

CENTENARY UNIVERSITY
B.S. IN BIOLOGY
RECOMMENDED FOUR-YEAR SEQUENCE
2023-2024

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 1205	Nature of 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 1301/1101 (≥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** (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 2302/2102 (≥C-)	3/1	_____
CHM 1303/1103	General Chemistry II and Lab	CHM 1301/1102 (≥C-)	3/1	_____
PHY 2301/2101	Physics II	PHY 2300/2100 (≥C-)	3/1	_____
CORE	Public Speaking (CU Value II)		4	_____
<u>YEAR 3 (FALL)</u>				
BIO 3302/3102	Comparative Vertebrate Anatomy	BIO 1302/1102 (≥C-)	3/1	_____
BIO 3304/3104	Microbiology	BIO 1301/1101 (≥C-)	3/1	_____
CHM 2300/2100	Organic Chemistry I	CHM 1303/1103 (≥C-)	3/1	_____
WRI 2200	Intensive Research Writing I (CU Value II)	WRI1001/2	2	_____
<u>YEAR 3 (SPRING)</u>				
BIO 3303/3103	Animal Physiology and Behavior	Junior standing	3/1	_____
BIO 3301/3101	Genetics	BIO 1301/1101 (≥C-)	3/1	_____
CHM 2301/2101	Organic Chemistry II	CHM 2300/2100 (≥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	BIO 1301/1101 (≥C-)	3/1	_____
BIO 4301/4101	Ecology	Senior standing	3/1	_____
CHM 4200	Biochemistry	CHM 2301/2101 (≥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-RELATED REQUIREMENTS</u>	<u>(44CR)</u>
CU Value I: College Transition (8 Credits)		CHM 1302 General Chemistry I*	3CR _____
[Dept] 1105 Broad, Enduring Interest	4CR _____	CHM 1102 General Chemistry I Lab*	1CR _____
BIO 1205 Nature of Work	2CR _____	CHM 1303 General Chemistry II*	3CR _____
LAS 1305 Wellness	2CR _____	CHM 1103 General Chemistry II Lab*	1CR _____
		CHM 2300 Organic Chemistry I *	3CR _____
CU Value II: Communication (12 Credits)		CHM 2100 Organic Chemistry I Lab*	1CR _____
Written Communication (Requires C- or Better)		CHM 2301 Organic Chemistry II*	3CR _____
WRI-1001 or WRI-1002	4CR _____	CHM 2101 Organic Chemistry II Lab*	1CR _____
WRI 2200 Intensive Research Writing I	2CR _____	CHM 4200 Biochemistry	4CR _____
WRI 2210 Intensive Research Writing II	2CR _____	MTH 1501 Statistics I (CU Value III)	4CR _____
COM 2001 Public Speaking	4CR _____	MTH 1502 Statistics II	4CR _____
		MTH 1600 Pre-Calculus*	4CR _____
CU Value III: STEM (8 Credits)		MTH 2151 Calculus I*	4CR _____
BIO 1301 General Biology I + Lab*	Major _____	PHY 2300 Physics I*	3CR _____
MTH 1501 Statistics I	Major _____	PHY 2100 Physics I Lab*	1CR _____
		PHY 2301 Physics II	3CR _____
CU Value IV: Community, Citizenship, & Selves (12 Credits)		PHY 2101 Physics II Lab	1 CR _____
_____	4CR _____		
Global Culture			
BIO 4300 Bioethics	Major _____		
Community & Responsibility			
_____	4CR _____		
Creative Expression & Self			
MAJOR REQUIREMENTS (48 CR)			
BIO 1301 General Biology I *	3CR _____		
BIO 1101 General Biology I Lab*	1CR _____		
BIO 1302 General Biology II	3CR _____		
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 _____		
BIO 2103 Anatomy & Physiology II Lab	1CR _____		
BIO 3301 Genetics	3CR _____		
BIO 3101 Genetics Lab	1CR _____		
BIO 3304 Microbiology	3CR _____		
BIO 3104 Microbiology Lab	1CR _____		
BIO 3302 Comp. Vertebrate Anatomy	3CR _____		
BIO 3102 Comp. Vertebrate Anatomy Lab	1CR _____		
BIO 3303 Animal Physio. & Behavior	3CR _____		
BIO 3103 Animal Physio. & Behavior Lab	1CR _____		
BIO 3306 Cell and Molecular Biology	3CR _____		
BIO 3106 Cell and Molecular Biology Lab	1CR _____		
BIO4100 Biology Seminar	4CR _____		
BIO4300 Bioethics (CU Value IV)	4CR _____		
BIO 4301 Ecology	3CR _____		
BIO 4101 Ecology Lab	1CR _____		

TOTAL NUMBER OF CREDITS: 120

Notes:

1. To earn a Bachelor degree, all graduates must successfully complete a minimum of 120 credit hours.
2. Minimum of 30 credits must be taken at Centenary University.
3. All graduates must have a minimum cumulative grade point average of 2.0 or above.
4. All graduates must have a minimum of 2.0 GPA in their major(s).
5. 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.
6. Credits can only be shared between the core and the major or core and minor requirements. Shared credits within the core requirements is not allowed
7. ***Must earn C- or better**