SCHOOL OF SCIENCES AND MATHEMATICS

2012-13 MATHEMATICS BS DEGREE PLAN

FIRST YEAR - FRESHMAN

Fall Semester				Spring Semester			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
BIB	121	Life of Christ[1]	2	BIB	122	Acts of the Apostles[1]	2
ACA	150	University Foundations[1]	1	MAT	122	Analytics and Calculus I[2,3]	5
MAT	120	Precalculus[3,4]	4	MAT	240	Discrete Mathematics[3]	3
CIS	170	Intro. to Computer Program.	3	CIS	171	Computer Programming I[3]	3
ENG	101	English Composition I[1]	3	ENG	102	English Composition II[1]	3
HIS		History[1]	3				
			16				**16**

SECOND YEAR - SOPHOMORE

Fall Semester				Spring Semester			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
BIB		Bible	2	BIB		Bible	2
MAT	223	Analytics and Calculus II[3]	4	MAT	224	Analytics and Calculus III[3]	4
ENG		Literature[1]	3	MAT	345	Differential Equations[3]	3
PHS	211	Physics for Sci. & Engin. I[2,3]	4	COM	140	Speech Communication[1]	3
CIS	272	Computer Programming II[3,4]	3	PHS	212	Physics for Sci. & Engin. II[3,4]	4
			16				**16**

THIRD YEAR - JUNIOR

Fall Semester				Spring Semester			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
BIB	346	Foundations of Faith[1]	3	BIB		Bible	3
MAT	426	Advanced Calculus[3,5]	3	MAT	350	Calculus-Based Statistics[3]	3
MAT	441	Number Theory[3,5]	3			Fine Arts[1]	3
MAT	330	Linear Algebra[3,5]	3			Behavioral Sciences[1]	3
BIO		Biology[1]	3	PEA	100	Lifetime Wellness[1]	1
						Elective	3
			15				**16**

FOURTH YEAR - SENIOR

Fall Semester				Spring Semester			
Dept	**Crse#**	**Course Name**	**Hrs**	**Dept**	**Crse#**	**Course Name**	**Hrs**
BIB	495	Values in Human Thought[1]	3	BIB		Bible	3
MAT	306	Foundations of Geometry[3,5]	3			Humanities[1]	3
MAT	430	Abstract Algebra[3,5]	3	MAT	424	Complex Analysis[3,5]	3
MAT	495	Capstone Course in Math.[3]	3	PEA		PEA Activity Course[1]	1
		Elective	3			Electives	6
			15				**16**

[1] Satisfies general education requirement

[2] General education course requirements in *Undergraduate Catalog*

[3] Course has prerequisite. See corresponding *Undergraduate Catalog*

[4] Recommended elective for math major. See corresponding *Undergraduate Catalog*

[5] Course offered once every two years. See corresponding *Undergraduate Catalog*

ADDITIONAL ITEMS RELATED TO THE MAJOR

The following guidelines are important. Failure to follow these guidelines may delay graduation.

1. Plan schedules carefully. Plan to fulfill prerequisites for future courses.
2. Do not alter the sequence of courses without consulting with your academic adviser as not all classes are offered every semester.
3. 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.

2012-13 Undergraduate General Education Course Requirements

I. Biblical Values	
A. Bible	
BIB 121 & 122 & 346 OR 446	7
B. Values	
HUM 495/BIB 495	3
II. Basic Skills	
A. Written Communication	
ENG 101 **AND** ENG 102	6
B. Oral Communication	
COM 140	3
C. Quantitative Reasoning	
MAT 100 **or** MAT 101 **OR** MAT 120 **OR** MAT 122	3
D. University Foundations	
ACA 150	1
E. Physical Fitness	
PEA 100 **AND** Any PEA course	2
Complete course names and descriptions for the General Education Course Requirements are located in the Undergraduate Catalog.	

III. Broadened Perspectives	
A. Behavioral Sciences	
FAM/SOC 230 **OR** PSY 210 **OR** SOC 241 **OR** SOC 251	3
B. Natural Sciences	
BIOLOGY: BIO 100 **OR** BIO 110 **OR** BIO 111 **OR** BIO 112 **OR** BIO 211	3
CHEMISTRY OR PHYSICAL SCI: CHE 111 **OR** CHE 121 **OR** PHS 111 **OR** PHS 112 **OR** PHS 201 **OR** PHS 211	3
C. Arts and Humanities	
HISTORY: HIS 111 **OR** HIS 112 **OR** HIS 221 **OR** HIS 222	3
LITERATURE: ENG 225 **OR** ENG 226 **OR** ENG 235 **OR** ENG 236 **OR** ENG 245 **OR** ENG 246	3
FINE ARTS: ART 110 **OR** ART 234 **OR** MUS 110 **OR** MUS 214 **OR** THE 160 **OR** THE 265	3
HUMANITIES: HUM 299A **OR** HUM 310 **OR** HUM 320 **OR** PHI 243 **OR** PHI 245 **OR** PHI 246 **OR** POL 231 **OR** POL 251 **OR** FRE 111 **OR** FRE 120 **OR** SPA 131	3