

## B.S. DEGREE IN PHARMACEUTICAL SCIENCE INDUSTRY 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 <sup>1</sup>	PRECALCULUS MATHEMATICS I <sup>1</sup>	3	HEA 200 PED 205	HEALTH EDUCATION OR ANY 2 CH PHYSICAL EDUCATION COURSE	2
BIO 105	INTRODUCTION TO BIOLOGY I/BIO 105	4	BIO 106	INTRODUCTION TO BIOLOGY II/BIO 106	4
UNV 101	UNIVERSITY 101: THE INDIVIDUAL AND LIFE	1	MAT 130 <sup>1</sup>	CALCULUS <sup>1</sup>	3
CHE 201	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS I	4	CHE 202	GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS II	4
	<b>TOTAL:</b>	<b>15</b>		<b>TOTAL:</b>	<b>16</b>

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	HIS 106	WORLD CIVILIZATIONS II	3
PHY 201	INTRODUCTORY PHYSICS I	4	HUM 201	HUMANITIES I	3
PHY 215	INTRODUCTORY PHYSICS I LAB	1	SOC 205 <sup>2</sup> PSY 203 <sup>2</sup> PSY 308 <sup>2</sup>	SOCIAL SCIENCE ELECTIVE <sup>2</sup>	3
COM 103	ORAL COMMUNICATION	3	BIO 305	PRINCIPLES OF HEREDITY	3
	<b>TOTAL:</b>	<b>16</b>		<b>TOTAL:</b>	<b>16</b>

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 3XX	QUANTITATIVE LAB TECHNIQUES	2	BIO 544	MEDICAL MICROBIOLOGY	3
NUR 320	SCIENTIFIC WRITING FOR HEALTH PROFESSIONALS	3	PHA 3XX	DRUG DISCOVERY, DESIGN, AND DEVELOPMENT	3
MAT 205	INTRODUCTION TO STATISTICS	3	PHA 3XX	PHARMACEUTICAL ANALYSIS	3
			PHA 416	BIostatISTICS AND RESEARCH METHODS	3
			PHA 3XX	RESPONSIBLE CONDUCT OF RESEARCH	1
	<b>TOTAL:</b>	<b>12</b>		<b>TOTAL:</b>	<b>16</b>

SUMMER SEMESTER		
NUMBER	COURSE NAME	CH
PHA 4XX	RESEARCH EXTERNSHIP	1
	<b>TOTAL:</b>	<b>1</b>

SENIOR YEAR					
FALL SEMESTER			SPRING SEMESTER		
NUMBER	COURSE NAME	CH	NUMBER	COURSE NAME	CH
PHA 311	PHYSIOLOGIC BIOCHEMISTRY	3	PHA 314	MEDICINAL CHEMISTRY I	4
PHA 371	BIOPHARMACEUTICS I	3	PHA 310	MEDICAL IMMUNOLOGY	2
PHA 373	BIOPHARMACEUTICS I LAB	1	PHA 372	BIOPHARMACEUTICS II	3
PHA 4XX	GENERAL PHARMACOLOGY I	3	PHA 374	BIOPHARMACEUTICS II LAB	1
PHA 4XX	RESEARCH CAPSTONE	0	PHA 316	PRINCIPLES OF DRUG INFORMATION	3
FREE ELECTIVE	ELECTIVE **	2	PHA 4XX	GENERAL PHARMACOLOGY II	3
			PHA 4XX	RESEARCH CAPSTONE	0
	<b>TOTAL:</b>	<b>12</b>		<b>TOTAL:</b>	<b>16</b>
<b>TOTAL CREDIT HOURS: INDUSTRY TRACK</b>			<b>120</b>		

<sup>1</sup>STUDENTS 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.

<sup>2</sup>STUDENTS 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.

\*\* STUDENTS MAY ELECT TO TAKE ANY PHARMACY ELECTIVE OR TAKE INTRODUCTION TO COMPUTERS (CSC 120), PRINCIPLES OF MARKETING (MKT 305), OR SALES MANAGEMENT (MKT 328). NOTE THAT PRINCIPLES OF MARKETING (MKT 305) IS A PREREQUISITE TO SALES MANAGEMENT.

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