

**BACHELOR OF  
SCIENCE  
BIOLOGY**  
*Pre-Pharmacy Track*

In the Pre Pharmacy program, students develop the foundational understanding of biology, chemistry, and related disciplines required for success in, and admission to, Doctor of Pharmacy programs and careers in pharmaceuticals research.

*College of  
Science,  
Engineering, &  
Technology*

Student Name: \_\_\_\_\_

J-Number: \_\_\_\_\_

Advisor: \_\_\_\_\_


**COLLEGE OF SCIENCE, ENGINEERING AND  
TECHNOLOGY**

BIOLOGY

CONCENTRATION:PRE-PHARMACY TRACK

Entering Term: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Pathway: \_\_\_\_\_

**FRESHMAN YEAR FALL 1ST SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 111 & BIOL 111	General Biology I & Lab	4	DPR		
CHEM 141 & CHML 141	General Chemistry I & Lab	4	GEC		
MATH 103 or MATH 111	College Algebra	3	GEC		
ENG 103 or ENG 104	Composition I	3	GEC		
UNIV 100	University Success	2	UR		
TOTAL CREDIT HOURS		16	TERM GPA:		

Comments:

**FRESHMAN YEAR SPRING 2ND SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 112 & BIOL 112	General Biology II & Lab	4	DPR		
CHEM 142 & CHEML 142	General Chemistry II & Lab	4	DPR		
MATH 112	Trigonometry	3	DPR		
ENG 105	Composition II	3	GEC		
	Pathway Option	3	PATH		
TOTAL CREDIT HOURS		17	TERM GPA:		

Comments:

**SOPHOMORE YEAR FALL 1ST SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 200 & BIOL 200	Introduction to Cell Biology & Lab	4	DPR		
CHEM 241 & CHML 241	Organic Chemistry I & Lab	4	DPR		
MATH 241	Calculus I	3	DPR		
SOC 214	Introduction to Sociology	3	DPR		
	Pathway Option	3	PATH		
TOTAL CREDIT HOURS		17	TERM GPA:		

Comments:

**SOPHOMORE YEAR SPRING 2ND SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
PSY 201	General Psychology	3	DPR		
BIO 209 & BIOL 209	Principles of Genetics Lab	4	DPR		
CHEM 242 & CHML 242	Organic Chemistry II & Lab	4	DPR		
UNIV 200	Civic Engagement	1	UR		
	Pathway Option	3	PATH		
TOTAL CREDIT HOURS		15	TERM GPA:		

Comments:

**JUNIOR YEAR FALL 1ST SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 234 & BIOL 234	Human Anatomy and Physiology I & Lab	4	DPR		
BIO 313 & BIOL 313	Introduction to Microbiology & Lab	4	DPR		
BIO 395 & BIOL 395 or CHEM 431 & CHML 431	Principles of Biochemistry & Lab or Biochemistry I & Lab	4	DPR		
PHY 201 & PHYL 201	Basic Physics I & Lab	4	GEC		
TOTAL CREDIT HOURS		16	TERM GPA:		

Comments:

**JUNIOR YEAR SPRING 2ND SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 235 & BIOL 235	Human Anatomy and Physiology II & Lab	4	DPR		
PHY 202 & PHYL 202	Basic Physics II & Lab	4	DPR		
ECO 211 or ECO 212	Principles of Macroeconomics or Principles of Microeconomics	3	DPR		
	Statistics Elective	3	DPE		
	Humanities & Fine Arts Option	3	GEC		
TOTAL CREDIT HOURS		17	TERM GPA:		

Comments:

**SENIOR YEAR FALL 1ST SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 114	Intro to Marine Science	3	DPR		
	Humanities & Fine Arts Option	3	GEC		
	Social & Behavioral Science Option	3	GEC		
	Biology Elective	5	DPE		
TOTAL CREDIT HOURS		14	TERM GPA:		

Comments:

**SENIOR YEAR SPRING 2ND SEMESTER**

COURSE	COURSE TITLE	CREDIT HOURS	COURSE TYPE	GRADE	SUCCESS MARKER/NOTE
BIO 390	Seminar in Biology	1	DPR		
	Social & Behavioral Science Option	3	GEC		
	Humanities & Fine Arts Option	3	GEC		
	Biology Elective (300-400 Level)	5	DPE		
TOTAL CREDIT HOURS		12	TERM GPA:		

Comments:

On-line Graduation Clearance (TO BE COMPLETED DURING THE GRADUATING SEMESTER ONLY)

TOTAL HOURS: 124 REQUIRED

Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: University Success; however, the student must take 2 hours of general  
 Student Signature: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_

<b>Biology Electives</b>		
<b>Course</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO/L 115	General Zoology	3/1
BIO/L 119	General Botany	3/1
BIO 201	Environmental Sciences	3
BIO 236	Concepts of Public Health	3
BIO 302	Introduction to Bioinformatics and Computational Biology	3
BIO 332	Parasitology	3
BIO 335	Introduction to Animal Sciences	3
BIO 391	Introduction to Research	2
BIO 393	Introduction to Medical Terminology	3
BIO 404	Environmental Sciences	3/1
BIO/L 406	Human Environments and Natural Systems	3/1
BIO 409	General Genetics	3
BIO/L 412	Natural Resources & Conservation	3/1
BIO/L 413	Principles of Human Nutrition	3/1
BIO/L 423	Ecology	3/1
BIO/L 425	Introduction to Marine Biology	3/1
BIO/L 430	Advanced Microbiology	3/1
BIO/L 431	Invertebrate Zoology	3/1
BIO 433	Biology of Water Pollution	3
BIO 435	Animal Nutrition	3
BIO/L 440	Cell Biology	3/1
BIO/L 441	Histology	3/1
BIO/L 447	Introduction to Oceanography	3/1
BIO 450	General Entomology	3
BIO 451	Introduction to Immunology	3
BIO 461	Introduction to Virology	3
BIO/L 470	Human Physiology	3/1
BIO 496	Cancer Biology	3
<b>STATISTICS ELECTIVE</b>		
<b>Course</b>	<b>Course Title</b>	<b>Credit Hours</b>
BIO 202	Elementary Biostatistics	3
MATH 271	Elementary Statistics	3
PSY 211	Statistics I	3
STAT 115	Introductory Statistics	3