School of Dentistry Administration

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Overview

The Indiana University School of Dentistry (IUSD) is a member of the American Dental Education Association and is fully accredited by the Commission on Dental Accreditation of the American Dental Association.

IU's dental school is one of the oldest in the nation. It was established as the Indiana Dental College in 1879 and acquired by Indiana University in 1925. It is the only dental school in the state.

The school is located on the campus of Indiana University–Purdue University Indianapolis (IUPUI), adjacent to the University Medical Center. Clinical facilities in the School of Dentistry are excellent, and patients are drawn from a population area of some 1 million people. The great variety of cases treated provides each student with abundant opportunity to perfect techniques.

The school also maintains dental clinics in Riley and University Hospitals, the Regenstrief Health Center (all at the Medical Center on the IUPUI campus), and at two off-campus sites.

Men and women who have graduated with IU's Doctor of Dental Surgery (D.D.S.) degree and Master of Science in Dentistry (M.S.D.) degree currently are practicing dentistry and pursuing careers in related fields in nearly all of the 50 states and in many countries. Students may also earn the Ph.D. or the M.S. degree in dentistry and related science fields through IU's University Graduate School.

Indiana University offers undergraduate programs in dental support fields at several IU campuses. A one-year program for dental assistants and a two-year associate degree program for dental hygienists* are offered at the Indianapolis,

Fort Wayne, Gary, and South Bend campuses. A four-year bachelor's degree program for dental hygienists is offered at Indianapolis and Fort Wayne. A two-year associate degree program in dental laboratory technology is offered at Fort Wayne only. Students interested in undergraduate programs should check with a counselor on the campus they will attend for specific requirements, which may vary. In addition, under the D.D.S. program at the School of Dentistry, it is possible to earn a B.A. degree in cooperation with the Indiana University College of Arts and Sciences. Other universities in Indiana also offer a combined degree program. In all instances, the bachelor's degree is awarded by the undergraduate school attended, not by the IU School of Dentistry. Students who are interested in this type of program should consult their predental advisor.

This bulletin describes the opportunities available at IUSD and outlines the requirements for admission to and completion of its programs.

*Only five dental hygiene programs are available in Indiana—IU's four programs and one offered by the University of Southern Indiana in Evansville.

Contact Information

School of Dentistry Web site: www.iusd.iupui.edu

Requests for application forms or information about dental education programs should be directed to:

(for Dentistry [D.D.S.] and Dental Hygiene [A.S.D.H.] degree programs at Indianapolis):
Student Records and Admissions Office, Room 105
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, IN 46202-5186
Telephone: (317) 274-8173
Fax: (317) 278-9066
E-mail: ds-stdnt@iupui.edu

(for the Bachelor of Science Degree in Public Health Dental Hygiene at Indianapolis):
Director of Dental Hygiene
Periodontics and Allied Dental Programs
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, IN 46202-5186
Telephone: (317) 274-7801

(for M.S., M.S.D., and Ph.D. degree programs at Indianapolis):
Office of Graduate Education
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, IN 46202-5186
Telephone: (317) 274-5348
Fax: (317) 278-9066
E-mail: ds-grad@iupui.edu

(for the Oral and Maxillofacial Surgery and the General Practice Residency certificate programs):
Residency/Education Coordinator
GPR and Oral and Maxillofacial Surgery Programs
Regenstrief Health Center
1050 Wishard Blvd., Room 4201
Indianapolis, IN 46202-2872
Telephone: (317) 278-3662; Fax: (317) 278-2243

(for the Dental Assisting program at Indianapolis):
Director of Dental Assisting
Periodontics and Allied Dental Programs
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, IN 46202-5186
Telephone: (317) 274-4407

The School of Dentistry Student Records and Admissions Office is open 8 a.m. to 5 p.m., Monday through Friday. The dental school fax number is (317) 278-9066, and the Web site is www.iusd.iupui.edu.

For information on allied dental programs at other Indiana University campuses, contact:
(for programs at Fort Wayne):
Director of Dental Hygiene
or
Director of Dental Assisting
or
Director of Dental Laboratory Technology
Neff Hall 150
Indiana University–Purdue University Fort Wayne
2101 E. Coliseum Boulevard
Fort Wayne, IN 46805-1499

www.ipfw.edu/dental
Telephone: (260) 481-6837

(for programs at South Bend):
Director of Dental Education
(Dental Hygiene and Dental Assisting)
Riverside Hall 113
Indiana University South Bend
1700 Mishawaka Avenue
Post Office Box 7111
South Bend, IN 46634-7111

www.iusb.edu/~sbdental
Telephone: (574) 520-4158; Fax (574) 520-4854

(for programs at Gary):
Director of Dental Education
(Dental Hygiene and Dental Assisting)
Indiana University Northwest
3400 Broadway
Gary, IN 46408-1197

www.iun.edu/~dental
Telephone: (219) 980-6770; Fax (219) 981-4249

Equal Opportunity/Affirmative Action

Indiana University pledges itself to continue its commitment to the achievement of equal opportunity within the university and throughout American society as a whole. In this regard, Indiana University will recruit, hire, promote, educate, and provide services to persons based upon their individual qualifications. Indiana University prohibits discrimination based on arbitrary consideration of such characteristics as age, color, disability, ethnicity, gender, marital status, national origin, race, religion, sexual orientation, or veteran status.

Indiana University shall take affirmative action, positive and extraordinary, to overcome the discriminatory effects of traditional policies and procedures with regard to the disabled, minorities, women, and Vietnam-era veterans. An Office of Equal Opportunity on each campus monitors the

university's policies and assists individuals who have questions or problems related to discrimination.

Student Learning Outcomes

experiment

Doctor of Dental Surgery (D.D.S.) Option

- Admission
- Tuition and Fees
- Curriculum
- Student Learning Outcomes

Admission

- Application Procedure
- Predental Counseling
- Predental Requirements
- Bachelor's/Doctoral Combined Degree Program
- Advanced Standing Program Requirements
- Coordinated Curriculum for Doctor of Dental Surgery and Master of Public Health Degrees
- Combined Ph.D./D.D.S. Degree Program Requirements

Application Procedure

Although the current application deadline is December 1, the selection process begins in November, which therefore gives early applicants a decided advantage. Electronic applications to dental school are available through the American Dental Education Association Web site, www.adea.org.

Applicants must also take the Dental Admission Test (DAT), which they may do before submitting the Associated American Dental Schools Application Service (AADSAS) application to IUSD, but IUSD will not grant an invitation for an interview until the school receives an applicant's DAT scores. The DAT can be taken nearly any day of the year at Prometric Candidate Contact Centers throughout the country. Students should take this test only after completing the required chemistry and biology courses. Applicants may request an interpretation of test results from the IUSD Student Records and Admissions Office. Details concerning the DAT may be obtained by writing the American Dental Association, 211 E. Chicago Avenue, Chicago, IL 60611; or by visiting www.ada.org.

Applicants will be invited to the school for a personal interview based upon the status of their application and their academic achievement. Criteria for admission include, but are not limited to, overall grade point average, science grade point average, DAT scores, interviews, recommendations, hours of college credit, degrees received, motivation, exploration of dentistry, manual and artistic skills, character, personality, ethics, and health. Applications from all underrepresented groups are encouraged. Selections are made on an individual basis upon appraisal of the applicant's established record and potential for development.

Predental Counseling

Students who want to discuss their academic programs should arrange appointments with predental advisors on their own campus. Nontraditional applicants or applicants with unusual circumstances may request an appointment with the dental school's Student Records and Admissions Office (see the section of this Web site entitled Contact Information).

Predental Requirements

Most students accepted by IUSD attain a bachelor's degree prior to enrollment. The predental collegiate training may be taken at any accredited college or university in the United States. Required courses cannot be taken on a Pass/Fail basis. Special credit for required courses may be accepted if all portions of the course work (i.e., lecture, laboratory) have been properly evaluated and appear on official transcripts. Because details of courses offered in the various accredited colleges may vary, courses must be carefully considered when a program is planned, particularly in the fields of science. All prerequisite science courses, except biochemistry and physiology, require laboratories. Extra work in the areas of biology and chemistry is strongly encouraged.

Prior to matriculation at IUSD, applicants must complete a minimum of 90 semester (or 135 quarter) hours of which no more than 60 hours may be completed at the junior college level. The following predental requirements must be met in order to qualify for admission:

Two semesters or three quarters (minimum of 8 semester hours/12 quarter hours) of each of the following:

Biology or zoology, with laboratory
Inorganic chemistry, with laboratory
General physics, with laboratory

One semester or two quarters (minimum of 4 semester hours/6 quarter hours) of each of the following:

Organic chemistry, with laboratory
Anatomy, with laboratory

Three semester hours or 4.5 quarter hours of biochemistry and physiology lecture

One semester or one quarter (minimum of two semester hours/three quarter hours) of each of the following:

Introductory psychology
English composition

Courses in cell biology, molecular biology, genetics, solid art, business administration or personal finance, histology, and medical terminology are strongly recommended but not required. Likewise, a minor in anthropology, psychology, sociology, or Spanish is strongly encouraged. All incoming dental students must be familiar with computer usage.

