

CENTENARY UNIVERSITY
B.S. IN BIOLOGY
RECOMMENDED FOUR-YEAR SEQUENCE
2024-2025

Course #	Title	Prerequisites	Credits	Completed
<u>YEAR 1 (FALL)</u>				
BIO 1301/1101	General Biology I and Lab (CU Value III)		3/1	_____
MTH 1501	Statistics I (CU Value III)		4	_____
MTH 1600	Pre-Calculus*	By placement test**	4	_____
BIO 1201	Introduction to Scientific Work (CU Value I)		2	_____
LAS 1305	Wellness (CU Value I)		2	_____
<u>YEAR 1 (SPRING)</u>				
BIO 1302/1102	General Biology II and Lab	BIO 1301 (≥C-)	3/1	_____
MTH 1502	Statistics II	MTH 1501	4	_____
MTH 2151	Calculus I	By placement test or MTH1600 (≥C)	4	_____
[Dept] 1105	Broad, Enduring, Interest (CU Value I)		4	_____
<u>YEAR 2 (FALL)</u>				
BIO 2302/2102	Anatomy & Physiology I and Lab		3/1	_____
CHM 1302/1102	General Chemistry I* and Lab	MTH 1600* (≥C-; pre- or co-req.)	3/1	_____
PHY 2300/2100	Physics I and Lab	MTH 1600 (≥C-)	3/1	_____
WRI 1001/1002	Composition and Rhetoric I or II (CU Value II)	By self-placement	4	_____
<u>YEAR 2 (SPRING)</u>				
BIO 2303/2103	Anatomy & Physiology II and Lab	BIO 2302 (≥C-)	3/1	_____
CHM 1303/1103	General Chemistry II and Lab	CHM 1302 (≥C-)	3/1	_____
PHY 2301/2101	Physics II and Lab	PHY 2300 (≥C-)	3/1	_____
COM 2001	Public Speaking (CU Value II)		4	_____
<u>YEAR 3 (FALL)</u>				
BIO 3302/3102	Comparative Vertebrate Anatomy	BIO 1302 (≥C-)	3/1	_____
BIO 3304/3104	Microbiology and Lab	BIO 1301 (≥C-)	3/1	_____
CHM 2300/2100	Organic Chemistry I and Lab	CHM 1303 (≥C-)	3/1	_____
WRI 2200	Intensive Research Writing I (CU Value II)	WRI 1001/2	2	_____
<u>YEAR 3 (SPRING)</u>				
BIO 3303/3103	Animal Physiology and Behavior and Lab	BIO-2302 BIO-3302 or EST-4024	3/1	_____
BIO 3301/3101	Genetics and Lab	BIO 1301 (≥C-)	3/1	_____
CHM 2301/2101	Organic Chemistry II and Lab	CHM 2300 (≥C-)	3/1	_____
WRI 2210	Intensive Research Writing II (CU Value II)	WRI 1001/2	2	_____
<u>YEAR 4 (FALL)</u>				
BIO 3306/3106	Cell and Molecular Biology and Lab	BIO 1301 (≥C-)	3/1	_____
BIO 4301/4101	Ecology and Lab	Senior standing	3/1	_____
CHM 4200	Biochemistry	CHM 2300 (≥C-)	4	_____
CORE	Global Culture (CU Value IV)		4	_____
<u>YEAR 4 (SPRING)</u>				
BIO 4100	Biology Seminar	Senior standing	4	_____
BIO 4300	Bioethics (CU Value IV)	Sophomore standing	4	_____
CORE	Arts – History or Appreciation (CU Value IV)		4	_____
Total			120	

