

DEGREE: Bachelor of Science

Biology and Chemistry Department

Hours in General Education

57

MAJOR: Biology

Hours in Major

35

CONCENTRATION: Health Professions (HPC)

Hours in Concentration

12

(Physician Assistant, Physical Therapy, Pharmacy, etc.)

Hours in Cognate

22

Name _____

Z No. _____

Date _____

Telephone _____

Email _____

COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS	COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS
FRESHMAN Semester 1				FRESHMAN Semester 2			
_____	*BIO 105	Fundamental of BIO	3	_____	BIO 112	Introductory Biology II Lecture	3
		OR		_____	BIO 112L	Introductory Biology II Laboratory	1
_____	BIO 111	Introductory Biology I Lecture	3	_____	BIO 209	Methods in Biotechnology*	1
_____	BIO 111L	Introductory Biology I Laboratory	1	_____	CHE 112	General Chemistry II Lecture	3
_____	CHE 111	General Chemistry I Lecture	3	_____	CHE 112L	General Chemistry II Laboratory	1
_____	CHE 111L	General Chemistry I Laboratory	1	_____	HUM _____	Humanities Elective	3
_____	COMP 102	Composition II	3	_____	HPE 155	Health Fitness	1
_____	PHP 100	Prehealth Seminar	1	_____	THE 105	Spirit-Empowered Living II	2
_____	GEN 150	Intro. to Whole Person Education	1				15
_____	PRFH 070	Swimming Proficiency	0	* can be taken in semester 3 or 4			
_____	THE 104	Spirit-Empowered Living I	2				
			15				

*Prerequisite for BIO 111 based on ACT/SAT score

SOPHOMORE Semester 3				SOPHOMORE Semester 4			
_____	PHS 223	Human Anatomy Lecture	3	_____	BIO _____	Biology Elective Lecture	3
_____	PHS 223L	Human Anatomy Laboratory	1	_____	BIO _____	Biology Elective Laboratory	1
_____	CHE 211	Organic Chemistry I Lecture	3	_____	BIO 259	Medical Terminology	2
_____	CHE 211L	Organic Chemistry I Laboratory	1	_____	CHE 212	Organic Chemistry II Lecture	3
_____	BIO 200	Human Cadaver Dissection	1	_____	CHE 212L	Organic Chemistry II Laboratory	1
_____	GEN 301	General Education Elective	3	_____	BIO _____	Elective***	3
_____	MAT 106/201	Trigonometry or Calculus I	3	_____	BLIT _____	NT Biblical Literature Elective	2
_____	BLIT _____	OT Biblical Literature Elective	2	_____	HPE _____	HPE Activity	0.5
_____	HPE _____	HPE activity	0.5				15.5
			17.5				

JUNIOR Semester 5				JUNIOR Semester 6			
_____	PHY 101	General Physics I Lecture	3	_____	BIO 372	Introduction to Biological Research	2
_____	PHY 101L	General Physics I Laboratory	1	_____	PHY 102	General Physics II Lecture	3
_____	BIO _____	Biology Elective Lecture	3	_____	PHY 102L	General Physics II Laboratory	1
_____	BIO _____	Biology Elective Laboratory	1	_____	PHS 224	Human Physiology Lecture	3
_____	MAT 232	Elementary statistics	3	_____	PHS 224L	Human Physiology Laboratory	1
_____	101	Foreign Language	3	_____	COM 101	Oral Communication	3
_____	HPE _____	HPE Activity	0.5	_____	_____	Social Science Elective	3
			14.5	_____	HPE _____	HPE Activity	0.5
							16.5