Bachelor's/Doctoral Combined Degree Option

Students admitted to IUSD after having completed 90 semester hours may apply credit hours earned in their first year in dentistry as electives and at the end of this year earn a bachelor's degree from their undergraduate institution. The combined degree option is offered at many undergraduate institutions across the nation. Students who are interested in this type of program should consult their predental advisor.

Advanced Standing Program Requirements

IUSD offers the Advanced Standing Program (ASP) for selected individuals who have received their dental degree from an institution outside the United States or Canada. Upon successful completion of the ASP, the candidate will receive the D.D.S. degree from IUSD. The individualized program ranges in length from one to three years.

Because admission to the ASP is limited by the dental school's available space and resources, IUSD is able to admit no more than five candidates to the ASP each year, and commonly admits only one candidate per year. Applications are accepted only between June 1 and January 1, unless the candidate is a current IUSD faculty member.

When considering candidates for the ASP, the Admissions Committee interviews and gives preference to the following:

- Current IU School of Dentistry faculty
- Current students in or recent graduates from IU School of Dentistry's advanced education programs
- Faculty from other institutions who express interest in faculty openings at IU School of Dentistry
- Other residents of the State of Indiana

Because of the limited nature of this program, nonresidents of the State of Indiana who do not fall into one of the above categories are not eligible for admission.

The following criteria are used in the selection process, and the Admissions Committee will consider only those candidates for whom all the information is available:

- Successful completion of National Board Dental Examination Parts 1 and 2
- Results from an interview with Admissions Committee members
- Evaluation of dental school transcripts
- Two letters of recommendation (one personal and one professional)
- TOEFL test of English language proficiency as required by Indiana University for applicants whose first language is not English

An individualized curriculum is designed for each candidate who is admitted to the ASP, based upon an assessment of the candidate's previous education, training, experience, and demonstrated competencies. This assessment may include the following:

- Written and practical examinations
- Examples of technique work
- Other information considered by the faculty to be useful in its deliberation

Coordinated Curriculum for Doctor of Dental Surgery and Master of Public Health Degrees

In conjunction with the IU School of Medicine Department of Public Health, IUSD offers the option of a dual D.D.S./Master of Public Health (M.P.H.) degree. To learn more about the M.P.H. degree program, visit the Department of Public Health's Web site at www.pbhealth.iupui.edu. The curriculum for the dual-degree program is described at http://www.iusd.iupui.edu/Depts/SA/DDSMPHPROGRAM.aspx.

Student learning outcomes for the M.P.H. degree are listed under the Competencies link on this Web page: http://www.pbhealth.iupui.edu/f_students/mph/welcome_kacius.html.

Combined Ph.D./D.D.S. Degree Program

IUSD offers students the option of pursuing a program that culminates in the awarding of dual doctoral degrees, the Ph.D. and D.D.S. The objective of the Combined Ph.D./D.D.S. Program is to provide a core curriculum that offers a solid scientific base for a career in research and teaching in the dental sciences.

Applicants must fulfill all prerequisite dental requirements for admittance to the D.D.S. program and apply through the Associated American Dental Schools Application Service (AADSAS).

Applicants are required to complete the General Graduate Record Examination (GRE). A minimum GRE percentile score of 600 in either the verbal or quantitative sections is required. Applicants are also required to fill out the university's online application.

The combined Ph.D./D.D.S. Program at Indiana University is eight years in length. More information about the Ph.D. program is available at http://www.iusd.iupui.edu/Depts/GE/PhDindex.aspx.

More information about the Ph.D. degree is available in this bulletin and on the dental school's website.

Tuition and Fees

Tuition fees are paid at the time of registration and are subject to change by action of the Trustees of Indiana University.

Tuition for 2009-2010 Academic Year

	Indiana Resident (Per Year)	Nonresident (Per Year)
Doctor of Dental Surgery Degree Program	$25,026.00	$55,350.00
IU Admission Application	50.00	50.00
Summer Session (includes $130 IUPUI General Fee)		
Doctor of Dental Surgery Degree Program		
—First Year	674.60	1,769.20
—Second Year	810.75	2,179.00
—Third Year	946.90	2,588.80
—Fourth Year		

Textbook, Instrument, and Ancillary Fees

Dental Students	First Year	Second Year	Third Year	Fourth Year
Textbooks	$1,650.00	$1,492.00	$610.00	—
Instrument Purchase and Rental	9,095.58	8,882.26	3,491.06	2,670.00
Computer	2,400.00	—	—	—
IUPUI General Fee	600.00	600.00	600.00	600.00
National Board Application	—	—	—	500.00

1 Advance payment of $1,000.00 is required after a student has been accepted. This advance payment is nonrefundable, but it is applicable toward tuition fees.
2 All students applying for admission to the School of Dentistry are required to pay this fee. The fee is paid only once, is nonrefundable, and is not applied to other fees. The foreign admission application fee is $60.00 (U.S. dollars in check or money order).
3 Fourth-year dental students who have not completed their graduation requirements by graduation day but wish to continue in the program are required to enroll in 12 credit hours at the current tuition rate for that year.
4 These are approximate figures and are subject to change. Students with cars will also be assessed a parking fee, and health insurance coverage is an additional fee for students who are not already covered under their own policy. Other potential fees (graduation photos, board exam applications, etc.) are contingent upon the individual plans of each student.

Curriculum

First-Year Curriculum

DENT T501 Critical Analysis of Clinical Problems (3-6 cr.) Small groups of six students and one faculty facilitator meet and read through health care–related paper cases, during which time they identify problems, propose hypotheses, explore past knowledge, identify learning issues to be researched, and subsequently discuss their findings while applying them to the case problem.

DENT T502 Critical Analysis of Clinical Problems (3-6 cr.) Small groups of six students and one faculty facilitator meet and read through health care–related paper cases, during which time they identify problems, propose hypotheses, explore past knowledge, identify learning issues to be researched, and subsequently discuss their findings while applying them to the case problem.

DENT T520 Critical Thinking and Professional Behavior: An Introduction (3.5 cr.) This course is designed to help students think critically about the nature of health care professions and the bioethical and psychosocial dimensions of the doctor-patient relationship. Problem-based, small group learning provides the fundamental means by which students learn to analyze health care problems from population, behavioral, biomedical, and ethical perspectives.

DENT T530 Molecular Cell Biology (5-10 cr.) Introduces dental students to the basic concepts of cellular and molecular biology. Course examines how cellular activity is regulated, how cells are structured, and how cells achieve homeostasis and interact with each other in multicellular systems. Structured to develop critical thinking skills as well as other knowledge acquisition.

DENT T540 Dental Sciences I, Part I (7 cr.) Introduces the student to normal morphologic and physiologic characteristics of the dento-facial complex and develops a foundation of manual skills and knowledge of dental materials to be further developed in later courses. Prerequisite for all subsequent restorative dentistry courses or modules.

DENT T541 Dental Sciences I, Part II (8-15 cr.) Builds on the skills and knowledge learned in Dental Sciences, Part I and introduces the clinical restorative dental sciences. The foundation of normal oral morphology and physiology is followed by disease processes and the restoration and maintenance of dental health. Heavy emphasis is placed on the development of dental surgical skills. Prerequisite for all clinical restorative dentistry courses.

DENT T542 Dental Sciences I, Part III (1-3 cr.) Provides student an opportunity to observe clinical dentistry and identify associated learning issues and research information to expand knowledge on learning issue(s) of choice.

DENT T551 Systems Approach to Biomedical Sciences I (8-14 cr.) Part I of a two-semester sequence which presents basic science information organized into specific organ systems. Each module is organized to discuss the development, structure, function, pathology, and therapy for each organ system. Critical thinking skills are emphasized.

DENT T561 Orofacial Biology I (5-10 cr.) Growth, development, anatomy, and histology of the human head and neck. Information is related to dental treatment procedures and to clinical cases involving the craniofacial complex.

DENT T562 Orofacial Biology II (4-6 cr.) Basic biological and physiological processes normally occurring in the human mouth. Includes various aspects of the periodontium, tooth structure, dental plaque, and the normal oral microbiota, nutrition, and approaches to the prevention of oral diseases.

Second-Year Curriculum

DENT T601 Critical Analysis of Clinical Problems (3-6 cr.) Small groups of six students and one faculty facilitator meet and read through health care-related paper cases, during which time they identify problems, propose hypotheses, explore past knowledge, identify learning issues to be researched, and subsequently discuss their findings while applying them to the case problem.

DENT T602 Critical Analysis of Clinical Problems (3-6 cr.) Small groups of six students and one faculty facilitator meet and read through health care-related paper cases, during which time they identify problems, propose hypotheses, explore past knowledge, identify learning issues to be researched, and subsequently discuss their findings while applying them to the case problem.