* Chemistry/math placement test must be taken prior to entry in course

STUDENT NAME: _____

DATE: _____

<u>UNIVERSITY CORE REQUIREMENTS (40 CR)</u>	<u>GRADE</u>	<u>MAJOR REQUIREMENTS</u>	<u>(48 CR)</u>
CU Value I: College Transition (8 Credits)		BIO 1301 General Biology I *	3CR _____
[Dept] 1105 Broad, Enduring Interest	4CR _____	BIO 1101 General Biology I Lab*	1CR _____
BIO 1201 Introduction to Scientific Work	2CR _____	BIO 1302 General Biology II	3CR _____
LAS 1305 Wellness	2CR _____	BIO 1102 General Biology II Lab	1CR _____
		BIO 2302 Anatomy & Physiology I*	3CR _____
		BIO 2102 Anatomy & Physiology I Lab*	1CR _____
		BIO 2303 Anatomy & Physiology II	3CR _____
CU Value II: Communication (12 Credits)		BIO 2103 Anatomy & Physiology II Lab	1CR _____
Written Communication (Requires C- or Better)		BIO 3301 Genetics	3CR _____
WRI 1001 or WRI 1002	4CR _____	BIO 3101 Genetics Lab	1CR _____
WRI 2200 Intensive Research Writing I	2CR _____	BIO 3304 Microbiology	3CR _____
WRI 2210 Intensive Research Writing II	2CR _____	BIO 3104 Microbiology Lab	1CR _____
COM 2001 Public Speaking	4CR _____	BIO 3302 Comp. Vertebrate Anatomy	3CR _____
		BIO 3102 Comp. Vertebrate Anatomy Lab	1CR _____
CU Value III: STEM (8 Credits)		BIO 3303 Animal Physio. & Behavior	3CR _____
BIO 1301/1101 General Biology I + Lab*	Major _____	BIO 3103 Animal Physio. & Behavior Lab	1CR _____
MTH 1501 Statistics I	Major _____	BIO 3306 Cell and Molecular Biology	3CR _____
		BIO 3106 Cell and Molecular Biology Lab	1CR _____
CU Value IV: Community, Citizenship, & Selves (12 Credits)		BIO 4100 Biology Seminar	4CR _____
_____	4CR _____	BIO 4300 Bioethics (CU Value IV)	4CR _____
Global Culture		BIO 4301 Ecology	3CR _____
BIO 4300 Bioethics	Major _____	BIO 4101 Ecology Lab	1CR _____
Community & Responsibility			
_____	4CR _____		
Creative Expression & Self			
MAJOR-RELATED REQUIREMENTS (44CR)			
CHM 1302 General Chemistry I*	3CR _____		
CHM 1102 General Chemistry I Lab	1CR _____		
CHM 1303 General Chemistry II*	3CR _____		
CHM 1103 General Chemistry II Lab	1CR _____		
CHM 2300 Organic Chemistry I *	3CR _____		
CHM 2100 Organic Chemistry I Lab	1CR _____		
CHM 2301 Organic Chemistry II*	3CR _____		
CHM 2101 Organic Chemistry II Lab	1CR _____		
CHM 4200 Biochemistry	4CR _____		
MTH 1501 Statistics I	4CR _____		
MTH 1502 Statistics II	4CR _____		
MTH 1600 Pre-Calculus*	4CR _____		
MTH 2151 Calculus I	4CR _____		
PHY 2300 Physics I*	3CR _____		
PHY 2100 Physics I Lab	1CR _____		
PHY 2301 Physics II	3CR _____		
PHY 2101 Physics II Lab	1 CR _____		

TOTAL NUMBER OF CREDITS: 120

Notes:

- To earn a Bachelor's degree, all graduates must successfully complete a minimum of 120 credit hours.
- A minimum of 30 credits must be taken at Centenary University.
- All graduates must have a minimum cumulative grade point average of 2.0 or above.
- All graduates must have a minimum of 2.0 GPA in their major(s).
- Courses that are special topic listed in the title, typically ending with a 99, are repeatable. Courses are counted multiple times and do not replace grades of the previous special topic course.
- Credits can only be shared between the core and the major or core and minor requirements. Shared credits within the core requirements are not allowed.
- *Must earn C- or better**