

THOMAS JEFFERSON UNIVERSITY
BACHELOR OF SCIENCE: **BIOLOGY**

2022-2023

Name _____

ID# _____

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

Hallmarks Core – 19 credits

FYS-100	Pathways Seminar <small>(Not required for transfer students)</small>		1	<input type="checkbox"/>			
WRIT-101	Written Communication <small>WRTG-100 may only be used to satisfy free elective credits</small>		3	<input type="checkbox"/>			
AMST-114	Topics in American Studies		3	<input type="checkbox"/>			
CHEM-113	Chemistry I For Life Sciences Lecture (Fall)	<small>(or co-req MATH 102 or higher)</small>	3	<input type="checkbox"/>			
CHEM-113L	Chemistry I For Life Sciences Lab (Fall)	<small>(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) – 31-33 credits (Prerequisite) Cr Sem. Grade TR Equiv.

Hallmarks Core – 9-10 credits

WRIT-20()	Writing Seminar II: Multimedia Comm. <small>WRIT 202 is for transfer students (4 cr)</small>	<small>(WRIT-101)</small>	3-4	<input type="checkbox"/>			
ETHC-2()	Ethics	<small>(WRTG-101 and AMST-114)</small>	3	<input type="checkbox"/>			
GDIV-2()	Global Diversity <small>(includes 101-level World Languages)</small>	<small>(WRTG-101 and AMST-114)</small>	3	<input type="checkbox"/>			

Science Core – 19 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)	<small>Science-I</small>	3	<input type="checkbox"/>			
	<small>*May be replaced with BIOL-301, DECS-208 DECS209/ SCI 209, or LARC 212</small>						
BIOL-209	Medicinal Plants (Spring)	<small>(WRIT 2XX)</small>	3	<input type="checkbox"/>			
BIOL-209L	Medicinal Plants Lab (Spring)	<small>(WRIT 2XX)</small>	1	<input type="checkbox"/>			
BIOL-207	Principles of Genetics Lecture	<small>(C- or better in BIOL-104/104L)</small>	3	<input type="checkbox"/>			
CIC BIOL-207L	Principles of Genetics Lab	<small>(C- or better in BIOL-104/104L)</small>	1	<input type="checkbox"/>			

Free 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 and DBTU-114)</small>	3	<input type="checkbox"/>			
GCIT-2()	Global Citizenship <small>(includes 201-level World Languages)</small>	<small>(WRTG-101 and DBTU-114)</small>	3	<input type="checkbox"/>			
CGIS-300	Contemporary Global Issues	<small>(WRIT-201, and DGIV-2xx or GCIT-2xx)</small>	3	<input type="checkbox"/>			
ISEM-3()	Integrative Seminar	<small>(WRIT-201, and DGIV-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>(PHYS-201/201L)</small>	3	<input type="checkbox"/>			
PHYC-203L	Physics II Lab (Spring)	<small>(PHYS-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

Free 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

(ETHC-2XX, ADIV-2XX, GCIT-2XX, GDIV-2XX, CGIS-300, DECM-300, Sci Undstg, MATH1XX)

Science Core - 15-18 credits

STAT-301 Biostatistics (Fall)* (C [2.0] or better in MATH-111 or MATH-112) 3

*May be replaced with COMP 101, COMP 102, & COMP 103

Biology Core

SCI-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)

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() _____ 3-4

() _____ 3-4

Free Electives - 9-12 credits

() _____ 3-4

() _____ 3-4

() _____ 3-4

TOTAL CREDITS: 121-132

Advanced Biology Electives (Choose five from these designated electives)

Anat&Phys I&II (BIOL-201/L, BIOL-202/L), Public Health (PUBH-101), Cell Bio (BIOL 204/L), Plant Bio (BIOL 205/L), Microbiol (BIOL-221/L), HistoI (BIOL-303/L), Med Genet (BIOL 302), Dev Gen (BIOL-307), Bioinformatics (BIOL-309), Bioch I&II (BCHM-312/L, BCHM-313/L), Immunol (BIOL-321), Special Topics (BIOL-371/L), Research I&II (BIOL-391, BIOL-392), Molec Genet (BIOL-256), Genet Sem (BIOL 402), Comp Anat (BIOL-407), Cell Analysis (BIOL-409), Preceptorship I/II (BIOL-493/4), Biodiv (BIOL-208), Loc Flora (LARC-212), ~~Eecology (BIOL-304)~~, Wildlife Ecol (BIOL-316), Oceanog (BIOL-319), Nat Res Manag (BIOL-415), Ind Study (SCI-381/2), Basic Pharm (SCI-300), Intern (SCI-493), SUAB-300, Preventative Medicine (BIOL-305/L), Human Gross Anatomy (BIOL-405/L).

Introductory and Fundamentals Courses: (Fundamental "099" courses do **not** count toward graduation requirements. However, WRTG-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