

**PRE-PHARMACY CURRICULUM  
FOR ST. LOUIS COLLEGE OF PHARMACY**

**First Year**

Fall Semester			Spring Semester	
Course	Credit Hours		Course	Credit Hours
CH185 General Chemistry I	5		CH186 General Chemistry 2	3
BI151 Biological Reasoning <sup>1</sup>	3		CH187 Qualitative Analysis	2
BI152 Intro. Sci. Invest. <sup>1</sup>	1		EN140 Rhet. & Crit. Thinking	3
EN100 English Comp.	3		BI153 Intro. Organismal Biol. <sup>1</sup>	4
PY101 Psy. Per. Hum. Beh.	3		MA139 Applied Calculus	3
<b>Total</b>	<b>15</b>		<b>Total</b>	<b>15</b>

**Summer**

Course	Credit Hours
BS113 Anatomy and Physiology 1 <sup>2</sup>	3
BS114 Anatomy and Physiology 2 <sup>2</sup>	3

**Second Year**

Fall Semester			Spring Semester	
Course	Credit Hours		Course	Credit Hours
CH341 Organic Chemistry 1	4		CH343 Organic Chemistry 2	3
CH342 Organic Chem. 1 Lab	1		CH344 Organic Chem. 2 Lab	2
PH120 Intro. Physics 1	5		PH121 Intro. Physics 2	5
BS332 <sup>2</sup> or SO102	3		SO102 or ZO331 <sup>2</sup>	3
WH101 Early. Eur. History	3		WH103 Mod. Eur. Civ.	3
<b>Total</b>	<b>16</b>		<b>Total</b>	<b>16</b>

**Notes:**

1. BI190 and ZO200 can be taken instead of BI151, BI152 and BI153.
2. St. Louis College of Pharmacy (STLCOP) requires eight credit hours of Anatomy and Physiology (A&P). Since we only have six, they require an additional course. BS332 is offered only in the fall semester of even-numbered years. ZO331 has CH341 and CH342 as prerequisites, and ZO200 is "recommended." If you can take A&P at another institution that offers eight credit hours, it might be better to do so, and transfer that credit to STLCOP.

**Pre-Pharmacy Curriculum For  
University Of Missouri-Kansas City School Of Pharmacy**

<b>Fall Semester</b>	<b>Hrs</b>	<b>Spring Semester</b>	<b>Hrs</b>
CH185 General Chemistry 1 (with CH085 and CH005)	5	PH120 Intro. Physics 1 (with PH020)	5
Behavioral, Social Science, Humanities or Fine Art <sup>2</sup>	3	CH186 General Chemistry 2	3
BI153 Intro. Organismal Bio.	4	CH187 Qualitative Analysis	2
EN100 English Composition	3	EN140 Rhet. & Crit. Thinking	3
		BI154 Genetics and Cell Biol.	4
<b>Total Hours</b>	<b>15</b>	<b>Total Hours</b>	<b>17</b>

<b>Summer</b>	<b>Hours</b>
MA140 Calc. & An. Geom. 1 <sup>1</sup>	5

**Notes:**

1. Students not ready for MA140 should recognize that MA090, MA095, and MA134 (or equivalents) will not count as transfer credit to Kansas City.
2. This includes courses such as speech communications, sociology, psychology, history, government, music, art, theatre, philosophy, foreign language, or economics. SC105, Fundamentals of Oral Communication, is recommended.

## Pre-Pharmacy Requirements for the University of Tennessee

### First Year of Pre-Pharmacy

Fall semester	Hours	Spring Semester	Hours
EN100 English Comp.	3	EN140 Rhet. & Crit. Thinking	3
CH185 General Chemistry 1 (with CH085 and CH005)	5	CH186 General Chemistry 2	3
		CH187 Qualitative Analysis	2
BI151 Biological Reasoning	3	BI153 Intro. Organismal Biol.	4
BI152 Intro. Sci. Investigation	1	BI154 Genetics and Cell Biol.	4
Humanities/Soc. Sci. elective <sup>1</sup>	3		
Total	15		16

### Second Year of Pre-Pharmacy

Fall semester	Hours	Spring Semester	Hours
CH341 Organic Chemistry 1	4	CH343 Organic Chemistry 2	3
CH342 Organic Laboratory 1	1	CH344 Organic Laboratory 2	2
BS113 Anat. & Physiol. 1	3	BS114 Anat. & Physiol. 2	3
MA139 Applied Calculus <sup>3</sup>	3	Humanities/Soc. Sci. elective <sup>1</sup>	6
SC105 Fund. Oral Comm.	3	Statistics (MA223 or PY271)	3
Humanities/Soc. Sci. elective <sup>1</sup>	3		
Total	17		17

