

**IUPUI University College
School of Science**

Chemistry – Purdue Bachelor of Arts, Pre-Physical Therapy Option

Required: SCI-I120 Windows on Science. With permission another Learning Community may be substituted. 1 cr. _____

AREA I COMMUNICATION – 9 credit hours

A. English Composition – 6 credit hours
(Grade of a C or better in each course is required.)

ENG-W131 (ENG-W140) English Composition I 3 cr. _____

Second composition course
ENG-W132 (ENG-W150), ENG-W231, ENG-W233 3 cr. _____
ENG-W290, TCM 22000, or TCM 32000

B. Speech Communication – 3 credit hours
COMM-R110 Speech Communication 3 cr. _____

AREA II FOREIGN LANGUAGE – 10 credit hours
All B.A. degrees require first year proficiency in a foreign language. It can be any foreign language offered, including American Sign Language, Greek or Latin.

AREA III GENERAL EDUCATION REQUIREMENTS

A. Humanities, Social Sciences, & Comparative World Cultures – 12 credit hours
HIST-H114 Western Civilization II 3 cr. _____

One course each from List H, S and C.
See School of Science Course List under checksheets.

List H: _____ 3 cr. _____
List S: PSY-B104 Psychology as a Social Science 3 cr. _____
List C: _____ 3 cr. _____

B. Junior/Senior Integrator – Requirement suspended.
C. Physical and Biological Sciences – min 4 courses, 12 credit hours
(No grade below C- will be accepted in any of these courses.)

BIOL-N217 Human Physiology 5 cr. _____
BIOL-N261 Human Anatomy 5 cr. _____
PHYS-P201 General Physics I 5 cr. _____
PHYS-P202 General Physics II 5 cr. _____

(NOTE: The following courses may not be used to fulfill the AREA IIIC requirement: AST-A130, BIOL-N100, BIOL-N107, BIOL-N120, BIOL-N200, CHEM-C100, CHEM-C101, CHEM-C110, GEOL-G130, PHYS 01000, PHYS 10000, PHYS 14000, PHYS 20000, PHYS 21800, PHYS 21900; all agriculture. Consult a departmental academic advisor concerning the acceptability of other courses.)

D. Math and Computer Science
(A single grade of D or D+ will be accepted in one of these courses. Otherwise, all courses must be a C- or higher.)

1. MATH 23100 Calculus for the Life Science I 3 cr. _____
MATH 23200 Calculus for the Life Sciences II 3 cr. _____
2. One course in computer science: CSCI-N2## level or higher.
(CSCI-N241 and CSCI-N299 do not count in this AREA).

AREA IV MAJOR COURSES – 32 credit hours
Students must have a grade of C (2.0) or higher for courses listed in AREA IV.

*CHEM-C105 Principles of Chemistry I 3 cr. _____
CHEM-C125 Experimental Chemistry I 2 cr. _____
CHEM-C106 Principles of Chemistry II 3 cr. _____
CHEM-C126 Experimental Chemistry II 2 cr. _____
CHEM-C341 Organic Chemistry Lecture I 3 cr. _____
CHEM-C343 Organic Chemistry Laboratory I 2 cr. _____
CHEM-C342 Organic Chemistry Lecture II 3 cr. _____
CHEM-C344 Organic Chemistry Laboratory II 3 cr. _____
CHEM-C310 Analytical Chemistry 2 cr. _____
CHEM-C311 Analytical Chemistry Laboratory 1 cr. _____
CHEM-C360 Introductory Physical Chemistry 3 cr. _____
or CHEM-C361 Physical Chemistry of Bulk Matter 3 cr. _____
CHEM-C410 Principles of Chemical Instrumentation 3 cr. _____
CHEM-C411 Principles of Chem Instrumentation Lab 2 cr. _____
CHEM-C494 Intro to Capstone in Chemistry 1 cr. _____
(meets capstone requirement)

***CHEM-C105 Prerequisites:**
(1) MATH 11100 or higher and (2) placement into CHEM-C105 on the Chemistry Placement Test (for students with one or more years of high school chemistry) OR completion of CHEM-C101 with a grade of C or better.

Call (317) 274-4240 to schedule the Chemistry Placement Test.

AREA V ELECTIVES
The Chemistry Department counts towards graduation only 15 credit hours of courses taken outside the Schools of Science, Liberal Arts, Business, Engineering & Technology, and Public & Environmental Affairs.

Additional courses for the pre-physical therapy option include:
• One statistics course selected from:
PSY-B305, SPEA-K300 or STAT 30100.
• PSY-B310 Life Span Development

