

ORAL ROBERTS UNIVERSITY

DEGREE PLAN SHEET 2013-2014

TOTAL HOURS REQUIRED

128

DEGREE: **Bachelor of Science****Biology and Chemistry Department**

Hours in General Education

56

MAJOR: **Chemistry (CHE)**

Hours in Major

37

Hours in Cognate

18

Hours in Electives

17

Name _____

Z No. _____

Telephone _____

Advisor _____

COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS	COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS
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FRESHMAN Semester 1

_____	CHE	111	General Chemistry I Lecture	3
_____	CHE	111	General Chemistry I Laboratory	1
_____	MAT	201	Calculus I	4
_____	COMP	102	Reading and Writing in Liberal Arts	3
_____	_____	_____	General Elective	3
_____	HPE	001	Health Fitness I	1
_____	PRF	070	Swimming Proficiency	0
_____	GEN	099	Whole Person Assessment	0
				<u>15</u>

FRESHMAN Semester 2

_____	CHE	112	General Chemistry II Lecture	3
_____	CHE	112	General Chemistry II Lab	1
_____	MAT	202	Calculus II	4
_____	PHY	111	Physics I Lecture*	3
_____	PHY	111	Physics I Laboratory*	1
_____	COM	101	Oral Communication	3
_____	HPE	002	Health Fitness II	1
				<u>16</u>

*May substitute PHY 101 (lecture and lab)

SOPHOMORE Semester 3

_____	CHE	211	Organic Chemistry I Lecture	3
_____	CHE	211	Organic Chemistry I Laboratory	1
_____	PHY	112	Physics II Lecture*	3
_____	PHY	112	Physics II Laboratory*	1
_____	HUM	103	Christian Worldview and Culture	3
_____	HIS	101	American History	3
_____	BLIT	110	Survey of Old Testament Literature	3
_____	HPE	_____	HPE Activity	0.5
				<u>17.5</u>

*May substitute PHY 102 (lecture and lab)

SOPHOMORE Semester 4

_____	CHE	212	Organic Chemistry II Lecture	3
_____	CHE	212	Organic Chemistry II Lab	1
_____	CHE	300	Quantitative Analysis Lecture	2
_____	CHE	300	Quantitative Analysis Lab	2
_____	MAT	211	Differential Equations	3
_____	CSC	111	Introduction to Computing	3
_____	BLIT	120	Survey of New Testament Literature	3
_____	HPE	_____	HPE Activity	0.5
				<u>17.5</u>

JUNIOR Semester 5

_____	CHE	303	Physical Chemistry I Lecture	3
_____	CHE	400	Chemical Instrumentation Lecture	2
_____	CHE	400	Chemical Instrumentation Lab	2
_____	THE	103	Spirit-Empowered Living	3
_____	_____	_____	Social Science Elective	3
_____	HUM	_____	Humanities Elective	3
_____	HPE	_____	HPE Activity	0.5
				<u>16.5</u>

JUNIOR Semester 6

_____	CHE	303	Physical Chemistry I Lab	1
_____	CHE	304	Physical Chemistry II Lecture	3
_____	CHE	449	Chemistry Research	1
_____	GOV	101	American Government	3
_____	COMP	303	Critical Reading and Writing	3
_____	HUM	_____	Humanities Elective	3
_____	_____	_____	General Elective	3
_____	HPE	_____	HPE Activity	0.5
				<u>17.5</u>

CHEMISTRY INTERNSHIP DURING THE SUMMER**SENIOR Semester 7**

_____	CHE	499	Individual Research and Senior Paper	3
_____	CHE	_____	Major Elective	3
_____	CHE	_____	Major Elective	3
_____	_____	_____	General Elective	3
_____	_____	_____	General Elective	3
_____	HPE	_____	HPE Activity	0.5
				<u>15.5</u>

