

THOMAS JEFFERSON UNIVERSITY  
**COMBINED DEGREE PROGRAM: B.S. HEALTH SCIENCES /  
M.S. MEDICAL LABORATORY SCIENCES & BIOTECHNOLOGY**      **2022-2023**

Name \_\_\_\_\_ Campus Key: \_\_\_\_\_

**TJU-EF YEAR 1 - 32-35 credits** (Prerequisite) Cr Sem. Grade TR Equiv.

**NOTE:** Only courses with grades of "C" or higher transfer to TJU-CC professional program (including labs).

**Hallmarks Core Courses - 21-23 credits**

FYS-100	Pathways: First Year Seminar	(Fall)	1	<input type="checkbox"/>			
WRIT-101/G/S	Writing Seminar I: Written Communication	(Fall)	3	<input type="checkbox"/>			
<small>WRIT-100 may only be used to satisfy free elective credits</small>							
WRIT-201	Writing Seminar II: Multimedia Communication	(Spring)	3	<input type="checkbox"/>			
AMST-114	Topics in American Studies		3	<input type="checkbox"/>			

**Scientific Understanding Courses:**

BIOL-103	Biology I	(Fall)	3	<input type="checkbox"/>	*		
BIOL-103L	Biology I Lab	(Fall)	1	<input type="checkbox"/>	*		
CHEM-103	Chemistry I Lecture	(Fall)	3	<input type="checkbox"/>	*		
CHEM-103L	Chemistry I Lab	(Fall)	1	<input type="checkbox"/>	*		
MATH-1( )	Quantitative Reasoning I (based on placement, see below)	(Fall)	3-4	<input type="checkbox"/>			
MATH-102/110	Pre-calculus (3-4 cr.)						
MATH-103	Introduction to Calculus (3 cr.)	(Math 110)					
MATH-111	Calculus I (4 cr.)	(Math 110)					

**Health Science Core - 3-4 credits**

HSCI-100	Intro to Health Professions		1	<input type="checkbox"/>			
HSCI-230/231	Introduction to Health Care (HSCI 231H Spring)		2-3	<input type="checkbox"/>			

**Science Requirements - 8 credits**

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

**TJU-EF YEAR 2 - 30 credits** (Prerequisite) Cr Sem. Grade TR Equiv.

**Hallmarks Core Courses - 12 credits**

ETHC-2( )	Ethics	(Fall)	(WRIT-201, AMST-114)	3	<input type="checkbox"/>		
GDIV-2( )	Global Diversity (in world language)		(WRIT-201, AMST-114)	3	<input type="checkbox"/>		
ADIV-2( )	American Diversity	(Fall)	(WRIT-201, AMST-114)	3	<input type="checkbox"/>		
GCIT-2( )	Global Citizenship (in world language)	(Spring)	(WRIT-201, AMST-114)	3	<input type="checkbox"/>		

**Health Science Core - 3 credits**

HSCI-33X	Health Science Elective		3	<input type="checkbox"/>			
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**Psychology & Science Requirements - 14-16 credits**

PSYC-101	Introduction to Psychology		3	<input type="checkbox"/>			
BIOL-201	Anatomy & Physiology Lecture I (Fall)	(min C in BIOL-110 or 104)	3	<input type="checkbox"/>	*		
BIOL-201L	Anatomy & Physiology I Lab (Fall)	(min C in BIOL-110 or 104)	1	<input type="checkbox"/>	*		
BIOL-202	Anatomy & Physiology II Lecture (Spring)	(BIOL-201/201L)	3	<input type="checkbox"/>	*		
BIOL-202L	Anatomy & Physiology II Lab (Spring)	(BIOL-201/201L)	1	<input type="checkbox"/>	*		
Science Elec	Choose 1: BIOL-207/L; BIOL-256/L; BIOL-309; BIOL-321; CHEM-201; or PHYC-111 (for Biotech and Med Lab Sci Concentrations)		3-4	<input type="checkbox"/>	*		

**TJU-EF YEAR 3 - 25-31 credits** (Prerequisite) Cr Sem. Grade TR Equiv.

**Hallmarks Core Courses - 9 credits**

ISEM-3( )	Integrative Seminar	(Fall)	(WRIT-201, GDIV-09 or GDIV-20)	3	<input type="checkbox"/>		
CGIS-3( )	Contemporary Global Issues	(Fall)	(WRIT-201, AMST-114)	3	<input type="checkbox"/>		
PHIL-499	Philosophies of the Good Life			3	<input type="checkbox"/>		

**Health Science Core - 6 credits**

HSCI-225	Applied Statistics	(MATH-102 or higher)	3	<input type="checkbox"/>			
HSCI-330	Medical Terminology & Documentation	(BIOL-201/L or prior of PCO)	3	<input type="checkbox"/>			

**Psychology & Science Requirements - 7 credits**

PSYC-2XX	Psychology Elective	(Spring)	3	<input type="checkbox"/>			
BIOL-221/L	Microbiology	(Fall)	(L-112/L or 104/104L, Min of C)	4	<input type="checkbox"/>	*	

**Free Elective: 3-4 cr**

( )			3-4	<input type="checkbox"/>			
( )	Elective (optional)		0-3	<input type="checkbox"/>			
( )	Elective (optional)		0-3	<input type="checkbox"/>			

\*MLSB prerequisite science courses

**Professional program matriculation requirements:** preferred minimum overall 3.0 GPA for all college coursework and preferred minimum 3.0 prerequisite science GPA.

**THOMAS JEFFERSON UNIVERSITY PROFESSIONAL PROGRAM**

**YEAR 4 - 30-39 credits** (Prerequisite) Cr Sem. Grade TR Equiv.

(professional program credits transfer back to undergraduate BS degree)

**MLSB Professional Program courses by advisement**

- [Medical Laboratory Science](#)
- [Cytotechnology and Cell Sciences](#)
- [Biotechnology](#)

**Fundamentals Courses:** Fundamental "099" courses do not count toward graduation requirements.

However, WRIT-100 and ITXA-100 can be used toward graduation credits as free electives.

MATH-099	Fundamentals of College Mathematics	(must earn C or better)	3	<input type="checkbox"/>			
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**COURSE STATUS:**  = course to take next semester     = course currently being taken     = course completed