

## SUGGESTED PROGRAM OF STUDY

**Pre-Pharmacy – Three Year Program** (can convert to Chem. Major after 2 yrs)  
with MATH 111 Placement 2011 catalog and later

### First Year

#### Fall Semester

ENGL 101	(Composition)	(3)___
CHEM 111	(General Chem. I) <sup>1</sup>	(4)___
BIOL 121	(Biology I) <sup>2</sup>	(4)___
MATH 111	(Pre-Calc. I) <sup>1</sup>	(3)___
AFCI 101	(Critical Inquiry)	(1)___
15 credit hours		

#### Spring Semester

ENGL 102	(Comp and Lit)	(3)___
CHEM 112	(General II) <sup>1</sup>	(4)___
BIOL 243	(Anat. &Phys. I) <sup>1,2</sup>	(4)___
MATH 112	(Pre-Calc) <sup>1</sup>	(3)___
PSYC 101	(Psychology)	(3)___
17 credit hours		

### Second Year

#### Fall Semester

CHEM 331	(Org Chem I)	(3)___
CHEM 331L	(Org. I Lab)	(1)___
PHYS 201/211	(Physics I) <sup>2</sup>	(4)___
MATH 122/141	(Calculus)*	(3/4)___
Statistics	(STAT 201 /BIOL 305)	(3)___
14/15 credit hours		

#### Spring Semester

CHEM 332	(Org ChemII)	(3)___
CHEM 332L	(Org. Lab II)	(1)___
PHYS 202/212	(Physics II) <sup>3*</sup>	(4)___
MATH 142	(Calculus) <sup>3*</sup>	(4)___
BIOL 244	(Anat. &Phys. II) <sup>1</sup>	(4)___
16 credit hours		

Summer – complete PharmCas Application and take PCAT

### Third Year

#### Fall Semester

BIOL 122	(Biology II) <sup>1</sup>	(4)___
BIOL 250/330	(Microbiology)	(4)___
COMM 241	(Public Speaking)	(3)___
Humanities or Social Science		(3)___

Take PCAT again 14 credit hours

#### Spring Semester

Humanities or Social Science		(3)___
HIST _____	(History)	(3)___
ECON 221 or 222	(Economics)	(3)___

9 credit hours

Student who follow this program of study will have completed all of the prerequisite courses for the 3 most common Pharmacy Schools our students attend; USC, Presbyterian College, and South University. Most students apply to all 3 schools. Please refer to the checklist for school specific requirements.

1– CHEM 111 requires completion of, placement beyond, or co-registration with MATH 111. BIOL 243 requires completion of or placement beyond MATH 108. PHYS 201 requires completion of MATH 112 or 122. PHYS 211 requires completion of MATH 141.

2–The biology courses (BIOL 121, 122, 243, and 244) are frequently take during summer sessions to avoid taking 3 lab courses in the same semester. Students who obtain their pre-pharmacy requirements at USC Aiken will have earned four credit hours for the lab components of physics and anatomy/physiology courses beyond the minimum requested by the College of Pharmacy. (These are not elective credit hours.)

3– MATH 142 and PHYS 202/212 are requirements for Chemistry majors and pre-requisites for CHEM 541. Students who have chosen a different major can replace MATH 142 and PHYS 202/212 with other requirements. BIOL 250/330 is recommended because it will help prepare students for material that is on the PCAT which is taken over the summer before application.

\*Students who are considering a possible 4 year degree if they do not enter Pharmacy School after their junior year should take MATH 111/112/141 and PHYS 202/212 in the 2<sup>nd</sup> year to keep their major options open.

- For those who plan to earn a USC Aiken degree prior to pharmacy school, the above courses do fit well into most majors on campus and many of the courses will satisfy USC Aiken's General Education requirements.
- The chemistry, physics, and math courses listed have prerequisites and need to be taken in sequence as listed. The anatomy/physiology course (BIOL 243) has a math prerequisite to begin the sequence but the other biology courses (BIOL 121, 122) do not and may be taken in any order.
- Many students now plan at the beginning of their careers at USC Aiken to complete the pre-pharmacy curriculum in three years in parallel with courses taken for a major. Some students opt to complete a bachelor's degree at USC Aiken before proceeding to a pharmacy school.

(May 2016 Revised)