

THOMAS JEFFERSON UNIVERSITY
BACHELOR OF SCIENCE: BIOLOGY

2023-2024

Name _____

ID# _____

LEVEL I (FIRST YEAR) – 31-32 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmarks Core – 19-20 credits

FYS-100	Pathways Seminar <small>(Not required for transfer students)</small>	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-113	Chemistry I For Life Sciences Lecture (Fall) <small>(pre or co-req MATH 102 or higher)</small>	3	<input type="checkbox"/>		
CHEM-113L	Chemistry I For Life Sciences 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 (Fall)	4	<input type="checkbox"/>		

Science Core – 12 credits

CHEM-114	Chemistry II For Life Sciences Lecture (Spring) <small>(C- or better in CHEM-103/L)</small>	3	<input type="checkbox"/>		
CHEM-114L	Chemistry II For Life Sciences 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"/>		
MATH-112	Calculus II (Spring) <small>(MATH-111)</small>	4	<input type="checkbox"/>		

LEVEL II (SECOND YEAR) – 32-33 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmarks Core – 9 credits

WRIT-201	Writing Seminar II: Multimedia Comm. <small>(WRIT-101)</small>	3	<input type="checkbox"/>		
ETHC-2()	Ethics <small>(WRIT-101, AVIS-101)</small>	3	<input type="checkbox"/>		
GDIV-2()	Global Diversity <small>(WRIT-101, AVIS-101)</small> <small>(includes 101-level World Languages)</small>	3	<input type="checkbox"/>		

Science Core – 20 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 III Lab (Spring) <small>(C- or better in CHEM-201/201L)</small>	1	<input type="checkbox"/>		

Biology Core

BIOL-301	Ecology (Fall)*	3	<input type="checkbox"/>		
BIOL-301L	Ecology Lab (Fall) <small>*May be replaced with SCI 109, or LARC 212, 3 credits each</small>	1	<input type="checkbox"/>		
BIOL 209	Medicinal Plants (Spring) <small>(WRIT 201)</small>	3	<input type="checkbox"/>		
BIOL 209L	Medicinal Plants Lab (Spring) <small>(WRIT 201)</small>	1	<input type="checkbox"/>		
BIOL-207	Principles of Genetics Lecture <small>(C- or better in BIOL-104/104L)</small>	3	<input type="checkbox"/>		
BIOL-207L	Principles of Genetics Lab <small>(C- or better in BIOL-104/104L)</small>	1	<input type="checkbox"/>		

General Elective - 3-4 credits

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LEVEL III (THIRD YEAR) – 32-35 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmarks Core – 12 credits

ADIV-2()	American Diversity <small>(WRIT-101, AVIS-101)</small>	3	<input type="checkbox"/>		
GCIT-2()	Global Citizenship <small>(WRIT-101, AVIS-101)</small> <small>(includes 201-level World Languages)</small>	3	<input type="checkbox"/>		
CGIS-300	Contemporary Global Issues <small>(WRIT-201, and GDIV-2xx or GCIT-2xx)</small>	3	<input type="checkbox"/>		
ISEM-3()	Integrative Seminar <small>(WRIT-201, and GDIV-2xx or GCIT-2xx)</small>	3	<input type="checkbox"/>		

Science Core – 20-23 Credits

PHYC-201	Physics I Lecture (Fall) <small>(MATH-112)</small>	3	<input type="checkbox"/>		
PHYC-201L	Physics I Lab (Fall) <small>(MATH-112)</small>	1	<input type="checkbox"/>		
PHYC-203	Physics II Lecture (Spring) <small>(PHYC-201/201L)</small>	3	<input type="checkbox"/>		
PHYC-203L	Physics II Lab (Spring) <small>(PHYC-201/201L)</small>	1	<input type="checkbox"/>		

LEVEL III (THIRD YEAR) - continued

(Prerequisite) Cr Sem. Grade TR Equiv.

Biology Core

BIOL-208 Biodiversity (C- or better in BIOL-104/104L) 3

Advanced Biology Electives (Choose from the designated electives below)

() _____ 3-4

() _____ 3-4

General Elective - 3-4 credits

() _____ 3-4

LEVEL IV (FOURTH YEAR) - 27-33 credits

Cr Sem. Grade TR Equiv.

Hallmarks Core - 3 credits

PHIL-499 Philosophies of the Good Life 3
(CGIS-300, ETHC-2XX, ADIV-2XX, MATH-1XXX, GCIT-2XX, GDIV-2XX, ISEM-3XX, Sci Undstg)

Science Core - 15-18 credits

BIOL-312 Biostatistics (C- or better in MATH-112 and BIOL-104/L) 3
*May be replaced with COMP-101, COMP-102, & COMP-103

Biology Core

BIOL-402 Science Seminar (Spring) 3
(2 from the following: CHEM201/L, CHEM214, BIOL207/L, BIOL221/L, and PHYC201/L (minimum grade C-))

Advanced Biology Electives (Choose from the designated electives below)

() _____ 3-4

() _____ 3-4

() _____ 3-4

General Electives - 9-12 credits

() _____ 3-4

() _____ 3-4

() _____ 3-4

TOTAL CREDITS: 122-132

Advanced Biology Electives (Choose five from these designated electives)

Bioch I&II (BCHM-312/L, BCHM-313/L), Anat&Phys I&II (BIOL-201/L, BIOL-202/L), Cell Bio (BIOL 204/L), Plant Bio (BIOL 205/L), Microbiol (BIOL-221/L), Molec Genet (BIOL-256/L), Med Genet (BIOL 302), Histo (BIOL-303/L), Preventative Medicine (BIOL-305/L), Dev Gen (BIOL-307), Trop Field Study (BIOL 308), Bioinformatics, (BIOL-309/L), Oceanog (BIOL-319), Immunol (BIOL-321), Special Topics (BIOL-371/L), Research I&II (BIOL-391, BIOL-392), Genet Sem (BIOL 402), Human Gross Anatomy (BIOL-405/L), Comp Anat (BIOL-407), Cell Analysis (BIOL-409), Pathology (BIOL 413/L), Advanced Physiology (BIOL-4XX/L), Nat Res Manag (BIOL-415), Preceptorship I/II (BIOL-493/4), Intern (INTN-493), Loc Flora (LARC-212), Public Health (PUBH-101), Ind Study (SCI-381/2), Basic Pharm (SCI-300), Study Abroad TR (SUAB-300).

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

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 the Hallmarks Core 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 Hallmarks Core "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