SENIOR Semester 8

_____	CHE	452	Seminar	1
_____	CHE	456	Inorganic Chemistry	3
_____	HUM	_____	Humanities Elective	3
_____	_____	_____	General Elective	3
_____	_____	_____	General Elective	3
_____	HPE	_____	HPE Activity	0.5
				<u>13.5</u>

DEGREE PLAN SHEET 2013-2014

Biology and Chemistry Department
Chemistry (CHE) Major

Total Hours Required: 128

GENERAL EDUCATION REQUIREMENTS				MAJOR REQUIREMENTS				
56 Credit Hours Required				31 Credit Hours Required				
				Credit Hours				Credit Hours
For the Spirit								
_____	BLIT	110	Survey of Old Testament Literature	3	_____	CHE 211	Organic Chemistry I Lecture	3
_____	BLIT	120	Survey of New Testament Literature	3	_____	CHE 211	Organic Chemistry I Laboratory	1
_____	THE	103	Spirit-Empowered Living	3	_____	CHE 212	Organic Chemistry II Lecture	3
For the Mind					_____	CHE 212	Organic Chemistry II Laboratory	1
_____	GEN	099	Whole Person Assessment	0	_____	CHE 300	Quantitative Analysis Lecture (S)	2
_____	CHE	111	General Chemistry I Lecture	3	_____	CHE 300	Quantitative Analysis Laboratory (S)	2
_____	CHE	111	General Chemistry I Laboratory	1	_____	CHE 303	Physical Chemistry I Lecture (F)	3
_____	CHE	112	General Chemistry II Lecture	3	_____	CHE 303	Physical Chemistry I Laboratory (S)	1
_____	CHE	112	General Chemistry II Laboratory	1	_____	CHE 304	Physical Chemistry II Lecture (S)	3
_____	COM	101	Oral Communication	3	_____	CHE 400	Chemical Instrumentation Lecture (F)	2
_____	COMP	102	Reading and Writing in the Liberal Arts	3	_____	CHE 400	Chemical Instrumentation Laboratory (F)	2
_____	COMP	303	Critical Reading and Writing (S Jr. Year)	3	_____	CHE 449	Chemistry Research (S)	1
_____	GOV	101	American Government	3	_____	CHE 452	Seminar (S)	1
_____	HIS	101	American History	3	_____	CHE 456	Inorganic Chemistry (S)	3
_____	MAT	201	Calculus I	4	_____	CHE 499	Individual Research and Senior Paper (F)	3
_____	HUM	103	Christian Worldview and Culture	3	MAJOR ELECTIVES			
_____	_____	_____	Humanities Electives (choice of 3 required)	9	6 Credit Hours Required			
_____	_____	_____	HUM 222*, 233*, 244*, 333*,		Choose two from the following courses:			
_____	_____	_____	HUM 250, 255, 260, 270, COMP 101		_____	CHE 455	Oncological Chemistry (S)	3
_____	_____	_____	Social Sciences Elective (1 required)	3	_____	CHE 459	Biochemistry Lecture	3
_____	_____	_____	FIN 244; PSY 201; SOC 201; MUS 208		_____	CHE 473	Medicinal Chemistry (F)	3
_____	_____	_____	SWK 202; SOC 101; SOC 323; BUS 201		COGNATE REQUIREMENTS			
For the Body					18 Credit Hours Required			
_____	HPE	001	Health Fitness I	1	_____	MAT 202	Calculus II	4
_____	HPE	002	Health Fitness II	1	_____	MAT 211	Differential Equations (S)	3
_____	PRF	070	Swimming Course or Proficiency	0	_____	CSC 111	Introduction to Computing	3
_____	_____	_____	One HPE course per full-time semester at ORU	3	_____	Choose one pair from the following courses:		8
GENERAL ELECTIVES					_____	PHY 101	General Physics I Lec and Lab (F)	4
17 Credit Hours Required				17.0	_____	PHY 102	General Physics II Lec and Lab (S)	4
Seek your Advisor's advice.				17	OR			
					_____	PHY 111	Physics I Lec and Lab	4
					_____	PHY 112	Physics II Lec and Lab	4