### Third Year of Pre-Pharmacy

Fall semester	Hours	Spring Semester	Hours
CH531 Biochemistry 1	3	CH533 Biochemistry 2	2
BI200 General Microbiology	3	BI442 Immunology	3
PH120/020 Intro. Physics 1	5	Electives <sup>2</sup>	9
Elective <sup>2</sup>	3	Humanities/Soc. Sci. elective <sup>1</sup>	3
Total	14		17

Notes:

1. Six hours of Humanities electives are required. These must be from Literature, Language, History, or Philosophy. Six hours of Social Science electives are required. These must be from Psychology, Sociology, Economics, Anthropology, or Political Science.
2. The remaining elective courses, totaling 12 semester hours, may be taken in any area the student desires (sciences, mathematics, humanities or social sciences); however the following courses will not be accepted in fulfillment of pre-pharmacy curriculum requirements: ROTC, participatory PE/sports, or musical performance courses (such as choir or band, etc.). Students unsure whether a particular course will be accepted by the College should contact Dr. Eoff at [jeoff@utm.edu](mailto:jeoff@utm.edu) at the earliest opportunity.
3. Any pre-calculus math courses you need to take do not count for transfer credit to the University of Tennessee.

**Pre-Pharmacy Requirements for the University of Mississippi (Ole Miss)****First Year of Pre-Pharmacy**

<u>Fall semester</u>	<u>Hours</u>		<u>Spring Semester</u>	<u>Hours</u>
EN100 English Comp.	3		EN140 Rhet. & Crit. Thinking	3
CH185 General Chemistry 1 (with CH085 and CH005)	5		CH186 General Chemistry 2	3
			CH187 Qualitative Analysis	2
BI151 Biological Reasoning	3		BI153 Intro. Organismal Bio.	4
BI152 Intro Sci. Invest.	1		SC105 Fund. Oral Comm.	3
AD101 Intro. Microcomp. Appl.	3		MA139 Applied Calculus	3
Non-professional Elective*	3			
<b>Total</b>	<b>18</b>		<b>Total</b>	<b>18</b>

**Summer**

Non-professional Elective*	6
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**Second Year of Pre-Pharmacy**

<u>Fall semester</u>	<u>Hours</u>		<u>Spring Semester</u>	<u>Hours</u>
CH341 Organic Chemistry 1	4		CH343 Organic Chemistry 2	3
CH342 Organic Laboratory 1	1		CH344 Organic Laboratory 2	2
PH120/020 Intro. Physics 1	5		PH121/021 Intro. Physics 2	5
MA223 or PY271 Statistics	3		EC215 Microeconomics	3
Non-professional Elective*	3		Non-professional Elective*	3
<b>Total</b>	<b>16</b>		<b>Total</b>	<b>16</b>

\* The 15 hours of “Non-professional electives” must include 6 hours of Social or Behavioral Sciences (Psychology, Sociology, Anthropology, Political Science, and Economics), as well as 9 hours of Humanities (History, Religion, Language, Philosophy, and Literature) and Fine Arts (Theatre Appreciation, Music Appreciation, Art Appreciation, or any Performing Arts). The 9 hours of Humanities and Fine Arts must have 3 hours in Humanities and 3 hours in Fine Arts - the remaining 3 hours can be a Humanities course or a Fine Arts course; it’s up to you.

## Pre-Pharmacy Program for Southern Illinois University-Edwardsville

### First Year

Fall Semester		Spring Semester	
Course	Credit Hours	Course	Credit Hours
SC105 or SC155 Speech	3	MA140 An. Geom. & Calc. 1	5
CH185 General Chemistry 1	5	CH186 General Chemistry 2	3
BI151 Biological Reasoning	3	CH187 Qualitative Analysis	2
EN100 English Composition	3	ZO200 Animal Biology	3
AD101 Intro. Micro. App.*	3	EN140 Rhet. & Crit. Think.	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

\* AD101 is a pre-requisite for EC215. AD101 can be tested out of. Contact the College of Business for details.

### Summer

Course	Credit Hours
BS113 Anatomy and Physiology 1	3
BS114 Anatomy and Physiology 2	3

### Second Year

Fall Semester		Spring Semester	
Course	Credit Hours	Course	Credit Hours
CH341 Organic Chemistry 1	4	CH343 Organic Chemistry 2	3
CH342 Organic Chem. 1 Lab	1	CH344 Organic Chem. 2 Lab	2
PH120 Intro. Physics 1	5	PH121 Intro. Physics 2	5
BO200 Plant Biology	3	LI2xx Literature, or any Art or Music (not performance)	3
PL110 or PL120 Philosophy	3	PY102 or PS240 or PY101 or SO102 or SO200	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

### Summer

Course	Credit Hours
EC215 Fund. Micro. Econ.	3