

**COMBINED DEGREE PROGRAM: B.S. HEALTH SCIENCES /
M.S. MEDICAL LABORATORY SCIENCES & BIOTECHNOLOGY**

2023-2024

Name _____

Campus Key: _____

TJU-EF YEAR 1 – 32-35 credits

(Prerequisite) Cr Sem. Grade TR Equiv.

NOTE: All course grades, including labs, must be "C" or higher to transfer to TJU-CC professional program.

Hallmarks Core Courses – 21-23 credits

FYS-100	Pathways: First Year Seminar (Fall)	1	_____	_____	_____
WRIT-101/G/S	Writing Seminar I: Written Communication (Fall) <small>WRIT-100 may only be used to satisfy free elective credits</small>	3-4	_____	_____	_____
WRIT-201	Writing Seminar II: Multimedia Communication (Spring)	3	_____	_____	_____
AVIS-101	American Visions	3	_____	_____	_____

Scientific Understanding Courses:

BIOL-103	Biology I (Fall)	3	_____	*	_____
BIOL-103L	Biology I Lab (Fall)	1	_____	*	_____
CHEM-103	Chemistry I Lecture (Fall)	3	_____	*	_____
CHEM-103L	Chemistry I Lab (Fall)	1	_____	*	_____
MATH-1()	Quantitative Reasoning I (based on placement, see below) (Fall)	3-4	_____	_____	_____
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 Sciences Core - 3-4 credits

HSCI-100	Intro to Health Professions	1	_____	_____	_____
HSCI-230/231	Introduction to Health Care (HSCI 231H Spring)	2-3	_____	_____	_____

Science Requirements - 8 credits

BIOL-104	Biology II Lecture (Spring) (BIOL 103/103L)	3	_____	*	_____
BIOL-104L	Biology II Lab (Spring) (BIOL 103/103L)	1	_____	*	_____
CHEM-104	Chemistry II Lecture (Spring) (CHEM-103/L)	3	_____	*	_____
CHEM-104L	Chemistry II Lab (Spring) (CHEM-103/L)	1	_____	*	_____

TJU-EF YEAR 2 - 29-30 credits

Hallmarks Core Courses – 12 credits

ETHC-2()	Ethics (Fall) (WRIT-101, AVIS-101)	3	_____	_____	_____
GDIV-2()	Global Diversity or Language (WRIT-101, AVIS-101)	3	_____	_____	_____
ADIV 2()	American Diversity (Fall) (WRIT-101, AVIS-101)	3	_____	_____	_____
GCIT-2()	Global Citizenship or Language (Spring) (WRIT-101, AVIS-101)	3	_____	_____	_____

Health Sciences Core - 3 credits

HSCI-3XX	Health Science Elective	3	_____	_____	_____
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Psychology & Science Requirements - 14-15 credits

PSYC-101	Introduction to Psychology	3	_____	_____	_____
BIOL-201	Anatomy & Physiology Lecture I (Fall) (BIOL/L-112 or 104)	3	_____	*	_____
BIOL-201L	Anatomy & Physiology I Lab (Fall) (BIOL/L-112 or 104)	1	_____	*	_____
BIOL-202	Anatomy & Physiology II Lecture (Spring) (BIOL-201/201L)	3	_____	*	_____
BIOL-202L	Anatomy & Physiology II Lab (Spring) (BIOL-201/201L)	1	_____	*	_____
Science Elec	Choose 1: BIOL 207/L; BIOL 256/L; BIOL 309; BIOL 321; CHEM 201; or for Biotech and Med Lab Sci Concentrations, PHYC 111	3-4	_____	*	_____

TJU-EF YEAR 3 – 25-31 credits

Hallmarks Core – 9 credits

ISEM-3()	Integrative Seminar (Fall) (WRIT-201, GDIV or GCIT)	3	_____	_____	_____
CGIS-3()	Contemporary Global Issues (Fall) (WRIT-201, GDIV or GCIT)	3	_____	_____	_____
PHIL-499	Philosophies of the Good Life (Spring)	3	_____	_____	_____

(ETHC-2xx, ADIV-2xx, GCIT-2xx, GDIV-2xx, CGIS-300, ISEM-3xx, Sci Understanding, Quant Reasoning)

Health Sciences Core - 6 credits

HSCI 225	Applied Statistics (MATH 102 or higher)	3	_____	_____	_____
HSCI-330	Medical Terminology & Documentation (BIOL 201/L or perm of PD)	3	_____	_____	_____

TJU-EF YEAR 3 (con't.)		(Prerequisite)	Cr	Sem.	Grade	TR Equiv.
Psychology & Science Requirements - 7 credits						
PSYC-2XX	Psychology Elective (Spring)		3			
BIOL-221/L	Microbiology (WI)	(BIOL/L-112 or 104)	4		*	
Free Elective: 3-4 cr						
()			3-4			
()	Elective (optional)		0-3			
()	Elective (optional)		0-3			

*MLSB prerequisite science courses

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

**THOMAS JEFFERSON UNIVERSITY PROFESSIONAL PROGRAM
YEAR 4 - 30-39 credits**

(professional program credits transfer back to undergraduate BS degree)

MLSB Professional Program courses by advisement

Medical Laboratory Sciences

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
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