

**BACHELOR OF SCIENCE
HEALTH SCIENCES
CONCENTRATION IN PRE-PHARMACY**

GSU 100 The First Year Experience 0 hour

All degree seeking students are required to take GSU 100 during their first semester.

General Education Requirements 30 hours

Students must complete BIOL 120, MATH 115, and PSYC 201 as part of the General Education requirements.

Health Sciences Major 44 hours

BIOL	120	Principles of Biology I	
EXSC	455	Psychology of Exercise	3
EXSC	493	Practicum	6
HLTH	101	Introduction to Health & Human Performance	3
HLTH	105	Human Nutrition	3
HLTH	107	Introduction to Medical Terminology	3
HLTH	230	Anatomy & Physiology I	4
HLTH	231	Anatomy & Physiology II	4
HLTH	293	Lifetime Fitness and Wellness (Gateway Course)	3
HLTH	435	Research Methods in Health and Human Performance	3
MATH	115	College Algebra	
MATH	256	Probability and Statistics I	3
PED	201	First Aid and Safety	1
PED	333	Motor Learning and Development	2
PSYC	201	General Psychology	
SCNC	390	Test Prep for STEM Schools	1
SOCL	341	Community and Environmental Health	2
SOCL	342	Health Disparities in Vulnerable Populations	3

Pre-Pharmacy Concentration 39 hours

BIOL	121	Principles of Biology II	4
BIOL	361	Microbiology	4
CHEM	101	General Chemistry I	4
CHEM	102	General Chemistry II	4
CHEM	301	Organic Chemistry I	4
CHEM	302	Organic Chemistry II	4
MATH	120	Pre-Calculus	4
MATH	202	Calculus I	4
Restricted Electives: (See recommendations continued on next page)			7

Any 300-499 level courses

General Electives: See recommendations on next page **7 hours**

Total minimum hours for degree 120 hours

GATEWAY ASSESSMENT – HLTH 293

CAPSTONE ASSESSMENT – EXSC 493

Recommended Electives: You need to review the listing of required prerequisites at the institution(s) where you plan to apply for a listing of unique courses. [Compare Programs PharmCAS](#) provides a summary of prerequisites required at all institutions nationally.

CHEM	380	Biochemistry I – required prerequisite at 1/4 of the pharmacy programs nationally including West Virginia University
ECON	201	Principles of Microeconomics – required prerequisite at 1/3 of the pharmacy programs nationally including West Virginia University
PHYS	201	General Physics I – required prerequisite at 1/2 of the pharmacy programs nationally including Marshall University

**BS: HEALTH SCIENCES
CONCENTRATION IN PRE-PHARMACY
PLAN OF STUDY**

FIRST YEAR

ART 200 (OR) MUSC 200	2	BIOL 121.....	4
BIOL 120.....	4	CART 101.....	3
ENGL 101	3	ENGL 102.....	3
GSU 100.....	0	HLTH 105.....	3
HLTH 101.....	3	HLTH 107.....	3
MATH 115.....	3	Total Hours – Spring Semester.....	16
Total Hours – Fall Semester.....	15		

SECOND YEAR

CHEM 101	4	CHEM 102	4
ENGL 203, 204, 205 (OR) 206	3	HLTH 231.....	4
HLTH 230.....	4	HLTH 293.....	3
MATH 120.....	4	MATH 202.....	4
Total Hours – Fall Semester.....	15	Total Hours – Spring Semester.....	15

THIRD YEAR

BIOL 361 (OR) GENERAL (OR) RESTRICTED ELECTIVES.....	4	CHEM 302.....	4
CHEM 301	4	HIST 201, 202, 207, 208 (OR) POSC 203	3
HIST 201, 202, 207, 208, (OR) POSC 203.....	3	MATH 256.....	3
PED 333	2	PSYC 201	3
SCNC 390.....	1	GENERAL (OR) RESTRICTED ELECTIVES	3
Total Hours – Fall Semester.....	14	Total Hours – Spring Semester.....	16

FOURTH YEAR

BIOL 361 (OR) GENERAL (OR) RESTRICTED ELECTIVES.....	4		
EXSC 455	3	EXSC 493*	6
HLTH 435.....	3	SOCL 342	3
PED 201	1	GENERAL (OR) RESTRICTED ELECTIVES	4
SOCL 341	2	Total Hours – Spring Semester.....	13
GENERAL (OR) RESTRICTED ELECTIVES	3		
Total Hours – Fall Semester.....	16		

*Students who have completed 90 or more credit hours may elect to take EXSC 493 during the summer after their third or fourth year. EXSC 493 may be split into two 3-credit courses taken during different semesters.