

CENTENARY UNIVERSITY
B.S. BIOLOGY: PRE-HEALTHCARE CONCENTRATION
RECOMMENDED FOUR-YEAR SEQUENCE
2024-2025

Course #	Title	Prerequisites	Credits	Completed
<u>YEAR 1 (FALL)</u>				
BIO 1201	Introduction to Scientific Work (CU Value I)		2	_____
BIO 1301/1101	General Biology I and Lab (CU Value III)		3/1	_____
CHM 1302/1102	General Chemistry I* and Lab	MTH 1600 (\geq C-)	3/1	_____
LAS 1305	Wellness (CU Value I)		2	_____
CORE	Broad, Enduring Interest (CU Value I)		4	_____
<u>YEAR 1 (SPRING)</u>				
BIO 1302/1102	General Biology II and Lab	BIO 1301 (\geq C-)	3/1	_____
BIO 2300	Medical Terminology		2	_____
CHM 1303/1103	General Chemistry II and Lab	CHM 1302 (\geq C-)	3/1	_____
MTH 2151	Calculus I	Placement test or MTH 1600 (\geq C-)	4	_____
<u>YEAR 2 (FALL)</u>				
BIO 2302/2102	Anatomy & Physiology I and Lab	BIO 1301 (\geq C-)	3/1	_____
CHM 2300/2100	Organic Chemistry I and Lab	CHM 1303 (\geq C-)	3/1	_____
MTH 1501	Statistics I (CU Value III)		4	_____
WRI 1001/1002	Composition & Rhetoric (CU Value II)	By self-placement	4	_____
<u>YEAR 2 (SPRING)</u>				
BIO 2303/2103	Anatomy & Physiology II and Lab	BIO 2302 (\geq C-)	3/1	_____
CHM 2301/2101	Organic Chemistry II and Lab	CHM 2300 (\geq C-)	3/1	_____
MTH 1502	Statistics II	MTH 1501	4	_____
PUB 2000	The History of Public Health		3	_____
<u>YEAR 3 (FALL)</u>				
BIO 3304/3104	Microbiology and Lab	BIO 1301 (\geq C-)	3/1	_____
CHM 4200	Biochemistry	CHM 2300 (\geq C)	4	_____
PHY 2300/2100	Physics I and Lab	MTH 1600 (\geq C-)	3/1	_____
WRI 2200	Intensive Research Writing I	WRI 1001 or 1002	2	_____
<u>YEAR 3 (SPRING)</u>				
BIO 3301/3101	Genetics and Lab	BIO 1301 (\geq C-)	3/1	_____
BIO 3305/3105	Human Physiology and Lab	BIO 2303 (\geq C-)	3/1	_____
PHY 2301/2101	Physics II and Lab	PHY 2300 (\geq C-)	3/1	_____
WRI 2210	Intensive Research Writing II	WRI 1001 or 1002	2	_____
<u>YEAR 4 (FALL)</u>				
BIO 3306/3106	Cellular & Molecular Biology	BIO 1301 (\geq C-)	3/1	_____
BIO 3320	Immunology	BIO 1301 (\geq C-)	3	_____
CORE	Creative Expression & Self (CU Value IV)		4	_____
PSY 1000	Introduction to Psychology		4	_____
<u>YEAR 4 (SPRING)</u>				
BIO 4100	Biology Seminar	Senior standing	4	_____
BIO 4300	Bioethics	Sophomore standing	4	_____
COM 2001	Public Speaking (CU Value II)		4	_____
CORE	Cultural Understanding in a Global Context (CU Value IV)		4	_____
			Total	120

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

B.S. BIOLOGY: PRE-HEALTHCARE CONCENTRATION

DEGREE AUDIT WORKSHEET

2024-2025

STUDENT NAME: _____

DATE: _____

UNIVERSITY CORE REQUIREMENTS (40 CR) GRADE

Academic Foundations (8 Credits)

[Dept] 1105 Broad, Enduring Interest	4CR	_____
BIO 1201 Introduction to Scientific Work	2CR	_____
LAS 1305 Wellness	2CR	_____

Communication (12 Credits)

(Written Communication requires C- or Better)

WRI 1001 Composition and Rhetoric I or		
WRI1002 Composition and Rhetoric II	4CR	_____
WRI 2200 Intensive Writing Research I	2CR	_____
WRI 2210 Intensive Writing Research II	2CR	_____
COM 2001 Public Speaking	4CR	_____

STEM Engagement (8 Credits)

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

Culture & Society (12 Credits)

_____	4CR	_____
Cultural Understanding in a Global Context		
BIO 4300 Bioethics	Major	_____
Social & Community Responsibility		
_____	4CR	_____
Creative Expression & Creative Self		

Related Major Requirements (12CR)

MTH 1501 Statistics I	4CR	_____
MTH 1502 Statistics II	4CR	_____
*MTH 2151 Calculus I	4CR	_____

BIOLOGY MAJOR* (38CR)

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 2300 Medical Terminology	2CR	_____
BIO 3301 Genetics	3CR	_____
BIO 3101 Genetics Lab	1CR	_____
BIO 3306 Cellular & Molecular Biology	3CR	_____
BIO 3106 Cellular & Molecular Biology	1CR	_____
BIO 3304 Microbiology	3CR	_____
BIO 3104 Microbiology Lab	1CR	_____
BIO 4100 Biology Seminar	4CR	_____
BIO 4300 Bioethics	4CR	_____

HEALTHCARE CONCENTRATION (42CR)

BIO 3305 Human Physiology	3CR	_____
BIO 3105 Human Physiology Lab	1CR	_____
BIO 3320 Immunology	3CR	_____
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	_____
PHY 2300 Physics I*	3CR	_____
PHY 2100 Physics I Lab	1CR	_____
PHY 2301 Physics II	3CR	_____
PHY 2101 Physics II Lab	1CR	_____
PSY 1000 Introduction to Psychology	4CR	_____
PUB 2000 The History of Public Health	3CR	_____

TOTAL NUMBER OF CREDITS: 120

Notes:

1. To earn a Bachelor's degree, all graduates must successfully complete a minimum of 120 credit hours.
2. A 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 are not allowed
7. * **Must earn C- or better**