



## BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCE

### PA SCHOLARS OPTION (136 credits)

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
MATH 1300	ELEMENTARY STATS WITH COMPUTERS	3
THEO 1000	THEOLOGICAL FOUNDATIONS	3
<b>TOTAL</b>		<b>14</b>

SOPHOMORE YEAR		
Summer Semester		Hrs.
HSI 2200	MEDICAL TERMINOLOGY	3
XXXX <sup>(1)</sup>	SOCIAL SCIENCE ELECTIVE	3
XXXX <sup>(2)</sup>	FINE ARTS ELECTIVE	3
<b>TOTAL</b>		<b>9</b>

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
ENGL 2XXX/3XXX <sup>(3)</sup>	LITERATURE ELECTIVE	3
PHIL 1050	INTRODUCTION TO PHILOSOPHY	3
PPY 2540	HUMAN PHYSIOLOGY	4
<b>TOTAL</b>		<b>17</b>



SOPHOMORE YEAR		
Spring Semester		Hrs.
ANAT 1000	HUMAN ANATOMY	3
BIOL 3030	PRINCIPLES OF GENETICS	3
BLS 3110	URINALYSIS AND BODY FLUIDS	2
MLS 3150	URINALYSIS AND IMMUNOLOGY LAB	1
BLS 4130	PRINCIPLES & TECHNIQUES IN MOLECULAR BIOLOGY	1
MLS 4161	MOLECULAR BIOLOGY LAB	1
CHEM 2420	PRINCIPLES OF ORGANIC CHEMISTRY II	3
CHEM 2425	PRINCIPLES OF ORGANIC CHEMISTRY II LAB	1
2XXX/3XXX <sup>(4)</sup>	PHILOSOPHY or THEOLOGY ELECTIVE	3
<b>TOTAL</b>		<b>18</b>

JUNIOR YEAR		
Fall Semester		Hrs.
BLS 4110	MEDICAL BIOCHEMISTRY I	3
MLS 4150	ANALYTICAL CHEMISTRY	2
BLS 4210	HEMATOLOGY	4
MLS 4250	HEMATOLOGY LAB	1
BLS 4411	FUNDAMENTALS OF IMMUNOLOGY	2
BLS 4510	MEDICAL MICROBIOLOGY	4
<b>TOTAL</b>		<b>16</b>

Spring Semester		Hrs.
BLS 4120	MEDICAL BIOCHEMISTRY II	2
MLS 3400	LABORATORY OPERATIONS	1
BLS 4220	HEMOSTASIS & THROMBOSIS	2
BLS 4310	IMMUNOHEMATOLOGY	3
MLS 4350	IMMUNOHEMATOLOGY LAB	1
BLS 4610	RESEARCH DESIGN, CRITIQUE & PRESENTATION	3
MLS 4520	MEDICAL BACTERIOLOGY	2
MLS 4550	MEDICAL BACTERIOLOGY LAB	2
<b>TOTAL</b>		<b>16</b>



SENIOR YEAR		
Summer Semester		
4 CREDITS OF CLINICAL PRACTICA FROM FALL COURSE LIST BELOW		4
<b>TOTAL</b>		<b>4</b>

Fall Semester		Hrs.
<b>REGISTER FOR 12 OF 16 CREDITS</b>		
MLS 4701	CLINICAL CHEMISTRY PRACTICUM	3
MLS 4710	CLINICAL CHEMISTRY	1
MLS 4740	CLINICAL HEMATOLOGY PRACTICUM	2
MLS 4750	CLINICAL HEMATOLOGY	1
MLS 4760	CLINICAL HEMOSTASIS PRACTICUM	1
MLS 4780	CLINICAL IMMUNOHEMATOLOGY PRACTICUM	2
MLS 4790	CLINICAL IMMUNOHEMATOLOGY	1
MLS 4800	CLINICAL MICROBIOLOGY PRACTICUM	3
MLS 4811	CLINICAL MICROBIOLOGY	1
MLS 4821	CLINICAL URINALYSIS & PHLEBOTOMY PRACTICUM	1
<b>TOTAL</b>		<b>12</b>

Spring Semester		Hrs.
BLS 4420	MEDICAL IMMUNOLOGY	2
HCE 2010	HEALTH CARE ETHICS	3
MLS 3210	CLINICAL EDUCATION AND LAB MANAGEMENT	2
MLS 4541	MEDICAL MYCOLOGY & PARASITOLOGY	2
MLS 4571	MEDICAL MYCOLOGY & PARASITOLOGY LAB	1
MLS 4611	ADVANCED TOPICS & CASE CORRELATIONS	3
<b>TOTAL</b>		<b>13</b>



## SUGGESTED COURSE OPTIONS

### (1) 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

### (2) 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

### (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 one course marked with a double asterisk (\*\*) will be counted - the Philosophy/Theology or the English course.