Major in Predental Preparation

Suggested schedule of courses on the semester system at Ball State University.

FRESHMAN

Fall

BIO 111 Principles of Biology I (4)# CHEM 111 General Chemistry I (4)

Spring

BIO 112 Principles of Biology II (4)# CHEM 112 General Chemistry II (4)

SOPHOMORE

CHEM 231 Organic Chemistry I (4) Recommended: ANAT 201 Mammalian

Anatomy (3)

BIO 214 Genetics (4)

Recommended: PHYSL 215 Human

Physiology (5)

Recommended: CHEM 232 Organic Chemistry II (4)

JUNIOR

PHYCS 110 General Physics I (4)* Recommended: BIO 215 Cell Biology (4) PHYCS 112 General Physics II (4)* ZOOL 330 Structure and Development of Vertebrates (5)

DAT**

SENIOR

Electives, general studies, minor(s), second major, etc. ***

- * Students with appropriate background in mathematics may take PHYCS 120 and 122. Since there is no physics on the DAT, the physics courses may be taken in the senior year.
- ** Spring of the junior year is the recommended time for the Dental Admissions Test for those students planning to earn a bachelor's degree before entering dental school. The test may be repeated in the fall of the senior year, if necessary. Students hoping to enter dental school after only three years of predental work should take the DAT in the spring of the sophomore year and complete the physics courses during the junior year.
- *** Courses providing further background for the DAT are ANAT 201, BIO 215, CHEM 232, PHYSL 215. Additional courses of value as background for the dental school curriculum include ANAT 320, 430, BIO 313, 457, CC 102, CHEM 360.

In addition to science courses included in the major, other <u>specific requirements for admission</u> to Indiana University School of Dentistry are: one semester each of physiology (PHYSL 215), biochemistry (CHEM 360), introductory psychology (PSYSC 100), and English composition (ENG 104). Courses strongly recommended by the dental school are business courses including Business Management (MGT 300), personal finance (FIN 110), Spanish (SP 101 or higher), and anthropology (ANTH 101 and 111). Students can demonstrate fine motor dexterity by taking ceramic or jewelry making classes. These do not need to be university classes. Dexterity can also be demonstrated by playing a musical instrument like piano or violin. All predental students should have alternative goals and should complete second majors in any areas in which they have strong interests. Mathematics through Calculus (MATHS 161 and 162 or MATHS 165 and 166) is strongly recommended.

These may be taken in either order. Students should delay BIO 111 if their chemistry background is weak or until they have had CHEM 111.

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