

THOMAS JEFFERSON UNIVERSITY  
 BACHELOR OF SCIENCE: PRE-MEDICAL STUDIES (LECOM 4+4)

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 (Spring)		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) – 37-38 credits** (Prerequisite) Cr Sem. Grade TR Equiv.

**Hallmark Core Courses – 9 credits**

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

**General Electives 3-4 credits** (May be used towards Public Health, Psychology, Genetics, Business or Chemistry minors;

LECOM recommends one general elective be Introduction to Psychology)

( )	_____		3-4	<input type="checkbox"/>	_____	_____	_____
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**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	(WRIT-101, AVIS-101)	3	<input type="checkbox"/>			
ISEM-3 ( )	Integrative Seminar	(WRIT-201, GDIV-2XX or GCIT-2XX)	3	<input type="checkbox"/>			
GCIT-2 ( )	Global Citizenship	(WRIT-101, AVIS-101)	3	<input type="checkbox"/>			

Includes World Languages at any level

**Science Core – 8 credits**

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

**Pre-Medical Core - 8 credits**

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 toward Public Health, Psychology, Genetics, Business or Chemistry minors)

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

**LEVEL IV (FOURTH YEAR) – 31-34 credits**

(Prerequisite) Cr Sem. Grade TR Equiv.

**Hallmark 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"/>			

**Science Core – 12 credits**

**Pre-Medical Core**

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 - 10-12 credits** (may be used toward Public Health, Psychology, Genetics, Business or Chemistry minors)

( )			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.

# You must have a minimum of 19 credits of free electives to graduate. This can be through combinations of 4, 3 and 0.5 credit courses. Discuss your options with your advisor.

**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

MATH-099 Fundamentals of College Mathematics

(must earn C or better)

3

**Surplus credits not used toward degree requirements**

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**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 Hallmark Core courses 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 College Studies "menu" of options. Please refer to the Thomas Jefferson University catalog for questions regarding curriculum and academic policies.*

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

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