DENT T641 Dental Sciences II, Part I (5-15 cr.) Introduces the student to clinical disciplines including endodontics, fixed partial prosthodontics, and complete denture prosthodontics. Presents and develops foundations of manual skills and knowledge of dental materials, procedures, and techniques

to be further applied in later courses and clinics. Prerequisite for all subsequent restorative dentistry courses and modules.

DENT T642 Dental Sciences II, Part II (5-15 cr.) Builds on the skills and knowledge learned in Part I and introduces local anesthesia, oral surgery, and periodontics. Fixed partial prosthodontics and complete denture prosthodontics continue from Part I, and heavy emphasis is placed on hand-skills development. Prerequisite for all clinical restorative dentistry courses.

DENT T643 Dental Sciences II, Part III (5-15 cr.) Completes the series of Dental Sciences II. Removable partial prosthodontics, orthodontics, advanced periodontics, and introduction to clinics are added in this part. After completion, students will apply knowledge and skills learned in the series to the clinical management and appropriate treatment of patients in the clinics. Prerequisite for all clinical restorative dentistry courses.

DENT T651 Systems Approach to Biomedical Sciences II (5-10 cr.) Part II of a two-semester course which presents basic sciences information organized into specific organ systems. Each module is organized to discuss the development, structure, function, pathology, and therapy for each organ system. Critical thinking skills are emphasized throughout.

DENT T661 Oral Disease and Diagnosis I (6 cr.) First of a two-part series that continues the concepts of normal form and function of the oral and maxillofacial complex presented earlier in the curriculum. Disease processes that affect this region and their underlying pathophysiology will be discussed as well as diagnosis and prognosis. Diagnosis through imaging techniques will be emphasized.

DENT T662 Oral Disease and Diagnosis II (4-6 cr.) Second part of a series that continues the concepts of normal form and function of the oral and maxillofacial complex presented earlier in the curriculum. Disease processes and underlying pathophysiology that affect the region are discussed as well as diagnosis and prognosis. Diagnosis through history and physical examination and principles of treatment planning are emphasized.

DENT T663 Oral Disease and Diagnosis III—Clinical Pathologic Correlation (1.5 cr.) Designed to integrate the didactic pathology information from Oral Disease and Diagnosis I into the clinical setting. This will be accomplished by clinical case presentation with the student taking responsibility for pathologic description, differential diagnosis, diagnostic tests, appropriate therapy, and prognostic variables.

Third-Year Curriculum

DENT T720 Dental Sciences III, Part I (5-15 cr.) Continuation of the Dental Sciences course series. Clinically oriented lecture, seminar and group learning modules, application and integration of dental practice principles from previous courses into basic periodontal surgery, pediatric public health, and restorative dentistry topics. Prerequisite for subsequent Dental Sciences courses and modules.

DENT T730 Dental Sciences III, Part II (5-10 cr.) Continuation of the Dental Sciences course series. Clinically oriented lecture, seminar and group learning modules, application and integration of dental practice principles from previous courses into advanced dental specialty and discipline topics. Prerequisite for subsequent Dental Sciences courses and modules.

DENT T740 Clinical Sciences III, Part I (5-8 cr.) Clinical treatment of patients in a comprehensive care setting applying the knowledge and skills developed in Dental Sciences I and II.

DENT T750 Clinical Sciences III, Part II (15-20 cr.) Continuation of the Clinical Sciences course series. Students are provided clinical instruction and practice of comprehensive dental care. Clinical application and integration of the principles of basic and dental sciences through clinical patient management are emphasized.

DENT T797 Comprehensive Care Clinic 3rd Year (2 cr.) Management of the dental patient's clinical comprehensive treatment from diagnosis and treatment planning through maintenance. Student participation in rounds and a variety of clinical experiences.

DENT T798 Comprehensive Care Clinic 3rd Year (2 cr.) Management of the dental patient's clinical comprehensive treatment from diagnosis and treatment planning through maintenance. Student participation in rounds and a variety of clinical experiences.

Fourth-Year Curriculum

DENT T820 Dental Sciences IV, Part I (2-3 cr.) Continuation of the Dental Sciences course series. Lectures, seminars, and small-group learning modules apply and integrate dental jurisprudence, practice management, current dental concepts, and an extramural private practice experience.

DENT T830 Dental Sciences IV, Part II (1.5-3 cr.) Continuation of the Dental Sciences course series. Lectures, seminars, and small-group learning modules apply and integrate practice management, current dental concepts, and an extramural private practice experience.

DENT T840 Clinical Sciences IV, Part I (16-19 cr.) Clinical treatment of patients in a comprehensive care setting, applying the knowledge and skills developed in Dental Sciences I, II, and III and in Clinical Sciences III, Parts I and II.

DENT T850 Clinical Sciences IV, Part II (16-19 cr.) Clinical treatment of patients in a comprehensive care setting, applying the knowledge and skills developed in Dental Sciences I, II, III, and IV, Part I; Clinical Sciences III, Parts I and II; and Clinical Sciences IV, Part I.

Special Clinics

DENT D500 Clinical Procedures for Irregularly Enrolled Students (.5-4 cr.) Summer, fall, and spring semesters.

DENT D900 Clinical Procedures (12 cr.) Required for students who have not been certified for graduation by the last day of summer registration following the fourth year.

DENT D901 Clinical Procedures (12 cr.) Required for students who have not been certified for graduation by the last day of fall registration following the fourth year.

DENT D902 Clinical Procedures (12 cr.) Required for students who have not been certified for graduation by the last day of spring registration following the fourth year.

D.D.S. Student Learning Outcomes

The Doctor of Dental Surgery degree program is four academic years in length. The curriculum includes 106 core courses and modules that are presented over eight semesters and three summer sessions. All of the courses/modules are mandatory for awarding of the degree. The curriculum supports the attainment of the following list of competencies expected of a general dentist entering the profession.

The Doctor of Dental Surgery graduate will be prepared to:

1. assess and diagnose the child, adolescent, adult, geriatric, and special needs patient;
2. perform treatment planning and case presentations for the child, adolescent, adult, and geriatric patient;
3. communicate and collaborate with groups and individuals to promote oral and general health including strategies, resources, and interventions as appropriate for the prevention of oral disease in the community;
4. control pain and anxiety through clinical pharmacology and management of related problems;
5. prevent and manage dental and medical emergencies;
6. restore defective and/or missing teeth to appropriate form, function, and esthetics in the child patient;
7. diagnose and restore defective teeth to form, function, and esthetics in the adolescent, adult, and geriatric patient;
8. provide fixed replacement of missing teeth to restore appropriate form, function, and esthetics in the uncomplicated adolescent, adult, and geriatric patient;
9. provide restoration of uncomplicated partially edentulous patients with removable partial dentures to maintain oral function, health, comfort, and appearance;
10. provide restoration of uncomplicated edentulous patients with complete dentures to maintain oral function, health, comfort, and appearance;
11. diagnose and manage periodontal disorders;
12. prevent, diagnose, and manage pulpal and periradicular diseases;
13. diagnose and manage oral mucosal disorders;
14. collect and assess diagnostic information to plan for and perform uncomplicated oral surgical procedures;
15. recognize malocclusion in the primary, mixed, and permanent dentition and to identify from an acceptable problem list an uncomplicated case with limited developmental/acquired abnormality;
16. describe the indications, contraindications, advantages, and disadvantages of space maintainers and demonstrate the basic skills necessary in making simple orthodontics appliances and space maintainers;
17. discern and manage ethical issues and problems in dental practice;
18. understand and apply the appropriate codes, rules, laws, and regulations that govern dental practice;
19. demonstrate behavioral patient management and interpersonal skills;
20. understand the fundamental elements of managing a dental practice;
21. perform and supervise infection control procedures to prevent transmission of infectious diseases to patients, the dentist, the staff, and dental laboratory technicians;
22. critically evaluate and incorporate new dental procedures/therapies into their practices when proven scientifically efficacious;
23. recognize the role of lifelong learning and self-assessment in maintaining competency;
24. use information technology resources; and
25. detect, diagnose, assess the risk for, prevent, and manage dental caries.

Allied Dental Programs

- Dental Hygiene
- Dental Assisting

Dental Hygeine

The dental hygienist is a member of the dental health team providing educational, preventive, and therapeutic oral health services. Employment opportunities may be available in private dental practice, hospitals, public health, educational institutions, and research. Indiana University offers a program leading to an Associate of Science degree in dental hygiene and a program leading to a Bachelor of Science degree in public health dental hygiene.

