

B.S. DEGREE IN PHARMACEUTICAL SCIENCE
PRE-PHARMACY TRACK



FRESHMAN YEAR					
FALL SEMESTER			SPRING SEMESTER		
NUMBER	COURSE NAME	CH	NUMBER	COURSE NAME	CH
ENG 101	WRITTEN COMMUNICATION I	3	ENG 102	WRITTEN COMMUNICATION II	3
MAT 117 ¹	PRECALCULUS MATHEMATICS I ¹	3	BIO 106	INTRODUCTION TO BIOLOGY II/BIO 106	4
BIO 105	INTRODUCTION TO BIOLOGY I/BIO 105	4	CHE 202	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS II	4
UNV 101	UNIVERSITY 101: THE INDIVIDUAL AND LIFE	1	MAT 130 ¹	CALCULUS ¹	3
CHE 201	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS I	4			
	TOTAL:	15		TOTAL:	14

SOPHOMORE YEAR					
FALL SEMESTER			SPRING SEMESTER		
NUMBER	COURSE NAME	CH	NUMBER	COURSE NAME	CH
CHE 301	GENERAL ORGANIC CHEMISTRY I	4	CHE 302	GENERAL ORGANIC CHEMISTRY II	4
BIO 304	MICROBIOLOGY	4	HUM 201	HUMANITIES I	3
PHY 201	INTRODUCTORY PHYSICS I	4	SOC 205 ² PSY 203 ² PSY 308 ²	SOCIAL SCIENCE ELECTIVE ²	3
PHY 215	INTRODUCTORY PHYSICS I LAB	1	BIO 305	PRINCIPLES OF HEREDITY	3
COM 103	ORAL COMMUNICATION	3			
	TOTAL:	16		TOTAL:	13

JUNIOR YEAR					
FALL SEMESTER			SPRING SEMESTER		
NUMBER	COURSE NAME	CH	NUMBER	COURSE NAME	CH
BIO 224	HUMAN ANATOMY & PHYSIOLOGY I W/LAB	4	BIO 225	HUMAN ANATOMY & PHYSIOLOGY II W/LAB	4
PHA XXX	QUANTITATIVE LAB TECHNIQUES	2	BIO 544	MEDICAL MICROBIOLOGY	3
NUR 320	SCIENTIFIC WRITING FOR HEALTH PROFESSIONALS	3	PHA XXX	DRUG DISCOVERY, DESIGN, AND DEVELOPMENT	3
MAT 205	INTRODUCTION TO STATISTICS	3	PHA XXX	PHARMACEUTICAL ANALYSIS	3
			PHA XXX	RESPONSIBLE CONDUCT OF RESEARCH	1
	TOTAL:	12		TOTAL:	13
SUMMER SEMESTER					
NUMBER	COURSE NAME	CH			
PHA XXX	RESEARCH EXTERNSHIP	1			
	TOTAL:	1			

SENIOR YEAR					
FALL SEMESTER			SPRING SEMESTER		
NUMBER	COURSE NAME	CH	NUMBER	COURSE NAME	CH
PHA 303	INTRODUCTION TO THE PRACTICE OF PHARMACY	2	PHA 314	MEDICINAL CHEMISTRY I	4
PHA 305	APPLIED HUMAN PHYSIOLOGY	3	PHA 308	PHARMACOLOGY & PATHOPHYSIOLOGY I	4
PHA 307	PRINCIPLES OF PHARMACOLOGY	1	PHA 310	MEDICAL IMMUNOLOGY	2
PHA 311	PHYSIOLOGIC BIOCHEMISTRY	3	PHA 372	BIOPHARMACEUTICS II	3
PHA 371	BIOPHARMACEUTICS I	3	PHA 374	BIOPHARMACEUTICS II LAB	1
PHA 373	BIOPHARMACEUTICS I LAB	1	PHA 326	PHARMACEUTICAL CALCULATIONS II	1
PHA 319	PHARMACEUTICAL CALCULATIONS I	2	PHA 316	PRINCIPLES OF DRUG INFORMATION	3
PHA 315	PHARMACISTS' PATIENT CARE PROCESS (PPCP) I	3	PHA XXX	RESEARCH CAPSTONE	0
PHA XXX	RESEARCH CAPSTONE	0			
	TOTAL:	18		TOTAL:	18
TOTAL CREDIT HOURS: PRE-PHARMACY TRACK			120		

¹STUDENTS MAY ELECT TO TAKE CALCULUS I & II (MAT 151-152) INSTEAD OF PRECALCULUS MATHEMATICS I (MAT 117) AND MAT 130. NOTE THAT PRECALCULUS MATHEMATICS II (MAT 118), (MAT 117) IS THE PREREQUISITE TO CALCULUS I.

²STUDENTS MAY ELECT TO TAKE INTRODUCTION TO SOCIOLOGY (SOC 205), INTRODUCTION TO PSYCHOLOGY (PSY 203), OR PHYSIOLOGICAL PSYCHOLOGY (PSY 308). NOTE THAT INTRODUCTION TO PSYCHOLOGY (PSY 203) IS THE PREREQUISITE TO PHYSIOLOGICAL PSYCHOLOGY.

NOTE 1: COURSES DENOTED WITH AN XXX ARE AVAILABLE; THE COURSE NUMBER WILL BE UPDATED BY THE REGISTRAR'S OFFICE

NOTE 2: ALL COURSE ENROLLMENTS FOR THE SENIOR YEAR REQUIRE PRIOR ADMINISTRATIVE APPROVAL FROM THE SCHOOL OF PHARMACY