

University of Indianapolis – Shaheen College of Arts & Sciences
2024-2025 Curriculum Guide for the Pre-Dental Program (PDEN)
 Professional Studies Concentration

The Pre-Dental Program

As a student interested in a career as a dentist, you must complete a number of courses required for admission to dental school. These courses also will help you prepare for the dental school admissions test (DAT), a test that is required for admission to most dental school programs. The courses required for admission to dental school do not compose an undergraduate major; therefore, you must also select a major in one academic discipline.

You may select any major offered at the University of Indianapolis, but you should consider one that will allow you to complete both major courses and dental school prerequisites simultaneously. Your faculty advisor and Academic Advisor in CASA can assist you in making your choice of a major.

Advising

You will be assigned a faculty member in your major area, who will serve as your faculty advisor. S/he will advise you regarding major and general education core requirements. Dr. Joe Burnell, Department of Chemistry, is the pre-professional advisor who will assist you in fulfilling dental school prerequisites. Each semester you should consult with him as well as with your faculty advisor, to ensure that you are making satisfactory progress in all phases of your program.

Admission to Dental School

Your pre-dental advisor, Dr. Burnell, will provide information about admissions procedures for dental school.

Courses Required for the Pre-Dental Program

This list of courses is based on those required for admission to the Indiana University School of Dentistry. Dental schools set their own lists of prerequisite courses. Each school to which a student is intending to apply should be consulted for specific course requirements.

Required Science Courses

- **BIOL 155** Introduction to the Diversity of Life (4 credits)
- **BIOL 165** Introduction to Cell Biology (4 credits)
- **BIOL 225** Introduction to Genetics (4 credits)
- **BIOL 220** General Microbiology (4 credits)
- **BIOL 305** Human Functional Anatomy (4 credits)
- **BIOL 330** Biomedical Physiology (4 credits)
- **CHEM 150/151** General Chemistry I and Lab (4 credits)
- **CHEM 160/161** General Chemistry II and Lab (4 credits)
- **CHEM 250/251** Organic Chemistry I and Lab (5 credits)
- **CHEM 260/261** Organic Chemistry II and Lab (5 credits)
- **CHEM 320** Biochemistry I (3 credits)
- **PHYS 150** General Physics I (4 credits) **and**
- **PHYS 160** General Physics II (4 credits) **or**
- **PHYS 153** General Physics I, Calculus Based (4 credits) **and**
- **PHYS 163** General Physics II, Calculus Based (4 credits)

Other Requirements

- **ENGL 101** English Composition (3 credits)
- **COMM 100** Public Speaking (3 credits) **or**
- **COMM 200** Business and Professional Communication (3 credits)

Courses Recommended for the Pre-Dental Program

- **ART 174** Ceramics I (3 credits)
- **BIOL 335** Cell Biology (4 credits)
- **BIOL 300** Internship Health/Life Science (1-4 credits)
- **BIOL 325** Advanced Genetics (4 credits)
- **BIOL 390** Molecular Biology (4 credits)
- **CHEM 395** Biochemistry II (3 credits)
- **BADM 110** Introduction to Business (3 credits)
- **BADM 120** Introduction to Business Finance (3 credits)
- **MGT 281** Management (3 credits)
- **PSY 120** Introduction to Psychology (3 credits)

REMEMBER: If you have any questions about the Pre-Dental Program, contact Dr. Joe Burnell: 788- 3284, Lilly Science Hall, Room 332E. Courses and requirements sometimes change so keep in contact with your advisor.