Faculty

Associate of Science Degree

- Overview
- Student Learning Outcomes
- Admission
- Tuition and Fees
- Curriculum
- Course Descriptions

Bachelor of Science Degree

- Overview
- Student Learning Outcomes
- Admission
- Tuition
- Core Courses

Faculty

Director and Associate Professor

- Young

Professors

- Williamson
- Zunt

Associate Professors

- Romito-Cera
- Windsor

Clinical Associate Professors

- Cureton
- Hazelrigg
- Hughes
- Rettig
- C. Ward

Assistant Professors
- Islam
- Krushinski
- Rackley

Clinical Assistant Professors
- J. Blanchard
- Coan
- Kim
- J. Oldham
- Stump

Clinical Lecturers
- Arvin
- DeOrto
- Edlund
- Fabiani
- Hardwick
- Leach
- Maxwell
- Mishler
- Pavolotskaya
- S. Phillips
- Querry
- Reed
- Rinehart
- W. Smith
- Townsend

Associate of Science Overview
The Indianapolis-based Associate of Science degree program in dental hygiene is two academic years in length and is composed of a core curriculum of 27 courses presented over four semesters and one summer session. All courses are mandatory.

Associate of Science Admission
Required prerequisite courses may be taken at any accredited college or university if they are listed as approved courses by the Student Records and Admissions Office at the Indiana University School of Dentistry (see the section of this Web site entitled Contact Information for the address). A listing of currently approved courses can also be accessed at the following Web address: www.iusd.iupui.edu/depts/sa/preindiana.aspx. They include one semester each of English composition, chemistry with laboratory, human anatomy, human physiology, microbiology with laboratory, psychology, sociology, and public speaking, and two semester courses in arts and humanities. Remedial courses may not be used to fulfill this requirement. All applicants must maintain a minimum cumulative college grade point average of 2.0 (on a 4.0 scale) and achieve a minimum course grade of 2.0 (on a 4.0 scale) in all prerequisite courses to be considered for admission to the program. In addition, applicants must earn a 2.7 grade point average in the combined prerequisite science courses (inorganic chemistry, microbiology, human anatomy, and human physiology). Please note that if prerequisite courses are retaken for an improved grade, all course grades will be included in the computed grade point averages. Courses taken at institutions other than Indiana University must show a grade of C or above to be accepted as transfer credit by Indiana University. All prerequisite courses must be completed by the end of the spring semester of the year in which the student wishes to enter the program. Required science courses must have been completed within the past seven years. Questions about course work that does not meet these time limits should be directed to the Student Records and Admissions Office at IUSD.

All candidates applying for admission must provide documentation that they have recently completed the prescribed number of hours of observation of a practicing dental hygienist in at least two different practice settings. They must also submit a personal statement. Specific instructions for documenting observations and the personal statement are available at the dental hygiene admissions Web address (www.iusd.iupui.edu/depts/sa/DHfaq.aspx) or from the Student Records and Admissions Office. All eligible candidates will also be asked either to attend an in-house dental hygiene candidates' orientation at the IU School of Dentistry or to complete a dental hygiene candidates' online orientation prior to being considered for admission.

All applications and supporting materials are to be submitted by February 1. Applicants who have previously applied must submit a new application when reapplying. Applications to the IUSD dental hygiene program may be obtained by contacting the dental school's Student Records and Admissions Office or from the Web site. Requirements and forms for admission to the IUSD dental hygiene program are specific to this program only and are not acceptable for admission to other dental hygiene programs in the state. Applications for admission to any other Indiana dental hygiene program must be directed to those programs and follow their prescribed procedures. (See the section of this Web site entitled Contact Information for a list of dental hygiene programs offered on other campuses.) All potential applicants are advised to consult the School of Dentistry's Student Records and Admissions Office or Web site for updates or changes in dental hygiene admissions policies that may occur after publication of this document.

Class size is limited, and there are more qualified applicants than can be accepted each year. Applicants are encouraged to consult with the Student Records and Admissions Office or the program director for pre–dental hygiene counseling. Selections are made on an individual basis, upon appraisal of the applicant's established record and potential for development.

Potential applicants are advised to review the list of minimum skill standards for admission and retention in the dental hygiene profession. This document is provided on the Web site and from the school's Student Records and Admissions Office. In addition to these standards, it is necessary that students enrolled in the dental hygiene program enter with basic computer literacy sufficient to allow them to participate in instruction involving computer-based course work, Internet searching, basic word processing, and e-mail applications.

Associate of Science Tuition and Fees
Tuition and fees are paid at the time of registration and are subject to change by action of the Trustees of Indiana University.

All students applying for admission to the School of Dentistry are required to pay an Application Fee of $50.00 (foreign

admission application is $60.00 in U.S. dollars [check or money order]). This fee is paid only once, is nonrefundable, and is not applied to other fees.

Tuition for 2009-2010 Academic Year

	Indiana Resident(Per Year)	Nonresident (Per Year)
First Year	6,461.28	20,365.24
Summer Session	1,846.08	5,818.64
Second Year	5,538.24	17,455.92
Textbook, Instrument, and Ancillary Fees[1]		
	First Year	Second Year
Textbooks/Instructional Media	1,150.00	400.00
Instrument Purchase and Rental	1,183.50	699.52
Laptop Computer	1,500.00	
Uniforms	150.00	
Student American Dental Hygienists' Association Dues	45.00	45.00
National Board Application		265.00
IUPUI General Fee	600.00	600.00

1 These are approximate figures and are subject to change. Students with cars will also be assessed a parking fee, and health insurance coverage is an additional fee for students who are not already covered under their own policy. Other potential fees (graduation photos, state or regional board exam applications, etc.) are contingent upon the individual plans of each student.

Associate of Science Curriculum

Predental Hygiene

These courses must be taken before the student enrolls in the School of Dentistry's two-year Associate of Science degree program. See Associate of Science Admission.

One semester each:

- English Composition
- Sociology
- Chemistry with Laboratory
- Human Anatomy
- Public Speaking
- Psychology
- Human Physiology
- Microbiology with Laboratory

Two semesters:

- Arts and Humanities

First Year

First Semester

- H204 Periodontics
- H206 General Pathology I
- H211 Head and Neck Anatomy
- H214 Oral Anatomy
- H216 Chemistry and Nutrition
- H218 Fundamentals of Dental Hygiene
- H303 Radiology

Second Semester

- H205 Medical and Dental Emergencies
- H207 General Pathology II
- H215 Pharmacology and Therapeutics
- H217 Preventive Dentistry
- H219 Clinical Practice I
- H308 Dental Materials
- H321 Peridontics

Summer Session

- H221 Clinical Dental Hygiene Procedures
- H250 Local Anesthesia and Pain Control
- H252 Introduction to Evidence-Based Dental Hygiene Care
- H305 Radiology Clinic I

Second Year

First Semester

- H301 Clinical Practice II
- H304 Oral Pathology
- H306 Radiology Clinic II
- H311 Dental Health Education
- H347 Community Dental Health (introduction)
- E351 Advanced Dental Materials for Dental Auxiliaries

Second Semester

- H302 Clinical Practice III
- H307 Radiology Clinic III
- H344 Senior Hygiene Seminar
- H347 Community Dental Health (practicum)

Associate of Science Course Descriptions

DHYG H204 Periodontics (1 cr.) Study of the normal periodontium at the clinical, histologic, and biochemical levels; procedures involved in carrying out a comprehensive periodontal examination and performing a periodontal prophylaxis.

DHYG H205 Medical and Dental Emergencies (1 cr.) A study in emergency situations in the dental office, including predisposing factors and drugs, and treatment to include the support of the cardiopulmonary system.

DHYG H206 General Pathology I (1 cr.) Mechanisms of disease at the cellular, organ, and systemic levels with special references to specific disease processes; includes general concepts, terminology, and pathology of organ systems.

DHYG H207 General Pathology II (1 cr.) Mechanisms of disease at the cellular, organ, and systemic levels with

special references to specific disease processes; includes general concepts, terminology, and pathology of organ systems.

DHYG–H 211 Head and Neck Anatomy (2 cr.) A detailed study of the anatomy of the head and neck. Some attention is given to oral embryology and the growth of tooth structure.

DHYG H214 Oral Anatomy (3 cr.) A study of the morphology, structure, and function of deciduous and permanent teeth and surrounding tissues, also including osteology of the maxilla and mandible, nerve and vascular supply of teeth, and muscles of mastication, with reinforcing laboratory procedures and clinical application.

DHYG H215 Pharmacology and Therapeutics: First Year (2 cr.) Actions and uses of drugs and theory of anesthetics; emphasis on drugs used in dentistry.

DHYG H216 Chemistry and Nutrition: First Year (3 cr.) Specific ideas in chemistry are correlated with working principles in dentistry—previous knowledge of chemistry assumed.

DHYG H217 Preventive Dentistry: Second Year (1 cr.) Detection and prevention of dental disease; included is a study of dental surveys, dental indices, and fluoride therapy.

DHYG H218 Fundamentals of Dental Hygiene: First Year (4 cr.) An introduction to the dental and dental hygiene profession, including the basic didactic and laboratory/clinic practice for the performance of dental hygiene services.

