CENTENARY UNIVERSITY
B.S. BIOLOGY: CONCENTRATION IN ENVIRONMENTAL SCIENCE
RECOMMENDED FOUR-YEAR SEQUENCE
2023-2024

Course #	Title	Prerequisites	Credits	Completed
		YEAR 1 (FALL)		
BIO 1205	Nature of Work - Sciences (CU Value I)		2	
BIO 1301/1101	General Biology I and Lab (CU Value III)		3/1	
CORE Value IV	Creative Expression & Self		4	
LAS 1305	Wellness (CU Value I)		2	
MTH 1501	Statistics I (CU Value III)		4	
		YEAR 1 (SPRING)		
BIO 1302/1102	General Biology II and Lab	BIO 1101/1301 (≥C-)	3/1	
ENV 1301/1101	Environmental Science and Lab		3/1	
CORE	Broad, Enduring Interest (CU Value I)		4	
MTH 1502	Statistics II	MTH 1501 (≥ C-)	4	
		YEAR 2 (FALL)		
BIO 2302/2102	Anatomy & Physiology I and Lab	BIO 1301 (≥ C-)	3/1	
CHM 1302/1102	General Chemistry I** and Lab	MTH 1600 (≥ C-)	3/1	
MTH 1600	Pre-Calculus	Placement test or MTH 1180 (≥C-)	4	
		YEAR 2 (SPRING)		
BIO 2303/2103	Anatomy & Physiology II and Lab	BIO 2301 (≥ C-)	3/1	
CHM 1303/1103	General Chemistry II and Lab	CHM 1102/1302 (≥C-)	3/1	
MTH 2151	Calculus I	Placement test or MTH 1600 (≥C-)	4	
WRI 1001/1002	Composition and Rhetoric (CU Value II)	By self-placement	4	
		YEAR 3 (FALL)		
CHM 2300/2100	Organic Chemistry I and Lab	CHM 1102/1302 (≥C-)	3/1	
ENV 1300	Environmental Policy		2	
ENV 2100	Environmental Field Sampling		2	
PHY 2300/2100	Physics I	MTH 1600 (≥ C-)	3/1	
WRI 2200	Intensive Research Writing I (CU Value II)		2	
		YEAR 3 (SPRING)		
BIO 3301/3101	Genetics and Lab	BIO 1301 (≥ C-)	3/1	
CHM 2301/2101	Organic Chemistry II and Lab	CHM 2100/2300 (≥C-)	3/1	
COM 2001	Public Speaking (CU Value II)		4	
WRI 2210	Intensive Research Writing II (CU Value II)		2	
		YEAR 4 (FALL)		
BIO 4301/4101	Ecology and Lab		3/1	
CHM 3302/3102	Analytical Chemistry and Lab		3/1	
ENV 2000	Global Sustainability		4	
CHM 4200	Biochemistry	CHM 2300 (≥C)	4	
		YEAR 4 (SPRING)		
BIO 4100	Biology Seminar		4	
BIO 4300	Bioethics		4	
CHM 3301/3101	Environmental Chemistry	CHM 2300 (≥C)	3/1	
ENV 4200	Toxicology		4	
		Total	**120**	

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

BS BIOLOGY: CONCENTRATION IN ENVIRONMENTAL SCIENCE **DEGREE AUDIT WORKSHEET 2023-2024**

STUDENT NAME: _____ DATE: _____

UNIVERSITY CORE REQUIREMENTS (40 CR) **GRADE**

CU Value I: College Transition (8 Credits)

_____ 4CR _____
Broad, Enduring Interest

BIO 1205 Nature of work in the Sciences 2CR _____

_____ 2CR _____
Wellness

CU Value II: Communication (12 Credits)
Written Communication (Requires C- or Better)

WRI 1001 or WRI 1002 4CR _____
WRI 2200 Intensive Research Writing I 2CR _____
WRI 2210 Intensive Research Writing II 2CR _____
COM 2001 Public Speaking 4CR _____

CU Value III: STEM (8 Credits)

*BIO 1301 General Biology I Major _____
*BIO 1101 General Biology I Lab Major _____
MTH 1501 Statistics I Major _____

CU Value IV: Community, Citizenship, & Selves (12 Credits)

ENV 2000 Global Sustainability Major _____
Global Culture

BIO 4300 Bioethics Major _____
Community & Responsibility

_____ 4CR _____

Creative Expression & Self

MAJOR-RELATED REQUIREMENTS (40CR)

*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 (CU Value III)	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	_____

BIOLOGY MAJOR (32 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 4100 Biology Seminar	4CR	_____
BIO 4300 Bioethics (CU Value IV)	4CR	_____
BIO 4301 Ecology	3CR	_____
BIO 4101 Ecology Lab	1CR	_____

Electives (take 4CR from the list below)

BIO 3301 Genetics	3CR	_____
BIO 3101 Genetics Lab	1CR	_____
BIO 3304 Microbiology	3CR	_____
BIO 3104 Microbiology Lab	1CR	_____

ENVIRONMENTAL SCIENCE CONCENTRATION (24CR)

CHM 3301 Environmental Chemistry	3CR	_____
CHM 3101 Environmental Chemistry Lab	1CR	_____
CHM 3302 Analytical Chemistry	3CR	_____
CHM 3102 Analytical Chemistry Lab	1CR	_____
ENV 1300 Environmental Policy	2CR	_____
ENV 1301 Environmental Science	3CR	_____
ENV 1101 Environmental Science Lab	1CR	_____
ENV 2000 Global Sustainability	4CR	_____
ENV 2100 Environmental Field Sampling	2CR	_____
ENV 4200 Toxicology	4CR	_____

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**