CHEMISTRY – PREMEDICINE  Bachelor of Science  (BS)  A13M

At least 120 hours are required for graduation, and students must earn a 2.0 overall GPA, a 2.0 WSU GPA, and a 2.0 GPA in the major. Students must also complete all courses required for Liberal Arts and Sciences General Education.

Must meet with Chemistry Advisor upon declaration of major.

Requirements For Major:  93-94 hours

ALL  CHEM 211 General Chemistry I (5)
ALL  CHEM 212 General Chemistry II (5)
FL  CHEM 523 Analytical Chemistry (4)
ALL  CHEM 531 Organic Chemistry I (5)
FL & SP  CHEM 532 Organic Chemistry II (5)
FL  CHEM 662 Biochemistry I (3)
SP  CHEM 663 Biochemistry II (3)
CHEM 664 Biochemistry Lab (3)
ALL  CHEM 690 Independent Study and Research (1-3)

Select one of the following (CHEM 605 strongly recommended):

CHEM 605  Medicinal Chemistry (3)
HS 301  Clinical Pharmacology (3)

Select one additional chemistry course numbered above 500 (except 700/701)

CHEM ___ _______________________________ (3)

Select a 1 year sequence of Physics courses, including lab, numbered above 200:

FL & SP  PHYS 213 General College Physics I (5)
FL & SP  PHYS 214 General College Physics II (5)

ALL  MATH 242 Calculus I (5)
ALL  MATH 243 Calculus II (5)
FL & SP  BIOL 210 General Biology I (4)
FL & SP  BIOL 211 General Biology II (4)
and  BIOL 223 Human Anatomy and Physiology (5)
BIOL 223L Human Anatomy/Physio Lab
FL  BIOL 419 Genetics (4)
HS 600 Advanced Clinical Anatomy (5)
STAT 370 Elementary Statistics (3)
PSY 111 General Psychology (3)

Select one of the following courses:

BIOL 220 Introduction to Microbiology (4)
FL  BIOL 330 General Microbiology (5)
SP  BIOL 420 Molecular Cell Biology (4)

Applied Learning

Students in the BS in chemistry – premedicine program are required to complete an applied learning or research experience to graduate from the program. The requirement can be met by completing at least one semester of undergraduate research, by enrollment in CHEM 690.

This program is designed for students not expecting to become professional chemists and therefore does not necessarily meet standards of certification by the American Chemical Society or entry requirements for graduate work in chemistry.

Contact Dept. Office to arrange an advising appointment (978-3120, 206 McKinley Hall)
Dr. Doug English, Chair
Department of Chemistry
206 McKinley Hall, 978-3120
Dr. Jim Bann, Advisor
206 McKinley Hall, 978-3120
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