DHYG H219 Clinical Practice I (4 cr.) Performance of dental hygiene services in various clinical settings. Included is didactic instruction and application of dental hygiene procedures for providing patient care and an introduction to oral diagnosis.

DHYG H221 Clinical Dental Hygiene Procedures (1-3 cr.) Clinical assignment for instruction and experience in performing dental hygiene services.

DHYG–H 250 Local Anesthesia and Pain Control (2 cr.) This course addresses coverage of pain and anxiety management for conscious dental clients. The indications, contraindications, and pharmacology of topical anesthesia, local anesthesia, and nitrous oxide and oxygen sedation used in dentistry will be discussed. Local anesthesia techniques and the administration of nitrous oxide and oxygen sedation will be studied.

DHYG H252 Introduction to Evidence-Based Dental Hygiene Care (1 cr.) This course will provide foundational knowledge for the dental hygiene student to implement evidence-based decision-making strategies in the provision of patient/client care. It includes basic knowledge and skills related to research terminology, library and computer-based information retrieval systems, approaches to reviewing and evaluating scientific literature, and dental indices used in the description of oral health and disease.

DHYG H301 Clinical Practice II (5 cr.) Continued performance of dental hygiene services in various clinical settings. Included are didactic instruction and clinical application of dental hygiene services for providing patient care.

DHYG H302 Clinical Practice III (5 cr.) Continued performance of dental hygiene services in various clinical settings. Included are didactic instruction and clinical application of dental hygiene services for providing patient care.

DHYG H303 Radiology (1 cr.) Principles of radiation production, placement of intraoral film, proper exposure and processing of film, radiation safety, and interpretation of radiographs.

DHYG H304 Oral Pathology: Second Year (2 cr.) Developmental abnormalities and acquired disorders of teeth and surrounding structure.

DHYG H305 Radiology Clinic I (1 cr.) Clinical application of intraoral and extraoral radiographs.

DHYG H306 Radiology Clinic II (1 cr.) Clinical application of intraoral and extraoral radiographs.

DHYG H307 Radiology Clinic III (1 cr.) Clinical application of intraoral and extraoral radiographs.

DHYG H308 Dental Materials: First Year (2 cr.) Composition and physical and chemical properties of materials used in dentistry.

DHYG H311 Dental Health Education (3 cr.) An introduction to basic communication and motivation skills, instructional objectives, learning theory, evaluation of educational materials, and special needs patients.

DHYG H321 Periodontics (1-2 cr.) A study of periodontal disease, including the anatomy, classification, etiology, treatment, and relationship to systemic conditions.

DHYG H344 Senior Hygiene Seminar (2 cr.) Ethics, jurisprudence, and practice management concepts, including a study of state practice acts, dental hygiene employment opportunities, recall systems, and current trends in the dental hygiene profession.

DHYG H347 Community Dental Health (4 cr.) Principles and practice of program planning, implementation, and evaluation for community and school dental health programs.

DHYG–E 351 Advanced Dental Materials for Dental Auxiliaries (2 cr.) Lecture and laboratory course designed to teach additional concepts of dental materials and their use in intraoral techniques. Included is instruction in dental auxiliary utilization principles and the manipulation of dental materials used in delegated intraoral functions.

Bachelor of Science Overview

The Bachelor of Science degree-completion program in public health dental hygiene provides an opportunity for graduate dental hygienists to develop further expertise in public health methods or dental hygiene education and includes application of practical experience. It is designed to meet the needs of part-time students who wish to work while completing their bachelor's degree. It prepares hygienists for leadership roles in education, public health, commercial ventures, professional associations, and/or health advocacy. It can enhance career opportunities available to dental hygienists in a variety of areas, including but not limited to state and county health departments, academia, sales and marketing, educational software

development, pharmaceuticals, dental education consulting, dental insurance companies, research, and clinical dental hygiene. Program activities promote development of professional leadership skills and prepare hygienists for entry into graduate programs.

Bachelor of Science Admission

Prerequisites to the public health dental hygiene program include completion of 90 undergraduate semester hours, graduation from an accredited dental hygiene program, satisfactory completion of the National Board Dental Hygiene Examination, and current licensure as a dental hygienist. Accepted students are expected to have basic computer literacy sufficient to participate in Web-based instruction, computer word processing, and e-mail communication. An application to the program may be obtained by addressing communications to Director, Dental Hygiene Program, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, IN 46202-5186. Applications may be received at any time during the academic year, but the completed application must be submitted to the program director at least 60 days prior to the first semester in which the applicant wishes to enroll. Completion of all application requirements and an interview with the program director or admissions committee is required before acceptance into the program can be considered. Upon acceptance, each student must complete a curriculum plan to be approved by the program director before enrollment in required courses.

Students in the public health dental hygiene program must complete a total of 32 semester hours of course work, including the following courses that comprise the required core curriculum. In addition to the core courses, students must complete approved elective courses in a selected focus area (e.g., behavioral sciences, education, or basic sciences) to fulfill the 32 semester hour completion requirement of the bachelor's degree.

Bachelor of Science Tuition

Tuition is paid at the time of registration and is subject to change by action of the Trustees of Indiana University.

All students applying for admission to the School of Dentistry are required to pay an Application Fee of $50.00 (foreign admission application is $60.00 in U.S. dollars [check or money order]). This fee is paid only once, is nonrefundable, and is not applied to other fees.

Tuition for 2010-2011 Academic Year

	Indiana Resident (Per Year)	Nonresident (Per Year)
Bachelor's Degree in Public Health Dental Hygiene	230.76 per credit hour	727.33 per credit hour

Bachelor of Science Core Courses

Consult the dental hygiene program Web site for the most current information on the dental hygiene bachelor's degree program at http://www.iusd.iupui.edu/Depts/DH/default.aspx or contact the IUSD dental hygiene program director.

Statistics: Recommended courses include STAT 301 Elementary Statistical Methods (3 cr.) or PSY B 305 Statistics (3 cr.).

STAT 301 Elementary Statistical Methods (3 cr.) P: Must enroll in lab. A basic introductory statistics course with applications shown to various fields and emphasis placed on assumptions, applicability, and interpretations of various statistical techniques. Subject matter includes frequency distribution, descriptive statistics, elementary probability, normal distribution, applications, sampling distribution, estimation, hypothesis testing, and linear regression.

PSY B305 Statistics (3 cr.) P: PSY B104 Psychology as a Social Science or PSY B105 Psychology as a Biological Science and 3 credits of math that carry School of Science credit. Introduction to basic statistical concepts; descriptive statistics and inferential statistics.

DHYG H402 Practicum in Dental Hygiene Education (4 cr.) P: H403, Z477. Structured practical experience in planning, supervising, coordinating, and evaluating instruction in an educational setting. Emphasis on faculty roles and responsibilities.

DHYG H403 Advanced Community Dental Hygiene (4 cr.) Public health principles including a study of the health care delivery system and preventive public health care at the community level.

DHYG H405 Advanced Dental Science (3 cr.) Review of current literature related to periodontics, oral pathology, preventive dentistry, and the current practices of dental hygiene.

DHYG H406 Educational Methodology in Health Sciences (1-3 cr.) The purpose of this course is to assist potential educators in the health sciences to understand current theories, concepts, and methodologies in professional health science education. Students will learn to apply effective educational strategies to match learners' needs in didactic, laboratory, and clinical settings. This course will use a variety of delivery systems, including an online component.

DHYG H407 Instructional Media and Technology in Health Science Education (1-3 cr.) The purpose of this course is to examine the utilization of a variety of instructional technologies that can be used in educational settings for patients, students, and practitioners. Various technologies will be analyzed for appropriateness of use, strengths, and weaknesses. A variety of delivery mechanisms will be used, including an online component.

Bachelor of Science Student Learning Outcomes

The program's objectives are designed to provide students with the education and skills to:

1. perform dental hygiene services in a variety of settings (e.g., private dental practice, public health clinics, school systems, institutions, and hospitals);
2. design, implement, and evaluate effective preventive dental health programs for individuals and for groups in such settings as schools, hospitals, institutions, and community programs;

3. serve as a resource person and work in cooperation with other health personnel in assessing health care needs and providing health care services to the public;
4. plan, implement, and evaluate effective teaching methodologies in an educational setting;
5. supervise the teaching of dental hygiene services in a clinical/public health setting;
6. prepare for admission to graduate programs; and
7. continue their professional education and personal growth.

