferson University residency requirement:

Thomas Jefferson University has a residency requirement of 60 credits for Day Division students. Students must take a minimum of 60 credits - 12 credits must be within the major core: 9 credits must be in Hallmar Core courses in order to be

This form should be used as a worksheet in conjunction with the catalog and the College Studies "menu" of options. Please refer to the Thomas Jefferson University catalog for questions regarding curriculum and academic policies.

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