Take PCAT, GRE, or other preprofessional exam at the end of junior year

SENIOR Semester 7				SENIOR Semester 8			
_____	BIO 499	Research and Senior Paper	3	_____	BIO 451	Biology Seminar	1
_____	COMP 303	Critical Reading and Writing	3	_____	GEN 456	Biomedical Ethics	3
_____	BIO _____	Biology Elective Lecture	3	_____	BIO _____	Biology Elective Lecture	3
_____	BIO _____	Biology Elective Laboratory	1	_____	BIO _____	Biology Elective Laboratory	1
_____	BIO 312	Ecology Lecture	3	_____	GEN _____	380/420/434 Gen. Education Elec.	3
_____	BIO 312L	Ecology Laboratory	1	_____	HUM _____	Humanities Elective	3
_____	HIS/GOV _____	Civics Elective	3	_____	HPE _____	HPE Activity	0.5
_____	HPE 400	Lifelong Wellness	0.5				14.5
			17.5				

*** Follow course recommendations of the prehealth advisor for you specific health professions program

This degree plan sheet is intended to be used as a guide to make academic choices of the courses offered. This does not constitute a contract.

Biology and Chemistry Department
B.S. in Biology (BIO) - Concentration: Health Professions (HPC)

2018-2019

			Credit Hours
General Education			
Introduction to Whole Person Education (GEN 150) - counts as HPE activity			1
Oral Communication (COM 101)			3
Composition (COMP 102, COMP 303)			6
Civics (GOV 101, GOV 103, HIS 110, HIS 111, OR HIS 200)			3
Humanities (HUM 201*, 202*, 203*, 204*, 333; ART 103, 104, 307; DANP 125; DRAM 215, 304; MUS 300)			6
*At least one course must be chosen from courses marked with asterisks			
Foreign Language (101, 102, 203, or 204)			3
Biblical Literature (BLIT 111 and 122 or BIB 222 and BIB 261)			4
General Physics I Lecture and Laboratory (PHY 101)			4
General Physics II Lecture and Laboratory (PHY 102)			4
Theology (THE 104, 105)			4
Quantitative Literacy (MAT 325)			3
Health, Leisure and Sport Sciences (HPE 155, 400; PRF 070) One HPE course per full-time semester at ORU			4
Social Science (SOC 101, 201, 323, PSY 201, SWK 202, MUS 208, BUS 201, FIN 244)			3
General Education Electives (GEN 301, 380**, 420**, 434**)			6
GEN 456 Biomedical Ethics			3
**At least one course must be chosen from courses marked with two asterisks			
General Education Total			57
Major			
Introductory Biology Lecture and Laboratory (BIO 111 and 112)			8
Methods in Biotechnology (BIO 209)			1
Introduction to Biological Research (BIO 372)			2
Ecology Lecture and Laboratory (BIO 312)**			4
Biology Seminar (BIO 451)			1
Research/Senior Paper (BIO 499)			3
Biology Electives (Choose any four of the following and include one of the following recommended courses*)			16
BIO	310	Microbiology Lecture and Laboratory	
BIO	311	Medical Genetics Lecture and Laboratory*	
BIO	410	Medical Parasitology	
BIO	411	Molecular Cell Biology Lecture and Laboratory*	
BIO	431	Developmental Biology Lecture and Laboratory	
BIO	457	Principles of Immunology Lecture and Laboratory	
BIO	454	Special Topics (May be taken only once.)	
**May be replaced by BIO 458 Marine Ecology or AUS courses			
Major Total			35
Cognate			
Mathematics (choice of the following):			3
MAT	106	Trigonometry	3
MAT	201	Calculus	4
General Chemistry I and II Lecture and Laboratory (CHE 111 and 112)			8
Organic Chemistry I and II Lecture and Laboratory (CHE 211 and 212)			8
Upper division Biology course (Lecture only)			3
			22
Concentration			
Human Anatomy Lecture and Laboratory (PHS 223)			4
Human Physiology Lecture and Laboratory (PHS 224)			4
Prehealth Seminar (PHP 100)			1
Human Cadaver Dissection (BIO 200)			1
Medical Terminology (BIO 259)			2
Concentration Total			12
Degree Total			126