Associate of Science Student Learning Outcomes

The curriculum supports attainment of the following list of competencies expected of a dental hygienist entering the profession. The graduate will be prepared to:

1. apply a professional code of ethics in all endeavors;
2. adhere to state and federal laws, recommendations, regulations, and safety practices in the provision of dental hygiene care;
3. provide dental hygiene care to promote patient/client health and wellness using critical thinking and problem solving in the provision of evidence-based practice;
4. assume responsibility for dental hygiene actions and care based on accepted scientific theories and research as well as the accepted standard of care;
5. continuously perform self-assessment for lifelong learning and professional growth;
6. advance the profession through service activities and affiliations with professional organizations;
7. provide quality assurance mechanisms for health services;
8. communicate effectively with individuals and groups from diverse populations both orally and in writing;
9. provide accurate, consistent, and complete documentation for assessment, diagnosis, planning, implementation, and evaluation of dental hygiene services;
10. provide care to all clients using an individualized approach that is humane, empathetic, and caring;
11. provide planned educational services using appropriate interpersonal communication skills and educational strategies to promote optimal oral health;
12. initiate and assume responsibility for health promotion, health education, and disease prevention activities for diverse populations;
13. systematically collect, analyze, and record data on the general, oral, and psychosocial health status of a variety of patients/clients using methods consistent with medico-legal principles;
14. use critical decision-making skills to reach conclusions about the patients'/clients' dental hygiene needs based on all available assessment data;
15. collaborate with the patient/client and/or other health professionals to formulate a comprehensive dental hygiene care plan that is patient/client-centered and based on current scientific evidence;
16. provide specialized treatment that includes preventive and therapeutic services designed to achieve and maintain oral health; and
17. evaluate the effectiveness of the implemented clinical, preventive, and educational services and modify as needed.

Dental Assisting

- Overview
- Faculty
- Student Learning Outcomes
- Admission (Campus Program)
- Admission (Distance Learning Program)
- Tuition and Fees
- Curriculum
- Course Descriptions

Admission (Campus Program)

1. Applying to the dental assisting program on the Indianapolis campus is a two-step process involving both the IUPUI Office of Admissions and the IU School of Dentistry Division of Dental Assisting. Applicants must first file an admission application with the IUPUI Office of Admissions and be admitted to the university as an undergraduate student. Qualified applicants will be notified of their university admittance by IUPUI. The IUPUI Office of Admissions' application packet will also contain an application for admission to the dental school's dental assisting program. Applicants will submit this application to the Division of Dental Assisting. All of the application materials are available through the IUPUI Enrollment Center (www.enroll.iupui.edu; 317-274-4591).
2. Applications must include official transcripts from all high schools and all postsecondary schools attended, including colleges, universities, and vocational institutions. The transcripts of applicants who are currently enrolled in their senior year of high school should include grades from fall semester. Graduates of GED programs must submit a copy of their GED certificate and scores. Official transcripts showing all academic work completed must be submitted before final acceptance in the dental assisting program.
3. Applicants must have an overall minimum cumulative grade point average of 2.0 (on a 4.0 scale) as well as a minimum of 2.0 in science and English courses taken in high school and college.
4. Applicants must observe a chairside dental assistant in a dental office for a minimum of eight hours. The IUSD Dental Assisting Verification of Dental Office Observation Form is to be signed by the dentist and submitted to the dental assisting program by the application deadline.
5. Individuals for whom English is a secondary language must demonstrate proficiency in English before being admitted to IUPUI. Several testing options are available. For more information, see the Undergraduate English Language Requirements on the IUPUI Office of International Affairs Web site (http://iapply.iupui.edu/apply/undergrad/english.html). Test results will be used as part of the dental assisting admissions review, and the dental assisting admissions committee may also require an interview or writing exercise to determine the applicant's English skills.

The application deadline for the campus program is 5 p.m. on June 1 prior to the fall semester the applicant wishes to enter the program. Applicants should send the completed application (photo optional), observation form, and all official transcripts to the Dental Assisting Program, Indiana University School of Dentistry, 1121 W. Michigan Street, DS 430, Indianapolis, IN 46202-5186. Incomplete applications will not be considered.

All potential applicants are advised to consult the School of Dentistry's Dental Assisting Program Web site for updates or changes in dental assisting admissions policies that may occur after publication of this document.

Curriculum

- A110 Oral Histology and Embryology
- A111 Oral Pathology, Physiology, and Anatomy I
- A112 Dental Therapeutics and Medical Emergencies
- A113 Oral Pathology, Physiology, and Anatomy II
- A114 Oral Anatomy
- A121 Microbiology and Asepsis Technique
- A131 Dental Materials I
- A132 Dental Materials II
- A141 Preventive Dentistry and Nutrition
- A151 Radiology Clinic I
- A152 Radiology Clinic II
- A162 Written and Oral Communication
- A171 Clinical Science I
- A172 Clinical Science II
- A182 Practice Management, Ethics, and Jurisprudence

Electives

- A190 Expanded Restorative Dentistry (3 cr.)
- A300 Special Topics in Dental Education (1 cr.)

Overview

Indiana University's Indianapolis-based dental assisting program is one year in length (two semesters) and is composed of 15 mandatory courses encompassing approximately 1,000 hours of lecture, laboratory, and clinical instruction. Students who successfully complete the program receive a certificate and are eligible to take the Dental Assisting National Board Examination.

Applicants may now choose between two types of programs to earn a certificate in dental assisting: a traditional full-time on-campus program in which students receive all of their training at the School of Dentistry, or a full-time distance-learning program in which students complete most of their nonclinical courses online while receiving clinical experience in community dental offices.

Both the campus and distance-learning dental assisting certificate programs prepare the graduate to:

1. master and apply knowledge of the basic, behavioral, and dental sciences in assessing and performing dental assisting procedures;
2. communicate effectively with other health care professionals in coordinating and providing care under the direction and supervision of the dentist;
3. apply problem-solving and decision-making skills when assisting with dental health services under the direction and supervision of the dentist;
4. be aware of and responsive to changes in the dental health care delivery system;
5. acquire knowledge and skills to promote and participate in preventive dental care and support oral health through promotion of total health; and

Distance Learning Program

The IU School of Dentistry distance-learning dental assisting program was established in 2007 as an alternative to the campus program to help make a dental assisting education more accessible to candidates who are not conveniently located near campus or who are trying to obtain a college education while managing full-time work and/or family responsibilities.

This program is the first to be offered in Indiana and one of only a very few in the United States. Like all of the School of Dentistry's other programs, it is fully accredited by the American Dental Association Commission on Dental Accreditation. Enrollment is currently limited to 12 students per year.

The program uses Indiana University's online course management system to teach nonclinical subjects, and students may access the courses at a time that is convenient to them. Students should anticipate devoting about two hours a day to their online studies, which will include reading, writing, and video assignments.

Students must also spend one Saturday a month throughout the school year on site at the dental school to complete laboratory assignments and take examinations.

Clinical training is provided primarily in the second semester by a sponsoring general dentist of the student's choice. Students will receive a minimum of 300 clock hours of clinical practice.

Tuition and Fees

Tuition and fees are paid at the time of registration and are subject to change by action of the Trustees of Indiana University.

All students applying for admission to the School of Dentistry are required to pay an Application Fee of $50.00 (foreign admission application is $60.00 in U.S. dollars [check or money order]). This fee is paid only once, is nonrefundable, and is not applied to other fees.

Tuition for 2009-2010 Academic Year

	Indiana Resident (Per Year)	Nonresident (Per Year)
Dental Assisting Certificate Program	7,153.56	22,547.23

Textbook, Instrument, and Ancillary Fees [1]

Textbooks	715.00
Instrument Purchase and Rental	405.07
Uniforms	150.00
IUPUI General Fee	600.00
National Board Application	475.00

1 These are approximate figures and are subject to change. Students with cars will also be assessed a parking fee, and health insurance coverage is an additional fee for students who are not already covered under their own policy. Other potential fees (graduation photos, state or regional board exam applications, etc.) are contigent upon the individual plans of each student.

Admission (Distance Learning Program)

Applicants should follow admission requirements 1 through 5 for the campus program as well as requirements 6 through 8 listed below:

6 Applicants must identify a sponsoring general practice dentist holding an active Indiana dental license who can provide clinical training in the field of general dentistry.

6 Applicants must meet the university's technology requirements:

- Office XP Software
- Internet access at Explorer IE6 or Higher DSL or cable modem access is required)

6 Applicants must be able to travel to the Indiana University School of Dentistry when necessary (typically, one Saturday a month throughout the school year).

The application deadline for the distance-learning program is 5 p.m. on June 1 prior to the fall semester the applicant wishes to enter the program. Applicants should send the completed application (photo optional), observation form, and all official transcripts to the Dental Assisting Program, Indiana University School of Dentistry, 1121 W. Michigan Street, DS 430, Indianapolis, IN 46202-5186. Incomplete applications will not be considered.

All potential applicants are advised to consult the School of Dentistry's Dental Assisting Program Web site for updates or changes in dental assisting admissions policies that may occur after publication of this document.

Faculty

Director of Campus Program and Clinical Assistant Professor

- Ford

Director of Distance-Learning Program and Clinical Associate Professor

- Capps

Professor

- Williamson

Clinical Associate Professor

- Rettig

Assistant Professors

- Krushinski
- Zitterbart

Clinical Assistant Professors

- Moeller
- J. Oldham
- Stump

Clinical Lecturers

- Alderson
- Bissonette

Research Laboratory Manager

- Palenik

Course Descriptions

DAST A110 Oral Histology and Embryology (1 cr.) Development, structure, and function of cells and tissues of the teeth and periodontium; embryologic development of the face, palate, and teeth.

