

GENERAL EDUCATION REQUIREMENTS/PREREQUISITES (IUPUI Course Numbers)

1. WRITTEN COMMUNICATION – TWO COURSES

| Dept | Course | Title | Credit Hours |
|-------|--------|-------------------------------------|--------------|
| ENG-W | 131 | Elementary Composition I | 3.0 |
| ENG-W | 132 | Elementary Composition II <u>OR</u> | 3.0 |
| ENG-W | 231 | Professional Writing Skills | |

2. VERBAL COMMUNICATION – ONE COURSE

| Dept | Course | Title | Credit Hours |
|--------|--------|------------------------------------------------|--------------|
| COMM-R | 110 | Fundamentals of Speech Communication <u>OR</u> | 3.0 |
| COMM-C | 180 | Introduction to Interpersonal Communication | |

3. HUMANITIES – ONE COURSE (3.0 CR HRS)

| Dept | Course | Title | Credit Hours |
|------|---------------------|-------|--------------|
| | One Elective | | 3.0 |

APPROVED SUBJECT AREAS INCLUDE: Classical studies, literature, English, film studies, folklore, foreign language, history, journalism, philosophy, religion, speech communication (*additional course*), minority studies, visual and performing arts. Other areas can be taken with approval of the program's admissions committee.

4. COLLEGE-LEVEL MATHEMATICS – TWO CONTENT AREAS

| Dept | Course | Title | Credit Hours |
|---------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| A. College Algebra or Higher (One or Two Courses) – Choose <u>ONE</u> Sequence | | | |
| MATH | 15300 | Algebra and Trigonometry I <u>AND</u> (P: 111 with a min. grade of C or two years of high school algebra) | 6.0 |
| MATH | 15400 | Algebra and Trigonometry II (<i>Preferred</i>) <u>OR</u> (P: 153 with a minimum grade of C) | |
| MATH | 15900 | Precalculus (P: 111 with a minimum grade of B or placement) <u>OR</u> | 5.0 |
| MATH-M | 119 | Brief Survey of Calculus (P: 111 or 110 with a minimum grade of C- or equivalent or placement) | 3.0 |
| B. Statistics (One Course) | | | |
| | Choose one of the following options (or equivalent) | PSY-B 305 (Statistics), P: PSY-B 104 or 105; STAT 30100 (Elementary Statistical Methods I), P: MATH 11000 or 11100; <u>or</u> SPEA-K 300 (Statistical Techniques), P: MATH 11000 or 11100 | 3.0 |

5. SOCIAL-BEHAVIORAL SCIENCES-TWO COURSES, Minimum of 6.0 credit hours

| Dept/Course | Title | Credit Hours |
|------------------------|------------------------------------------------------------------|--------------|
| First Elective | Choose courses from PSY-B, SOC-R , or ANTH-A. Courses from other | 3.0 |
| Second Elective | approved departments may be taken upon request. | 3.0 |

ADMISSIONS TIPS

Applicants with cumulative and/or math/science GPAs close to the minimum requirements (2.50 on 4.00 scale) typically have difficulty gaining admission to the CLS Program if a large number of qualified applicants are received.

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE - CONTINUED

6. BASIC LIFE/PHYSICAL SCIENCES – TWO CONTENT AREAS

| BIOLOGICAL SCIENCES – Minimum of 18.0 credit hours to include the following courses: | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|------------------------------------------------------------------------------------------------------------|--------------|
| | Dept | Course | Title | Credit Hours |
| I. | BIOL-K | 101 | Concepts of Biology I AND (<i>Preferred</i>) | 4.0-10.0 |
| | BIOL-K | 103 | Concepts of Biology II (P: K101) OR | |
| | BIOL-N | 107 | Exploring the World of Animals | |
| II. | BIOL-N | 251 | Introduction to Microbiology OR (P: one semester general chemistry or one semester life science) | 3.0-4.0 |
| | MICR-J | 210 | Microbiology and Immunology (P: N261, C101 & C110, and N217) | |
| | BIOL-K | 356 | Microbiology (P: BIOL-K 103, CHEM-C 341) | |
| III. | BIOL-N | 322 | Introductory Principles of Genetics OR (P: N107 or K101) | 3.0 |
| | BIOL-K | 322 | Genetics and Molecular Biology (P: K103 and CHEM C106) | |
| IV. | BIOL-N | 217 | Human Physiology OR (<i>Recommend BIOL-N 261 in advance</i>) | 5.0-8.0 |
| | BIOL-N | 212/213 214/215 | Human Biology & Human Biology Laboratory AND Human Biology & Human Biology Laboratory | |
| V. | BIOL-K | 338 | Introductory Immunology (P: K 103 and CHEM-C 106) | 3.0 |
| Limitations of Course Work Courses in chemistry (upper level), microbiology, and immunology must have been completed within the previous six years. Six year limit applied at application deadline. | | | | |

