ORAL ROBERTS UNIVERSITY DEGREE: Bachelor of Science MAJOR: Biomedical Chemistry (BMC) MINOR: Biology Name Z No. Telephone				DEGREE PLAN Biology and Cho		nt _		TOTAL HOURS REQUIRED Hours in General Education Hours in Major Hours in Cognate Hours in Minor Hours in Electives	128 56 34 14 21	
COURSE EARNED	COURSE CODE		COURSE TITLE		CREDIT HOURS	COURSE EARNED	COURS	SE	COURSE TITLE	CREDIT HOURS
	CHE CHE MAT BIO BIO PRF GEN COMP	111 111L 201 111 111L 070 150 102	Calculus I Introductory Bi	istry I Lecture istry I Laboratory ology I Lecture ology I Laboratory ficiency	3 1 4 3 1 0 1 3		FRESHMAN Semester 2 CHE 112 General Chemistry II Lecture CHE 112L General Chemistry II Laborate MAT 202 Calculus II BIO 112 Introductory Biology II Lecture BIO 112L Introductory Biology II Labora COM 101 Oral Communication HPE 001 Health Fitness I PHP 100 Prehealth Seminar	General Chemistry II Lecture General Chemistry II Laboratory Calculus II Introductory Biology II Lecture Introductory Biology II Laboratory Oral Communication Health Fitness I	3 1 4 3 1 3 1 1 1	
	CHE CHE PHY PHY BIO BIO BLIT HPE	211 211L 101 101L 310 310L 110	General Physic General Physic Microbiology L Microbiology L	istry I Lecture istry I Laboratory cs I Lecture cs I Laboratory ecture aboratory Testament Literature	3 1 3 1 3 1 3 0.5		CHE CHE CHE CHE PHY PHY BLIT HUM HPE	300 300L 102	SOPHOMORE Semester 4 Organic Chemistry II Lecture Organic Chemistry II Laboratory Quantitative Analysis Lecture Quantitative Analysis Laboratory General Physics II Lecture General Physics II Laboratory Survey of New Testament Literature Christian Worldview and Culture HPE Activity	3 1 2 2 3 1 3 3 0.5

 CHE	400	Chemical Instrumentation Lecture	2		CHE 449	Chemistry Research	1
 CHE	400L	Chemical Instrumentation Laboratory	2		CHE	Chemistry Elective	3
 CHE	459	Biochemistry Lecture	3		COMP 303	Critical Reading and Writing	3
 BIO	290	Methods in Biotechnology	1		THE 103	Spirit Enpowered Living	3
 BIO		Biology Elective Lecture	3		PSY	Behavioral Science Elective	3
 BIO		Biology Elective Lab	1		HPE	HPE Activity	0.5
PSY	201	Principles of Psychology	3		Prepare for	Summer Internship Program	0
 HPE		HPE Activity	0.5		•		13.5
		<u>-</u>	15.5				
		CHEMISTRY INTER	RNSHIP	DURING	THE SUMMER		
		SENIOR Semester 7				SENIOR Semester 8	
 CHE	303	Physical Chemistry I Lecture	3		CHE 303L	Physical Chemistry I Laboratory	1
a			_		a		

JUNIOR Semester 6

CHE 499 Individual Research and Senior Papi CHE 452 Seminar 101 HIS American History CHE Chemistry Elective **Humanities Elective** 3 HUM **Humanities Elective** HUM 101 **Humanities Elective** 3 GOV American Government HUM **HPE HPE Activity** BIO Biology Elective Lecture and Lab BIO **Human Cadaver Dissection** HPE **HPE Activity** ***See pre-med advisor and recommendations on back page.

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.

JUNIOR Semester 5

Biology and Chemistry Department nistry (BMC) - Minor: Biology

B.S. in Biomedical Chemistry (BMC) - Minor: Biology 2017-2						
General Education		Credit Hours				
Whole Person Asses	sment (GEN 150)	1				
	and II Lecture and Laboratory	8				
Oral Communication		3				
English (COMP 102,	· · · · · · · · · · · · · · · · · · ·	6				
American History (HIS		3				
	and Culture (HUM 103)	3				
	(Choice of three of the following:	9				
	2*, 233*, 244*, 333*, 250, 255, 260, 270; COMP 101)	-				
American Governmer	·	3				
Mathematics (MAT 20		4				
Biblical Literature (BL		6				
Theology (THE 103)		3				
·	Sport Sciences (HPE 001, 002; PRF 070) One HPE course per full-time semester at C					
	ves (Choice of one of the following): FIN 244; PSY 201; SOC 201;	3				
	3; SWK 202; SOC 101; SOC 323; BUS 201	·				
	General Education Total	56				
Major						
=	and II Lecture and Laboratory (CHE 211 and CHE 212)	8				
	Lecture and Laboratory (CHE 300) (S)	4				
	Lecture and Laboratory (CHE 303) (F), (CHE 303L) (S)	4				
•	ation Lecture and Laboratory (CHE 400) (F)	4				
Chemistry Research		1				
Seminar (CHE 452) (1				
, , ,	and Senior Paper (CHE 499) <i>(F)</i>	3				
	following courses: CHE 459, CHE 455, CHE 473	6				
	following courses: CHE 469, CHE 456, CHE 304	3				
Choose one nom the	Major Total	34				
	Major Total	34				
Cognate						
Calculus II (MAT 202)		4				
Prehealth Seminar (F		1				
	cture and Laboratory (PHY 101) (F)	4				
	cture and Laboratory (PHY 102) (S)	4				
Human Cadaver Diss		1				
Tiulilali Cauavei Diss	Cognate Total	14				
Minor	Cognate rotal	14				
BIO 111	Introductory Biology I Locture and Laboratory	1				
BIO 112	Introductory Biology I Lecture and Laboratory Introductory Biology II Lecture and Laboratory	4 4				
BIO 209	Methods in Biotechnology	1				
BIO 310	Microbiology Lecture and Laboratory (F)	4				
	e following courses:	8				
BIO 311	Medical Genetics Lecture and Laboratory (S)	O				
BIO 311	Human Ecology or Biology Field Course Lecture and Lab (F)					
BIO 410	Medical Parasitology Lecture and Lab (F)					
BIO 411	Molecular Cell Biology Lecture and Laboratory (F)					
BIO 421	General and Comparative Physiology Lecture and Laboratory					
BIO 431	Developmental Biology Lecture and Laboratory (S)					
BIO 451	• • • • • • • • • • • • • • • • • • • •					
	Special Topics Lecture and Laboratory					
BIO 457	Principles of Immunology Lecture and Laboratory (S) Minor Total	21				
Chanca and from th		3				
PSY 212	e following courses:	3				
PSY 212	, 0,					
PSY 338	1 , 0,					
PSY 338						
PS1 300	, , , ,,	420				
	Degree Total	128				