DAST A111 Oral Pathology, Physiology, Anatomy I (2 cr.) A111 is an overview of the structures, functions, and selected diseases of the human body, including basic cells, tissues, organs, and organ systems.

DAST A112 Dental Therapeutics and Medical Emergencies (2 cr.) This course will present the pharmacology of medications that are commonly used by the physician and dentist and the diseases and indications for which these drugs are prescribed. Also, the class will review the systemic diseases and adverse reactions to dental treatment that can result in a medical emergency in the dental office and the armamentarium, medications, and procedures for treating these emergencies.

DAST A113 Oral Pathology, Physiology, Anatomy II (1 cr.) A113 is an introduction to diseases of the oral cavity and its related structures.

DAST A114 Oral Anatomy (3 cr.) A study of the morphology, structure, and function of deciduous and permanent teeth and surrounding tissues, also including osteology of the maxilla and mandible, nerve and vascular supply of teeth, and muscles of mastication, with reinforcing laboratory procedures and clinical application.

DAST A121 Microbiology and Asepsis Technique (1 cr.) A study of microbial types, oral microbiology, bloodborne diseases, and infection control including procedures of instrument cleaning and sterilization, surface disinfection, use of protective barriers, waste management, and hazardous materials management.

DAST A131 Dental Materials I (2 cr.) Lecture and laboratory courses designed to familiarize the student with the basic mechanical, physical, and chemical properties of dental materials. The role of the assistant in selection, manipulation, and biological considerations of dental materials is stressed.

DAST A132 Dental Materials II (2 cr.) Lecture and laboratory courses designed to familiarize the student with the basic mechanical, physical, and chemical properties of dental materials. The role of the assistant in selection, manipulation, and biological considerations of dental materials is stressed.

DAST A141 Preventive Dentistry and Nutrition (2 cr.) Etiology of prevalent oral diseases and their preventions with particular emphasis on plaque, plaque control, and fluorides. The effects of major nutrients on the physiologic body processes; applied nutrition in dental caries and periodontal disease. Clinical and laboratory experiences.

DAST A151 Radiology Clinic I (2 cr.) The principles of radiation production, theories and techniques of radiographic imaging, film processing and mounting, radiation safety, and radiographic interpretation are studied in this didactic and preclinical course.

DAST A152 Radiology Clinic II (1 cr.) Clinical experience in the placing, exposing, processing, evaluating, and mounting of intraoral and extraoral dental radiographs. Practical application of radiation safety measures is required in the clinical setting.

DAST A162 Written and Oral Communication (2 cr.) Instruction and practice in gathering and organizing material for written and oral presentation. Individual and group projects in communication, including table clinics, posters, professional articles for publication, telephone techniques, and resumes.

DAST A171 Clinical Science I (4 cr.) A core course in dental nomenclature; the role of the assistant as a member of dental health team in general dentistry and dental specialties to include charting the mouth, identification and utilization of instruments and equipment, principles of dental procedures, instrument transfer, isolation techniques, and asepsis procedures.

DAST A172 Clinical Science II (4 cr.) Clinical chairside experience, including an extramural assignment; allows for refining of student skills. A seminar provides students opportunities to share experiences.

DAST A182 Practice Management, Ethics, and Jurisprudence (2 cr.) A course designed to emphasize the role of the dental assistant in the management of a dental office through reception procedures, appointment control, record keeping, purchasing, third-party reimbursement, financial systems, and inventory control. Also, the legal and ethical aspects of dentistry are discussed.

DAST A190 Expanded Restorative Dentistry (3 cr.) Lecture, laboratory, and clinical course designed to teach more extensively certain concepts of dental materials and their use in intraoral techniques. The principles of dental auxiliary utilization and the manipulation and placement of dental materials used in delegated intraoral functions are taught.

DAST A300 Special Topics in Dental Education (1 cr.) P: Chairperson's permission and admission to dental assisting, dental hygiene, or dental laboratory technology program. An advanced course for dental education majors. Supervised reading or projects on approved topics in dentistry. Hours, subject matter, and evaluation to be determined by faculty.

Student Learning Outcomes

Dental Assisting Program Goals and Outcomes Assessments

The certificate program in dental assisting will provide a quality education to prepare the student to:

1. be proficient in applying knowledge of the basic behavioral and dental sciences to clinical practice in assessing and performing dental assisting procedures.
2. communicate effectively with other health care professionals in coordinating and providing patient care including the use of technology and practice management techniques.
3. apply problem solving and decision making skills when assisting with dental health services under the direction and supervision of the dentist.
4. conduct themselves with the highest levels of professionalism, ethics, and personal integrity to the practice of compassionate, patient centered dentistry.
5. internalize the importance of lifelong learning and understand the importance of remaining current as the dental health care delivery system changes.
6. acquire knowledge and skills to promote and participate in preventive dental care and support oral health through promotion of total health.
7. be knowledgeable of and comply with state and federal laws governing the practice of dentistry and dental assisting.
8. achieve success on all national exams, certifications, and licensures.
9. participate in leadership opportunities, professional organizations, and service to the community.

Graduate Programs

All of the School of Dentistry's graduate degree and certificate programs are fully accredited. Programs begin during the first week of July, except for the M.S. and Ph.D. programs, which begin in August with the fall semester.

The Master of Science in Dentistry (M.S.D.) program is intended primarily for students who have received the doctorate in dentistry and who wish to go on to obtain an adequate background in one of the various disciplines of dentistry or of the allied basic sciences in order to broaden their dental background or to complete the academic requirements for specialty boards. Under special circumstances, the M.S.D. may be conferred upon outstanding individuals not holding the D.D.S. (or equivalent degree) who have demonstrated ability in dental research and education and who give good evidence of continuing in these fields.

Students may register in IU's University Graduate School and work toward the M.S. degree in dental materials or preventive dentistry or the Ph.D. degree in dental science. (See the following section titled Fields of Study.)

In general, students who wish to practice or teach a clinical subject are encouraged to work toward the M.S.D., while those more interested in the basic science courses would be advised to complete the requirements for the M.S. degree. The Ph.D. program in dental science is designed specifically for individuals who want to pursue a career in dental research and/or education.

Faculty

Dean and Professor

- Goldblatt

Executive Associate Dean, Associate Dean for Academic Affairs and Professor

- Dean

Associate Dean for Graduate Education and Professor

- M. Kowolik

Associate Deans and Professors
- Garetto
- D. Zero

Distinguished Professor Emeritus
- Stookey

Professors Emeriti
- Andres
- Arens
- Avery
- Christen
- Cochran
- Hancock
- Harris
- Henderson
- Hohlt
- Kafrawy
- Kasle
- M. R. Lund
- J. McDonald
- R. McDonald
- C. Miller
- Moore
- Newell
- Olson
- Oshida
- Roberts
- Shanks
- Swartz
- Tomich

Professors
- Baldwin
- Bennett
- D. Brown
- Browning
- Carlson
- DeSchepper
- Gregory
- Haug
- J. Jones
- K. Kula
- Matis
- Maupomé-Carvantes
- Parks
- Sanders
- Van Dis
- Williamson
- K. Yoder
- D. Zero
- Zunt

Clinical Professors
- Newton
- Spolnik

Volunteer Professors
- C. Brown
- Gillette

Associate Professor Emerita
- Hovijitra

Associate Professors
- Babler
- S. Blanchard
- Chin
- Chu
- Ferreira Zandoná
- Galli
- Guba
- Jackson
- John
- Katona
- J. Kowolik
- Martínez-Mier
- J. A. Platt
- Romito-Cera
- Schaaf
- Srinivasan
- Weddell
- G. Willis
- Windsor

Clinical Associate Professors
- Legan
- Paez de Mendoza
- Papadopoulos
- Steffel

Assistant Professors
- Agarwal
- Ando
- Bruzzaniti
- Gregson
- Hara
- Islam
- Krushinski
- Liu
- Rackley
- Song
- Soto
- K. Stewart
- Taskonak
- Zitterbart

Clinical Assistant Professors
- Barbosa
- Isikbay
- Kim
- Levon
- Schmitt
- Vail

Volunteer Assistant Professor
- Barco

Advisory Faculty Professor Emeritus
- Swenson

Lecturer
- Switalski

Fields of Study

In addition to the general requirements for the degree program as described in the following pages, the various departments may specify additional didactic or clinical requirements in order for students to qualify for a major or minor in that field. Details regarding specific course requirements for individual graduate (degree) and postgraduate (certificate) programs are available from the School of Dentistry. Contact the Office of Graduate Education (for the M.S., M.S.D., and Ph.D. programs) and the Department of Oral Surgery and Hospital Dentistry for the general practice residency and the oral and maxillofacial surgery residency (see Contact Information).

