

**Bachelor of Science in Clinical Laboratory Sciences**  
**Indiana University Southeast**  
**2007-2009**

Name \_\_\_\_\_ Date \_\_\_\_\_

The following is a suggested plan to complete for degree the pre-professional Clinical Laboratory Science (CLS) courses at Indiana University Southeast. The following classes meet the campus' general education program primary and secondary requirements for the Clinical Laboratory Science degree. Students admitted to IUS beginning the fall 2005 semester must take classes that satisfy the general education requirements for this degree.

Students must apply for admission to the professional program at Bellarmine University in Louisville, Kentucky. The pre-professional coursework may be taken on a part-time basis; the professional program is presented in a full-time, day format only. The student takes the first two, pre-professional, years at Indiana University Southeast and then approximately 63 professional hours at Bellarmine University. Upon completion, the student receives an Indiana University degree.

Non-Indiana University tuition is required for the professional hours at Bellarmine University. This cost, however, is not significantly different from the cost of moving and living in Indianapolis for a year combined with the in-state tuition at IUPUI.

Any student who is interested in the Indiana University Southeast Clinical Laboratory Science Program should contact the School of Natural Sciences at (812) 941-2184.

**BACHELOR OF SCIENCE PREREQUISITES**

THE FOLLOWING ARE IUS COURSE NUMBERS AND HOURS

**BIOLOGY**

BIOL L101 Introduction to Biological Sciences I	5 cr _____
BIOL L102 Introduction to Biological Sciences II	5 cr _____
BIOL L-311-Genetics	3 cr _____
BIOL L-319-Genetics Laboratory	3 cr _____
BIOL L312-Cell Biology	3 cr _____
BIOL L313-Cell Biology Laboratory	3 cr _____
BIOL K312 Immunology (Prerequisites: MICR M310 or consent of instructor)	3 cr _____

**MICROBIOLOGY (will satisfy General Education course for writing)**

M310 Microbiology (Prerequisites: L101, L102)	3 cr _____
&	
M315 Microbiology Laboratory (Concurrent M310)	2 cr _____

**CHEMISTRY**

CHEM C105 (Principles of Chemistry I) 3 cr. \_\_\_\_\_  
(Two years of high school algebra or equivalent, or consent of instructor)

&

CHEM C125 (Experimental Chemistry I) 2 cr. \_\_\_\_\_  
(Prerequisite or concurrent C105)

CHEM C106 (Principles of Chemistry II) 3 cr. \_\_\_\_\_  
(Prerequisites: C105, C125)

&

CHEM C126 (Experimental Chemistry II) 2 cr. \_\_\_\_\_  
(Prerequisite or concurrent C106)

CHEM C341 (Organic Chemistry I-Lecture) 3 cr \_\_\_\_\_  
(Prerequisite C106)

&

CHEM C342 (Organic Chemistry II-Lecture) 3 cr \_\_\_\_\_  
(Prerequisite or concurrent C341)

**MATH (QUANTITATIVE REASONING)**

MATH M122 (College Algebra) 3 cr \_\_\_\_\_  
(Prerequisites: Two years of high school algebra and placement by exam, or M117)

&

MATH K300 (Statistical Techniques) or equivalent class 3 cr. \_\_\_\_\_  
(Prerequisite: 2 years of high school math including algebra, placement by exam, M014, or M117. Recommended M118)

Or

ECON 280 (Applied Statistics for Business and Economics I) 3 cr \_\_\_\_\_  
(Prerequisites M122 or equivalent placement)

**SOCIAL/BEHAVIORAL SCIENCES**

\_\_\_\_\_ 3 cr \_\_\_\_\_

\_\_\_\_\_ 3 cr \_\_\_\_\_  
(Recommend POLYS-Y107, Y109 or SOC-S-163)

**DIVERSITY REQUIREMENTS. (DIV)**

Choose one course (3 credits) from the following: Anthropology, Art, Classical Studies, Folklore, History, Literature, Music, Minority Studies, Philosophy, Psychology, Religion, or Sociology.

\_\_\_\_\_ 3 cr \_\_\_\_\_  
(Recommend POLYS-Y 107, Y 109 or SOC-S163)

**GENERAL EDUCATION REQUIREMENTS**-Please see the following website for a complete list of approved courses: <http://www.ius.edu/generaleducation/approved.cfm>

**ARTS AND HUMANITIES**

One course in Arts 3 cr \_\_\_\_\_  
One course in Humanities-Recommend PHIL-P100 3 cr \_\_\_\_\_

**ETHICAL REASONING**

One Course-Recommend PHIL-P100 as one of the courses 3 cr \_\_\_\_\_

**ORAL COMMUNICATION I**

SPCH S121 (Public Speaking) 3 cr \_\_\_\_\_  
(Prerequisite: W131 or concurrent enrollment in W131)

**WRITTEN COMMUNICATIONS I AND II**

ENG W131 (Elementary Composition) 3 cr \_\_\_\_\_  
(Prerequisite: W100 or placement)

&

ENG W231, W234 OR W290 3 cr \_\_\_\_\_  
(Prerequisite: W131 with a grade of C or higher or equivalent)

**INFORMATION TECHNOLOGY FLUENCY**

CSCI C106 Introduction to Computers and Their Use 3 cr \_\_\_\_\_

**INFORMATION LITERACY-FIRST YEAR SEMINAR**

**CRITICAL THINKING**-Covered by major. CHEM C105, BIOL L101 or L102

**NATURAL SCIENCES**-Covered by major CHEM C105/C125 and C106/C126

Total Pre-professional Credits-82

Total Program Credits-145

**Note:** Admissions are competitive and restricted. Applicants are considered on their own merits without bias concerning sex, color or creed. Acceptance is based upon the undergraduate record, letters of recommendation, community and extracurricular activities, personality and motivation, realistic perception of clinical laboratory science as a career, manual dexterity, ability to interact with other people satisfactorily, emotional maturity, and aptitude for transfer of knowledge to practical performance.

- Overall grade point average in pre-professional courses 2.5/4.0
- Grade point average in science and math courses 2.5/4.0
- Grade of “C” or higher in each required science course
- Interview Required Yes

