

DEGREE: **Bachelor of Science**

Biology and Chemistry Department

Hours in General Education

55

MAJOR: **Medical Molecular Biology (MMB)**

Hours in Major

22

CONCENTRATION: **Premedicine (PMDC)**

Hours in Major Elective

16

MINOR: Biochemistry

Hours in Minor

20

Hours in Cognate

15

Name _____
 Z No. _____ Date _____
 Telephone _____ Email _____
 Advisor _____

COURSE EARNED	COURSE CODE	COURSE TITLE	CREDIT HOURS	COURSE CODE	COURSE TITLE	CREDIT HOURS	
FRESHMAN Semester 1				FRESHMAN Semester 2			
_____	BIO 111	Introductory Biology I Lecture	3	_____	BIO 112	Introductory Biology II Lecture	3
_____	BIO 111L	Introductory Biology I Lab	1	_____	BIO 112L	Introductory Biology II Lab	1
_____	CHE 111	General Chemistry I Lecture	3	_____	BIO 209	Methods in Biotechnology	1
_____	CHE 111L	General Chemistry I Lab	1	_____	CHE 112	General Chemistry II Lecture	3
_____	MAT 106/2	Trigonometry or Calculus I	3-4	_____	CHE 112L	General Chemistry II Lab	1
_____	COMP 102	Reading and Writing in Liberal Arts	3	_____	HPE 001	Health Fitness I	1
_____	PRF 070	Swimming Proficiency	0	_____	PHP 100	Prehealth Seminar	1
_____	GEN 150	Whole Person Assessment	1	_____	PSY 201	Principles of Psychology	3
			<u>15-16</u>				<u>14</u>

SOPHOMORE Semester 3				SOPHOMORE Semester 4			
_____	BIO 310	Microbiology Lecture	3	_____	BIO _____	Biology Elective Lecture	3
_____	BIO 310L	Microbiology Lab	1	_____	BIO _____	Biology Elective Lab	1
_____	CHE 211	Organic Chemistry I Lecture	3	_____	CHE 212	Organic Chemistry II Lecture	3
_____	CHE 211L	Organic Chemistry I Lab	1	_____	CHE 212L	Organic Chemistry II Lab	1
_____	BLIT 110	Survey of Old Testament Literature	3	_____	HUM _____	Humanities Elective	3
_____	HPE _____	HPE Activity	0.5	_____	HIS 101	American History	3
_____	PSY 338	Psychology of Abnormal Behavior	3.0	_____	HPE _____	HPE Activity	0.5
			<u>14.5</u>	_____	PSY 305	Physiological Psychology	3
_____	HPE 002	Health Fitness II	0.5				<u>17.5</u>

JUNIOR Semester 5				JUNIOR Semester 6			
_____	PHY 101	General Physics I Lecture/lab	3	_____	BIO 372	Introduction to Biological Research	1
_____	PHY 101L	General Physics I Lab	1	_____	PHY 102	General Physics II Lecture/lab	3
_____	BIO _____	Biology Elective Lecture	3	_____	PHY 102L	General Physics II Lab	1
_____	BIO _____	Biology Elective Lab	1	_____	BIO _____	Biology Elective Lecture	3
_____	BLIT 120	Survey of New Testament Literature	3	_____	BIO _____	Biology Elective Lab	1
_____	GOV 101	American Government	3	_____	HUM _____	Humanities Elective	3
_____	HPE _____	HPE Activity	0.5	_____	HPE _____	HPE Activity	0.5
_____	PSY 301	Developmental Psychology	3	_____	PSY _____	Psychology Elective	3
			<u>17.5</u>				<u>15.5</u>

MCAT is HIGHLY recommended to be taken at the end of junior year, April-August

SENIOR Semester 7				SENIOR Semester 8			
_____	BIO 499	Research and Senior Paper	3	_____	BIO 451	Biology Seminar	1
_____	COM 101	Oral Communication	3	_____	BIO 456	Biomedical ethics	3
_____	HUM 103	Christian Worldview and Culture	3	_____	HUM _____	Humanities Elective	3
_____	CHE 459	Biochemistry Lecture	3	_____	COMP 303	Critical Reading and Writing	3
_____	CHE 459L	Biochemistry Lab	1	_____	THE 103	Spirit Empowered Living	3
_____	BIO _____	Biology Elective Lecture	3	_____	HPE _____	HPE Activity	0.5
_____	BIO _____	Biology Elective Lab	1	_____	MAT 232	Elementary statistics	3
_____	HPE _____	HPE Activity	0.5				<u>16.5</u>
			<u>17.5</u>				

Biology and Chemistry Department
B.S. in Medical Molecular Biology (MMB) - Concentration: Premedicine (PMDC)

2017-2018

	Credit Hours
General Education	
Whole Person Assessment (GEN 150)	1
Biblical Literature (BLIT 110, 120)	6
Theology (THE 103)	3
General Physics I Lecture and Laboratory (PHY 101 or PHY 111)	4
General Physics II Lecture and Laboratory (PHY 102 or PHY 112)	4
Oral Communication (COM 101)	3
English (COMP 102, COMP 303)	6
American Government (GOV 101)	3
American History (HIS 101)	3
Christian Worldview and Culture (HUM 103)	3
Humanities Electives (3 required)	9
HUM 222, 233, 244, 333, 250, 255, 260, 270; MAT 315	
Mathematics (MAT 106 or MAT 201)	3
Health Leisure and Sport Sciences (HPE 001, 002; PRF 070) One HPE course per full-time semester	4
Social Science (PSY 201)	3
General Education Total	<hr/> 55
 Major	
Introductory Biology Lecture and Laboratory (BIO 111 and 112) (F/S)	8
Methods in Biotechnology (BIO 209) (F/S)	1
Microbiology Lecture and laboratory (BIO 310) (F)	4
Introduction to Biological Research (BIO 372) (F/S)	1
Research/Senior Paper (BIO 499) (F)	3
Biology Seminar (BIO 451) (S)	1
Biomedical Ethics (BIO 456) (F/S)	3
Prehealth Seminar (PHP 100) (F/S)	1
Choose four from the following:	16
BIO 311 Medical Genetics Lecture and Laboratory (F/S)	
BIO 312 Human Ecology Lecture and Laboratory (F/S)	
BIO 410 Medical Parasitology Lecture and Laboratory (F)	
BIO 411 Molecular Cell Biology Lecture and Laboratory (F)	
BIO 431 Developmental Biology Lecture and Laboratory (F)	
BIO 457 Principles of Immunology Lecture and Laboratory (S)	
BIO 454 Special Topics Lecture and Laboratory**	
 **Can be taken only once	
Major Total	<hr/> 38
 Minor	
General Chemistry Lecture and Laboratory (CHE 111 and CHE 112) (F/S)	8
Organic Chemistry Lecture and Laboratory (CHE 211 and CHE 212) (F/S)	8
Biochemistry Lecture and Laboratory (CHE 459) (F/S)	4
Minor Total	<hr/> 20
 Cognate	
Developmental Psychology (PSY 301) (F/S)	3
Physiological Psychology (PSY 305) (S)	3
Psychology of Abnormal Behavior (PSY 338) (F/S)	3
Psychology elective	3
Elementary statistics (MAT 232)	3
Cognate Total	<hr/> 15
 ***Enrolling in 3 additional hours of Psychology will earn a minor	
Degree Total	<hr/> 128