## **SCHOOL OF SCIENCES AND MATHEMATICS**

## **2011-12 BIOCHEMISTRY BS DEGREE PLAN**

2011-12 BIOCHEMISTRY BS DEGREE PLAN									
FIRST YEAR - FRESHMAN									
Fall Semester				Spring Semester					
	Crse#		Hrs		Crse#		Hrs		
MAT	120	Precalculus <sup>3</sup>	4	MAT	122	,	5		
CHE	121	General Chemistry I	3	CHE	122	General Chemistry II <sup>3</sup>	3		
CHE	121L	General Chemistry I Lab	1	CHE	122L	,	1		
ENG	101	English Composition I <sup>1</sup>	3	BIO	112	General Biology II*1	4		
ACA	150	University Foundations <sup>1</sup>	1	ENG	102	English Composition II <sup>1</sup>	3		
PEA		PEA Activity Course <sup>1</sup>	1	BIB	122	Acts of the Apostles <sup>1</sup>	2		
BIB	121	Life of Christ <sup>1</sup>	2						
			15				18		
	SECOND YEAR - SOPHOMORE								
	Fall Semester				Spring Semester				
Dept	Crse#	Course Name	Hrs	Dept	Crse#	Course Name	Hrs		
BIO		Biology Elective	4	BIO		Biology Elective	4		
PHS	211	Physics for Sci. & Engr. I <sup>2</sup>	4	PHS	212	Physics for Sci. & Engr. II	4		
CHE	321	Organic Chemistry I <sup>3</sup>	4	CHE	322	Organic Chemistry II <sup>3</sup>	4		
COM	140	Speech Communication <sup>1</sup>	3			Elective	3		
BIB		Bible	2	BIB		Bible	2		
			17 D YEA				17		
	Fall Semester				Spring Semester				
	Crse#		Hrs	Dept	Crse#		Hrs		
CHE	421	Physical Chemistry <sup>3</sup>	4			Fine Arts <sup>1</sup>	3		
ENG		Literature <sup>1</sup>	3	CHE		UD Chem. Elective <sup>3</sup>	4		
BIO	333	Cell Bio. & Mol. Genetics <sup>3</sup>	4	HIS		History <sup>1</sup>	3		
PEA	100	Lifetime Wellness <sup>1</sup>	1			Math/Science for BS Degr	3		
BIB	346	Foundations of Faith <sup>1</sup>	3	BIB		Bible	2		
			15				15		
			ГН ҮЕ	AR - SENIOR					
Fall Semester				Spring Semester  Dept Crse# Course Name H					
				Dent	K'rca#	Course Name	Hrs		
	Crse#		Hrs						
CHE	221	Analytical Chem. <sup>3</sup>	4	CHE	400	Chemistry Seminar <sup>3</sup>	1		
		Analytical Chem. <sup>3</sup> Biochemistry I <sup>3</sup>	4	CHE CHE	400 332	Chemistry Seminar <sup>3</sup> Biochemistry II <sup>3</sup>	4		
CHE	221	Analytical Chem. <sup>3</sup> Biochemistry I <sup>3</sup> Behavioral Science <sup>1</sup>	4 4 3	CHE	400	Chemistry Seminar <sup>3</sup> Biochemistry II <sup>3</sup> Values in Hum. Tht. & Act	4		
CHE	221	Analytical Chem. <sup>3</sup> Biochemistry I <sup>3</sup> Behavioral Science <sup>1</sup> Humanities <sup>1</sup>	4 4 3 3	CHE CHE	400 332	Chemistry Seminar <sup>3</sup> Biochemistry II <sup>3</sup> Values in Hum. Tht. & Act UD Chem. Elective <sup>3</sup>	4 3 3		
CHE	221	Analytical Chem. <sup>3</sup> Biochemistry I <sup>3</sup> Behavioral Science <sup>1</sup>	4 4 3	CHE CHE BIB	400 332	Chemistry Seminar <sup>3</sup> Biochemistry II <sup>3</sup> Values in Hum. Tht. & Act	4		

<sup>&</sup>lt;sup>1</sup>General Education Requirement

<sup>&</sup>lt;sup>2</sup>General Education Course Requirements in *Undergraduate Catalog* 

<sup>&</sup>lt;sup>3</sup>Course has prerequisite. See corresponding *Undergraduate Catalog* 

## ADDITIONAL ITEMS RELATED TO THE MAJOR

\* Recommended course to meet general education Biology requirement.

Students may also use CHE498 or HON498 Independent Study (must be chemistry related) for up to 3 of the required 7 additional credit hours.

## The following guidelines are important. Failure to follow these guidelines may

- 1. Plan schedules carefully. Plan to fulfill prerequisites for future courses.
- 2. Do not alter the sequence of courses without consulting with your academic
- Before the enrollment period, check to make sure holds will not prevent you from registration.
- 4. Register for classes early during the registration period to secure classes.

The Four-Year Degree Plan is a suggested plan of study. This plan does not replace the *Undergraduate Catalog*. The *Undergraduate Catalog* provides the official listing of program requirements.

2011-2012 Undergraduate General Education Course Requirements

I. Biblical Values	III. Broadened Perspectives		
A. Bible	A. Behavioral Sciences		
BIB 121 & 122 & 346 OR 446 7	FAM/SOC 230 <b>OR</b> PSY 210 <b>OR</b> 3		
B. Values	SOC 241 <b>OR</b> SOC 251		
HUM 495/BIB 495 3			
II. Basic Skills	BIOLOGY: BIO 100 <b>OR</b> BIO 110 3		
A. Written Communication	<b>OR</b> BIO 111 <b>OR</b> BIO 112 <b>OR</b> BIO		
ENG 101 <b>AND</b> ENG 102 6	CHEMISTRY OR PHYSICAL SCI: 3		
B. Oral Communication	CHE 111 <b>OR</b> CHE 121 <b>OR</b> PHS		
COM 140 3	111 <b>OR</b> PHS 112 <b>OR</b> PHS 201 <b>OR</b>		
C. Quantitative Reasoning	C. Arts and Humanities		
MAT 100 <b>OR</b> MAT 101 3	<i>HISTORY</i> : HIS 111 <b>OR</b> HIS 112 3		
<b>OR</b> MAT 120 <b>OR</b> MAT 122	<b>OR</b> HIS 221 <b>OR</b> HIS 222		
D. University Foundations	LITERATURE: ENG 225 OR ENG 3		
ACA 150 1	226 <b>OR</b> ENG 235 <b>OR</b> ENG 236		
E. Physical Fitness	<b>OR</b> ENG 245 <b>OR</b> ENG 246		
PEA 100 <b>AND</b> Any PEA course 2	FINE ARTS: ART 110 <b>OR</b> ART 234 3		
Complete course names and	OR MUS 110 OR MUS 214 OR		
descriptions for the General	THE 160 <b>OR</b> THE 265		
•	HUMANITIES: HUM 299A OR 3		
Education Course Requirements are	HUM 310 <b>OR</b> HUM 320 <b>OR</b> PHI		
located in the Undergraduate	243 <b>or</b> Phi 245 <b>or</b> Phi 246 <b>or</b>		
Catalog.	POL 231 <b>OR</b> POL 337 <b>OR</b> FRE 111		
	<b>OR</b> FRE 120 <b>OR</b> SPA 131		