



## BACHELOR OF SCIENCE IN INVESTIGATIVE AND MEDICAL SCIENCES PRE-PHYSICIAN ASSISTANT OPTION (120 credits)

(This curriculum plan is based on requirements for SLU's Physician Assistant Program. Other programs may have different and/or additional requirements)

FRESHMAN YEAR		
Fall Semester		Hrs.
BIOL 1240	PRINCIPLES OF BIOLOGY I	3
BIOL 1245	PRINCIPLES OF BIOLOGY I LAB	1
BLS 1100	FOUNDATIONS OF MEDICAL LABORATORY SCIENCE	2
BLS 1150	FOUNDATIONS OF MEDICAL LABORATORY SCIENCE LAB	1
CHEM 1110	GENERAL CHEMISTRY I	3
CHEM 1115	GENERAL CHEMISTRY I LAB	1
ENGL 1900	ADVANCED STRATEGIES OF RHETORIC AND RESEARCH	3
MATH 1400	PRE-CALCULUS	3
<b>TOTAL</b>		<b>17</b>

Spring Semester		Hrs.
BIOL 1260	PRINCIPLES OF BIOLOGY II	3
BIOL 1265	PRINCIPLES OF BIOLOGY II LAB	1
CHEM 1120	GENERAL CHEMISTRY II	3
CHEM 1125	GENERAL CHEMISTRY II LAB	1
HCE 2010	HEALTH CARE ETHICS	3
THEO 1000	THEOLOGICAL FOUNDATIONS	3
<b>TOTAL</b>		<b>14</b>

SOPHOMORE YEAR		
Fall Semester		Hrs.
BIOL 3020	CELL BIOCHEMISTRY AND MOLECULAR BIOLOGY	3
CHEM 2410	PRINCIPLES OF ORGANIC CHEMISTRY I	3
CHEM 2415	PRINCIPLES OF ORGANIC CHEMISTRY I LAB	1
PHIL 1050	INTRODUCTION TO PHILOSOPHY	3
PPY 2540	HUMAN PHYSIOLOGY	4
<b>TOTAL</b>		<b>14</b>

Spring Semester		Hrs.
ANAT 1000	HUMAN ANATOMY	3
BLS 3110	URINALYSIS AND BODY FLUIDS	2
CHEM 2420	PRINCIPLES OF ORGANIC CHEMISTRY II	3
CHEM 2425	PRINCIPLES OF ORGANIC CHEMISTRY II LAB	1
XXXX <sup>(1)</sup>	FINE ARTS ELECTIVE	3
XXXX <sup>(2)</sup>	SOCIAL SCIENCE ELECTIVE	3
<b>TOTAL</b>		<b>15</b>



JUNIOR YEAR		
Fall Semester		Hrs.
BIOL 3030	PRINCIPLES OF GENETICS	3
BLS 4110	MEDICAL BIOCHEMISTRY I	3
BLS 4411	FUNDAMENTALS OF IMMUNOLOGY	2
ENGL 2XXX/3XXX <sup>(3)</sup>	LITERATURE ELECTIVE	3
MATH 1300	ELEMENTARY STATISTICS WITH COMPUTERS	3
<b>TOTAL</b>		<b>14</b>

Spring Semester		Hrs.
BLS 4120	MEDICAL BIOCHEMISTRY II	2
BLS 4130	PRINCIPLES AND TECHNIQUES IN MOLECULAR BIOLOGY	1
BLS 4610	RESEARCH DESIGN, CRITIQUE & PRESENTATION	3
HSI 2200	MEDICAL TERMINOLOGY	3
XXXX	ELECTIVE	3
XXXX	ELECTIVE	3
<b>TOTAL</b>		<b>15</b>

SENIOR YEAR		
Fall Semester		Hrs.
BLS 4210	HEMATOLOGY	4
BLS 4510	MEDICAL MICROBIOLOGY	4
XXXX	ELECTIVE	3
XXXX	ELECTIVE	3
2XXX/3XXX <sup>(4)</sup>	PHILOSOPHY or THEOLOGY ELECTIVE	3
<b>TOTAL</b>		<b>17</b>

Spring Semester		Hrs.
BLS 4220	HEMOSTASIS AND THROMBOSIS	2
BLS 4310	IMMUNOHEMATOLOGY	3
XXXX	ELECTIVE	3
XXXX	ELECTIVE	3
XXXX	ELECTIVE	3
<b>TOTAL</b>		<b>14</b>



## SUGGESTED COURSE OPTIONS

(1) Fine Arts (3 credits)

ART XXXX - Any Course  
ARTH XXXX - Any Course  
DANC XXXX - Any Course  
FPA XXXX - Any Course  
MUS XXXX - Any Course  
THR XXXX - Any Course

(2) Social Science (3 credits)

PSY 1010 General Psychology (recommended for all majors; required for students taking the MCAT)  
SOC 1100 Introduction to Sociology (required for students taking the MCAT)  
ANTH XXXX - Any Course  
PSYCH XXXX - Any Course  
SOC XXXX - Any Course

(3) Literature (3 Credits)

Any 2XXX OR 3XXX course which is designated to “literature” requirement for English - refer to the course description in the Course Catalog. If you are electing to complete a Health Care Ethics minor, select an English course from their list under the category “Outside the Center”\*\*.

(4) Philosophy/Theology (3 credits)

Any 2XXX level or above Philosophy (PHIL) or Theology (THEO) course. If you are electing to complete a Health Care Ethics minor, select a Philosophy or Theology course from their list under the category “Outside the Center”\*\*.

\*\* For a Health Care Ethics minor, only course marked with a double asterisk (\*\*) will be counted - the Philosophy/Theology or the English course.

## ELECTIVE

The Elective is a series of directed electives designed to guide course selection to better meet career goals such as entrance to professional schools (Medical, Physician Assistant, Pharmacy, Dental, Optometry, Veterinary) or graduate school.