

CENTENARY UNIVERSITY
B.S. IN BIOLOGY
RECOMMENDED FOUR-YEAR SEQUENCE
2022-2023

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	_____
CORE 1002	Nature of Work (CU Value I)		2	_____
CORE 1003	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	_____
CORE 1001	First Year Seminar (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 2151 (≥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-), CHM 1303/1103 (≥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: _____

UNIVERSITY CORE REQUIREMENTS (40 CR) GRADE

CU Value I: College Transition (8 Credits)

[Dept] 1105 Broad, Enduring Interest	4CR	_____
[Dept] 1205 Nature of Work	2CR	_____
LAS 1305 Wellness	2CR	_____

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 + Lab*	Major	_____
MTH 1501 Statistics I	Major	_____

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

_____	4CR	_____
Global Culture		

BIO 4300 Bioethics

Community & Responsibility	Major	_____
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_____	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	_____

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 (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	_____
PHY 2301 Physics II	3CR	_____
PHY 2101 Physics II Lab	1 CR	_____

TOTAL NUMBER OF CREDITS: 120

Notes:

- To earn a Bachelor degree, all graduates must successfully complete a minimum of 120 credit hours.
- 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 is not allowed
- *Must earn C- or better**