



GENERAL EDUCATION – Part I (IUPUI Course Numbers)
State General Education Core Not Completed

These requirements must be met by all applicants.

1. CORE COMMUNICATION – **TWO** CONTENT AREAS (2 Courses, 6.0 Cr Hrs)

Dept	Course	Title	Cr Hrs
ENG-W	131	Reading, Writing, & Inquiry I	3.0
COMM-R	110	Fundamentals of Speech Communication	3.0

2. ARTS/HUMANITIES & SOCIAL SCIENCES – **TWO** CONTENT AREAS (3 Courses, 9.0 Cr Hrs)

			Cr Hrs
A. Arts/Humanities (One Course, Minimum of 3.0 cr hrs)			
	One Elective	Elective from Approved Arts/Humanities List*	3.0
B. Social Sciences (One Course, Minimum of 3.0 cr hrs)			
	One Elective	Elective from Approved Social Sciences List*	3.0
C. Arts/Humanities OR Social Sciences (One Additional Course, Minimum of 3.0 cr hrs)			
	One Elective	Elective from Approved Arts/Humanities OR Social Sciences List*	3.0

3. CULTURAL UNDERSTANDING – **ONE** COURSE (3.0 Cr Hrs)

			Cr Hrs
	One Elective	Elective from Cultural Understanding List*	3.0

4. ANALYTICAL REASONING – **TWO** CONTENT AREAS (2 Courses, 6.0 Cr Hrs)

Dept	Course	Title	Cr Hrs
A. College Algebra or Higher (One Course)+			
MATH	15300	Algebra and Trigonometry I	3.0
MATH-M	11900	OR Brief Survey of Calculus	
MATH	11800	OR Finite Math	
+Enrollment in math courses requires placement or completion of prerequisite course			
B. Analytical Reasoning Elective – List B (One Course)			
	One Elective	Elective from Approved Analytical Reasoning – List B*	3.0

The Cytotechnology Program will accept two different first year chemistry course tracks. Option I would be recommended for those on a pre-professional track or those considering the CLS Program. Option II has also been approved by the program's admissions committee (see next page).

5. LIFE AND PHYSICAL SCIENCES – **ONE** CONTENT AREA (2 Lecture Courses, 6.0 Cr Hrs + 2 Lab Courses, 4.0 Cr Hrs[^])

Dept	Course	Title	Cr Hrs
CHEMISTRY (P: Chemistry Placement Exam) – Option I (See Next Page for Option II)			
CHEM-C	105	Principles of Chemistry I	3.0
CHEM-C	125 [^]	AND Experimental Chemistry I	2.0
CHEM-C	106	Principles of Chemistry II	3.0
CHEM-C	126 [^]	AND Experimental Chemistry II	2.0

[^]Laboratory components (CHEM-C 125/126) are program requirements, but listed with the general education courses since they should be taken concurrently with the appropriate lecture courses.

OR (Option II)

CHEM-C	101	Elementary Chemistry I (P: at least one semester of high school algebra. Usually taken concurrently with C121.)	3.0
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BS IN CYTOTECHNOLOGY/STGEC NEEDED - CONTINUED

CHEM-C	121^	AND Elementary Chemistry Laboratory I (P or C: C 101)	2.0
CHEM-C	110	The Chemistry of Life	3.0
CHEM-C	115^	AND Lab for the Chemistry of Life	2.0

^Laboratory components (CHEM-C 121/115) are program requirements, but listed with the general education courses since they should be taken concurrently with the appropriate lecture courses.

ADDITIONAL PROGRAM REQUIREMENTS – Part II (IUPUI Course Numbers)

1. ADDITIONAL WRITTEN COMMUNICATION – ONE COURSE (3.0 Cr Hrs)

Dept	Course	Title	Cr Hrs
ENG-W	231	Professional Writing Skills	3.0
ENG-W	230	OR Science Writing	
ENG-W	270	OR Argumentative Writing	

2. LIFE AND PHYSICAL SCIENCES – ADDITIONAL BIOLOGICAL SCIENCES REQUIREMENTS – Minimum of 25.0 credit hours to include the following courses in all content areas:

Dept	Course	Title	Cr Hrs
A. Introduction to Biology – Choose One Sequence			
BIOL-K	101	Concepts of Biology I (<i>Recommended</i>)	4.0-10.0
BIOL-K	103	AND Concepts of Biology II (P: K101) (<i>Recommended</i>)	
BIOL-N	107	OR Exploring the World of Animals	
B. Human Anatomy & Human Physiology – Choose One Sequence			
BIOL-N	261	Human Anatomy	8.0-10.0
BIOL-N	217	AND Human Physiology	
OR			
BIOL-N	212/213	Human Biology I & Human Biology I Laboratory	
BIOL-N	214/215	AND Human Biology II (P: BIOL-N 212) & Human Biology II Lab	
C. Upper Level Biology – Choose At Least Three Courses from the below options; other upper level courses can be taken with program approval			
BIOL-N	251	Introduction to Microbiology	3.0-4.0
MICR-J	210	OR Microbiology and Immunology	
BIOL-K	356	OR Microbiology (P: BIOL-K 103, CHEM-C 341)	
BIOL-K	331	Developmental Biology (P: K 101)	3.0-4.0
BIOL-K	333	Developmental Biology Laboratory (P or C: K 331) (<i>OPTIONAL</i>)	
BIOL-N	322	Introductory Principles of Genetics (P: N107 or K101)	3.0
BIOL-K	322	OR Genetics and Molecular Biology (P: K103 and CHEM C106)	
BIOL-K	324	Cell Biology (P: K103 and CHEM-C 106)	3.0-5.0
BIOL-K	325	Cell Biology Laboratory (P or C: K 324) (<i>OPTIONAL</i>)	
BIOL-K	338	Introductory Immunology (P: K 103 and CHEM-C 106)	3.0

Limitations of Course Work - Biology credits earned more than seven years before application must be updated by taking 3 additional credit hours related to cell biology within a period of time not to exceed 12 months before admission. Remedial courses will not fulfill prerequisite hours.

ELECTIVE CREDIT HOURS NEEDED FOR PROGRAM ENTRY **17.0-25.0**

SUGGESTED ELECTIVES –Art Appreciation, Medical Terminology, Statistics, Computer Science/Technology, Supervision (OLS), Medical Microbiology, Biochemistry, Endocrinology, Parasitology, Virology, Cytogenetics, Organic Chemistry, Physics, and Mathematics.

TOTAL CREDIT HOURS NEEDED FOR PROGRAM ENTRY **83.0**

ADMISSIONS TIPS

Updated September 2018

The Cytotechnology Program's Admissions Committee calculates a biology course GPA for each applicant. Grades in the biological sciences are a very important factor in determining where an applicant will rank in any given year.

SUGGESTED PLAN OF STUDY – Each program provides a suggested plan of study in their section of the IUPUI Campus Bulletin. For the most 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 83 credits
- Minimum Grade Point Averages needed..... 2.50 Cumulative
- Minimum Component Grade Point Averages needed 2.50 Biology Courses
- Minimum grade needed in prerequisite course C (2.00)
- Interview required Yes
- Application Deadline December 1 – Year Prior to Entry
- Entry Requirements Must Be Completed By..... **At Program Entry**

**To see approved courses that can be considered to meet specific areas, where not already designated, please visit <https://due.iupui.edu/undergraduate-curricula/general-education/iupui-general-education-core/>.*

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.