| CHEMISTRY – Minimum of 18.0 credit hours to include the following courses: | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| | Dept | Course | Title | Credit Hours |
| I. | CHEM-C | 105 | Principles of Chemistry I AND (P: two years of high school algebra and one year of high school chemistry; usually taken concurrently with C 125) | 3.0 |
| | CHEM-C | 125 | Experimental Chemistry I AND (P or C: C105 or equivalent) | 2.0 |
| II. | CHEM-C | 106 | Principles of Chemistry II (P: C 105 or equivalent; usually taken concurrently with C 126) | 3.0 |
| | CHEM-C | 126 | Experimental Chemistry II (P: C105/125 C: C 106 or equivalent) | 2.0 |
| III. | CHEM-C | 341 | Organic Chemistry I (P: 106) AND | 3.0 |
| | CHEM-C | 343 | Organic Chemistry Laboratory (P: 126, P or C: C341) | 2.0 |
| IV. | CHEM-C | Upper – Level Elective | Many options exist; check upper-level chemistry course descriptions to make sure you have the required prerequisites. | 3.0 |
| Limitations of Course Work Courses in chemistry (upper level), microbiology, and immunology must have been completed within the previous six years. Six year limit applied at application deadline. | | | | |
| TOTAL CREDIT HOURS NEEDED FOR PROGRAM ENTRY | | | | 90.0 |

ADMISSIONS STATISTICS OF NOTE

Average GPAs for 08 Entry: Cumulative= 3.33 Math/Science= 3.18
Average GPAs for 07 Entry: Cumulative= 3.34 Math/Science= 3.22

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE - CONTINUED

SUGGESTED ELECTIVES – The number of required electives will vary by student. Remedial courses do not count towards the ninety (90) hours needed for program entry.

SUGGESTED PLAN OF STUDY – All programs provide a suggested plan of study in their section of the IUPUI Campus Bulletin. For the more recent version, visit <http://bulletin.iupui.edu>. Plans of study may vary by student based on the placement test scores, date major was declared, or other factors. Students should work with their academic advisor to ensure that they taking courses in the appropriate sequence and to finish all required program courses by program entry.

IMPORTANT ADMISSIONS CRITERIA & ADDITIONAL INFORMATION - For a complete list, see the School of Medicine Health Professions Programs section of the IUPUI Bulletin. Completion of requirements does not guarantee admission into the program. Competitive grade point averages are generally higher than the stated minimums.

- Credit hours needed prior to entrance.....90 credits
- Minimum Grade Point Averages needed2.50 CUMULATIVE
- Minimum Component Grade Point Averages needed2.50 MATH/SCIENCE
- Minimum grade needed in stated prerequisite course.....C (2.00)
- Interview requiredYes
- Application Deadline.....December 1 – Year Prior to Entry

FOR MORE INFORMATION - For advising assistance visit us online at <http://medicine.iu.edu/hpp/> or contact the School's Administrative Office at (317) 278-4752 or askhpp@iupui.edu.

NOTE: Enrollment at Indiana University does not guarantee admission to any of the IU School of Medicine Health Professions Programs. To be eligible for admission to one of these programs, students must adhere to the academic regulations of the academic unit in which they are enrolled and meet School and individual program preadmission requirements as stipulated in the general education and program sections of the most recent bulletin. Admission to many programs is competitive; therefore, completion of the prerequisites and meeting the minimum grade point averages does not guarantee admission to the program. To be considered for admission, students must complete an application in the year prior to entry by the program's stated application deadline.

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