

Bachelor of Science Clinical Laboratory Science

Fall 2013 – Summer 2015

➤ *Number in parenthesis after course title denotes the number of credit hours for that course*

The following is a suggested plan to complete the pre-professional Clinical Laboratory Science (CLS) courses at Indiana University Southeast. Students must apply for admission to the professional program at Bellarmine University in Louisville, KY. The pre-professional coursework may be taken on a part-time basis; however, the professional program is presented in a full-time, day format only. Students take 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. Any student interested in the IUS Clinical Laboratory Science program should contact the School of Natural Sciences at (812) 941-2184 for an advising appointment.

Note: Admission to Bellarmine University is competitive and restrictive. 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 Yes
- Interview Required Yes

___ Must complete a minimum of 120 credit hours (combined IUS & Bellarmine coursework)

___ Must complete a minimum of 30 credits at the 300-400 level (combined IUS & Bellarmine coursework)

General Education Requirements

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| ___ Information Literacy (1) | COAS-FY104 (First Year Seminar) |
| ___ Written Communications I (3) | ENG-W131 (<i>Grade of “C” or better required</i>) |
| ___ Written Communications II (3) | One approved course (<i>Rec: ENG-W234, W231, or W290</i>) |
| ___ Oral Communication (3) | SPCH-S121 |
| ___ Quantitative Reasoning (3) | Covered by major with MATH-M122 |
| ___ Ethical Reasoning or Diversity (3) | One approved course |
| ___ & ___ Natural Sciences (5) | Covered by major with CHEM-C105/C125 or BIOL-L101 |
| ___ Arts or Humanities (3) | One approved course |
| ___ Social Science (3) | One approved course |
| ___ Gen. Ed. (3) | One approved course chosen from Arts, Humanities, or Social Science
(<i>Must be different subject from two categories above</i>) |

Major Requirements

* Must receive a "C" or better in all major courses

		<u>Typically Offered</u>	<u>Pre-Requisite</u>
Chemistry (16)			
___ Principles of Chemistry I (3)	CHEM-C105	Fall, Spring, Summer	None
___ Experimental Chemistry I (2)	CHEM-C125	Fall, Spring, Summer	C: CHEM-C105
___ Principles of Chemistry II (3)	CHEM-C106	Spring, Summer	CHEM-C105
___ Experimental Chemistry II (2)	CHEM-C126	Spring, Summer	CHEM-C125
			C: CHEM-C106
___ Organic Chemistry I (3)	CHEM-C341	Fall, Summer	CHEM-C106
___ Organic Chemistry II (3)	CHEM-C342	Spring, Summer	CHEM-C341
Mathematics (6)			
___ College Algebra (3)	MATH-M122	Fall, Spring, Summer	R: MATH-M102 or Placement
___ Statistics (3)	MATH-K300	Fall, Spring, Summer	None
Biology (33)			
___ Intro. to Biology I (5)	BIOL-L101	Fall, Spring, Summer	None
___ Intro. to Biology II (5)	BIOL-L102	Fall, Spring, Summer	None
___ Molecular Biology (3)	BIOL-L211	Fall, Spring, Summer	BIOL-L101, L102, & CHEM-C101 or C105 w/grade of C or better
___ Microbiology (3)	MICR-M310	Fall, Spring	BIOL-L211
___ Microbiology Lab (2)	MICR-M315	Fall, Spring	C: MICR-M310
___ Genetics (3)	BIOL-L311	Fall, Spring	BIOL-L211
___ Genetics Laboratory (3)	BIOL-L319	Fall, Spring	C: BIOL-L311
___ Immunology (3)	BIOL-K312	Fall Only	BIOL-L101, BIOL-L102 & Intro. Chemistry
___ Cell Biology (3)	BIOL-L312	Fall, Spring	BIOL-L211, R: BIOL-L311
___ Cell Biology Laboratory (3)	BIOL-L313	Spring Only	C: BIOL-L312