

COLLEGE OF ARTS & SCIENCES
2023-2024 BIOLOGY: PROFESSIONAL EMPHASIS
B.S. 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	MAT		History ¹	3
BIO	111	General Biology I ^{1,2}	4	BIO	112	General Biology II	4
CHE	121	General Chemistry I ^{1,2}	3	CHE	122	General Chemistry II ³	3
CHE	121L	General Chemistry I Lab ^{1,2}	1	CHE	122L	General Chemistry II Lab ³	1
ENG	101	English Composition I ¹	3	ENG	102	English Composition II ^{1,3}	3
		See MAT Limit ²	3	BIB	122	Acts of Apostles ¹	2
			16				16

SECOND YEAR - SOPHOMORE

Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIO	205	Cell Biology	3	BIO		Biology Electives	8
BIB		Bible	2	BIB		Bible	2
		Behavioral Science ¹	3	CHE	332	Organic Chemistry II ³	4
		Organic Chemistry I ³	4	COM	140	Speech Communication ¹	3
		Biology Electives	4	BPH	200	Special Topics in Science	0.5
BPH	100	Special Topics in Science	0.5				
			16.5				17.5

THIRD YEAR - JUNIOR

Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
CHE	332	Biochemistry I ³	4	BIO		Upper-Division Zoology	4
BIB	346	Foundations of Faith ¹	3	BIB		Bible	2
		Creative Works ¹	3			Electives	6
BPH	300	Special Topics in Science	1	BIO	444*	Biological Concepts of Origins ³	3
BIO	333/335	Cell Bio. & Molec. Genetics ³ /Genetics ³	4				
			15				15

FOURTH YEAR - SENIOR

Fall Semester				Spring Semester			
Dept.	Crse#	Course Name	Hrs.	Dept.	Crse#	Course Name	Hrs.
BIO	321	Ecology ³	3	BIO		Upper-Division Botany	4
BIB		Bible	2	BIB	495	Values in Human Thought & Action ¹	3
		Electives	10	BPH	400	Senior Seminar ³	1
						Electives	7
			15				15

¹Liberal Arts Core Requirement

²Liberal Arts Core Requirements in *Undergraduate Catalog*

³Course has prerequisite. See corresponding *Undergraduate Catalog*

Total **126**

ADDITIONAL ITEMS RELATED TO THE MAJOR

Recommended courses:

- A foreign language
- MAT235 Introductory Statistics (3 hours)
- PHS201/202 General Physics I & II (8 hours)
- Health Arts students should take PSY210 General Psychology as their Behavioral Science; BIO211 & BIO212 Human Anatomy and Physiology I & II and BIO215 Microbiology as their

Additional notes:

The upper-division botany and upper-division zoology courses must be regular catalog laboratory courses.

*BIO444 is offered as a January Short Course.

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 registering.
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.

2023-2024 Undergraduate Liberal Arts Core Requirements

I. Biblical Values		III. Broadened Perspectives	
A. Bible		A. Behavioral Sciences	
BIB 121 & 122 & 346 OR 446	7	BIB/FAM 230 OR PSY 210 OR SOC 241 OR SOC 251	3
II. Basic Skills		B. Natural Sciences	
A. Written Communication		BIO 100 OR BIO 105 OR BIO 110 OR BIO 111 OR BIO 112 OR BIO 211 OR CHE 121 & CHE 121L OR PHS 111 OR PHS 112 OR PHS 201 OR PHS 211	
ENG 101 AND ENG 102	6		
B. Oral Communication		C. Arts and Humanities	
COM 140	3	HISTORY: HIS 111 OR HIS 112 OR HIS 221 OR HIS 222 OR HUM 399A OR POL 221 OR HIS 222 OR HUM 399A OR POL 221	
C. Quantitative Reasoning		CRITICAL AND CREATIVE WORKS: ART 110 OR ART 201 OR ART 234 OR ENG 215 OR ENG 225 OR ENG 235 OR ENG 299A/399A OR MUS 110 OR MUS 214 OR PHI 243 OR PHI 245 OR PHI246 OR THE 160 OR THE 265 OR THE 299A/399A	
MAT 100 OR MAT 101 OR MAT 120 OR MAT 122 OR MAT235		HUMANITIES CAPSTONE: BIB/HUM 495	
Complete course names and descriptions for the Liberal Arts Core Requirements are located in the Undergraduate Catalog.			
		Total	34