- Dental Materials
- Dental Science
- Endodontics
- General Practice Residency (GPR)
- Operative Dentistry
- Oral and Maxillofacial Surgery
- Orthodontics
- Pediatric Dentistry
- Periodontics
- Preventive Dentistry
- Prosthodontics

Dental Materials

Available as an M.S. or M.S.D. degree program or as a track offered in the Ph.D. in Dental Science degree program. Minor concentration: operative dentistry or prosthodontics (for M.S.D. degree); chemistry, material science engineering, or mechanical engineering (for M.S. degree). For details about the Ph.D. dental biomaterials track, see the Dental Biomaterials Track Core Curriculum section of this bulletin.

Core Competencies

Graduates of the two-year postdoctoral program in dental materials will achieve core competencies in Materials Knowledge, Critical Thinking, and Effective Communication.

Materials Knowledge

The graduate will be prepared to:

1 Describe major classes of dental biomaterials used in clinical dentistry;
1 Explain the differences in the chemical nature of the major classes of materials;
1 Recognize the effects of chemical nature on the mechanical behavior of materials; and
1 Describe the relationship between material characteristics and clinical performance of dental biomaterials.

Critical Thinking

The graduate will be prepared to:

1 Identify the physical and chemical principles of major material testing methods;
1 Select and justify appropriate testing methods for major classes of dental biomaterials; and
1 Formulate hypotheses and design the necessary experiments for a given material evaluation scenario.

Effective Communication

The graduate will be prepared to:

1 Present research methods and results correctly in oral and written reports;
1 Provide evidence-based arguments on research findings in oral and written reports; and
1 Provide suggestions on dental biomaterial selection based on current dental literature.

Dental Science

Ph.D. degree program offering tracks in preventive dentistry, oral biology, and dental biomaterials. For details about the Ph.D. degree, see the Doctor of Philosophy (Ph.D.) Degree in Dental Science section of this bulletin.

Core Competencies

The graduate of the Ph.D. program in dental science will be prepared to:

1 demonstrate an in-depth understanding of the biology of the oral cavity;
1 demonstrate the principles/mechanisms pertinent to human physiology and disease;
1 demonstrate competency in performing complex scientific literature searches;
1 write a detailed grant proposal;
1 express scientific material, including original research data, in both oral and written form;
1 demonstrate skills in critical thinking; and
1 plan and undertake independent research.

Endodontics

M.S.D. degree program. Minor concentration: oral pathology.

Core Competencies

The advanced specialty education program in endodontics is accredited by the American Dental Association (ADA) Commission on Dental Accreditation. Indiana University School of Dentistry's learning outcomes for the master's degree in endodontics are fully supportive of the outcomes required by the ADA. IU's program follows academic and clinical standards determined by the commission to ensure the quality and continuous improvement of dental and dentally related education, and to reflect the evolving practice of dentistry. Full details are published in the ADA's Standards for Dental Education Programs under Advanced Specialty Education Programs, Endodontics Standard 4: Curriculum and Program Duration (http://www.ada.org/115.aspx#general).

General Practice Residency (GPR)

One-year hospital-based postgraduate residency leading to a certificate. Residents provide services at two hospital-based clinics as well as a community health center. Rotations in oral and maxillofacial surgery, general anesthesia, family practice medicine, the Indiana University Cancer Center, and the Orofacial Pain Clinic. There are no tuition fees. For application forms, admission requirements, and other information about the GPR program, contact the School of Dentistry's Department of Oral Surgery and Hospital Dentistry (see Contact Information).

Core Competencies

The graduate of the general practice residency program will be prepared to:

1 function as a patient's primary care provider, treating or managing all aspects of oral health care using advanced dental treatment modalities as well as understanding the oral health needs of the community by engaging in community service and directing health promotion and disease prevention activities;
1 enhance and expand knowledge and skills in multidisciplinary comprehensive and emergency dental care, therefore providing a greater confidence in all phases of professional life;
1 plan and provide multidisciplinary oral health care for a wide variety of patients including patients with special needs and while utilizing the values of professional ethics, lifelong learning, patient-centered care, adaptability, and acceptance of cultural diversity in professional practice.
1 interact with other health care professionals in the hospitals, outpatient clinics, community health center environments, and within interdisciplinary health care teams, in order to facilitate the patients' total health care; and
1 participate in critical-thinking analysis, evidenced-based care, and technology-based information retrieval systems and apply this knowledge in treatment decisions and continuous quality improvement.

Operative Dentistry

M.S.D. degree program. Minor concentration: dental materials or preventive dentistry.

Core Competencies

Graduates of the two-year postdoctoral program in operative dentistry will be prepared to:

1 manage caries risk patients based on Caries Management by Risk Assessment (CAMBRA);
1 discuss current direct and indirect dental restorative materials (gold, dental amalgam, ceramics, glass ionomer cement, and resin-matrix composite) including associated setting reactions, physical properties, and indications and contraindications for their clinical use;
1 demonstrate clinical proficiency when performing routine and advanced restorative procedures;
1 demonstrate a broad knowledge base of dental restorative materials and procedures;
1 demonstrate knowledge of current restorative dentistry scientific literature;
1 develop and present evidence-based restorative dentistry lectures; and
1 develop a research protocol and perform controlled dental research.

Oral and Maxillofacial Surgery

Four-year hospital-based postgraduate residency leading to a certificate in the specialty. For application forms, admission requirements, and other information about this program, contact the School of Dentistry's Department of Oral Surgery and Hospital Dentistry (see Contact Information).

Core Competencies

The advanced specialty education program in oral and maxillofacial surgery is accredited by the American Dental Association (ADA) Commission on Dental Accreditation. Indiana University School of Dentistry's learning outcomes for the specialty certificate in oral and maxillofacial surgery are fully supportive of the outcomes required by the ADA. IU's program follows academic and clinical standards determined by the commission to ensure the quality and continuous improvement of dental and dentally related education, and to reflect the evolving practice of dentistry. Full details are published in the ADA's Standards for Dental Education Programs under Advanced Specialty Education Programs, Oral and Maxillofacial Surgery Standard 4: Curriculum and Program Duration (http://www.ada.org/115.aspx#general).

Orthodontics

M.S.D. degree program. Minor concentration: dental materials, oral pathology, dental education, or life sciences.

Core Competencies

The advanced specialty education program in orthodontics is accredited by the American Dental Association (ADA) Commission on Dental Accreditation. Indiana University School of Dentistry's learning outcomes for the master's degree in orthodontics are fully supportive of the outcomes required by the ADA. IU's program follows academic and clinical standards determined by the commission to ensure the quality and continuous improvement of dental and dentally related education, and to reflect the evolving practice of dentistry. Full details are published in the ADA's Standards for Dental Education Programs under Advanced Specialty Education Programs, Orthodontics and Dental Facial Orthopedics Standard 4: Curriculum and Program Duration (http://www.ada.org/115.aspx#general).

Pediatric Dentistry

M.S.D. degree program (hospital-based). Minor concentration: child psychology, dental materials, education, genetics, oral pathology, preventive dentistry, radiology, or speech pathology.

Core Competencies

The advanced specialty education program in pediatric dentistry is accredited by the American Dental Association (ADA) Commission on Dental Accreditation. Indiana University School of Dentistry's learning outcomes for the master's degree in pediatric dentistry are fully supportive of the outcomes required by the ADA. IU's program follows academic and clinical standards determined by the commission to ensure the quality and continuous improvement of dental and dentally related education, and to reflect the evolving practice of dentistry. Full details are published in the ADA's Standards for Dental Education Programs under Advanced Specialty Education Programs, Pediatric Dentistry Standard 4: Curriculum and Program Duration (http://www.ada.org/115.aspx#general).

Periodontics

M.S.D. degree program. Minor concentration: oral pathology.

Core Competencies

The advanced specialty education program in periodontics is accredited by the American Dental Association (ADA) Commission on Dental Accreditation. Indiana University School of Dentistry's learning outcomes for the master's degree in periodontics are fully supportive of the outcomes

required by the ADA. IU's program follows academic and clinical standards determined by the commission to ensure the quality and continuous improvement of dental and dentally related education, and to reflect the evolving practice of dentistry. Full details are published in the ADA's Standards for Dental Education Programs under Advanced Specialty Education Programs, Periodontics Standard 4: Curriculum and Program Duration (http://www.ada.org/115.aspx#general).

Preventive Dentistry

Available as an M.S. or M.S.D. degree program or as a track offered in the Ph.D. in Dental Science degree program. Minor concentration: life sciences, operative dentistry, microbiology, or public health (for M.S. and M.S.D. degree). For details about the Ph.D. preventive dentistry track, see the Preventive Dentistry Track Core Curriculum section of this bulletin.

Core Competencies

The graduates of the preventive dentistry program upon graduation will be able to define terms and explain basic principles, concepts, and theories related to Cariology. They will be prepared to:

1. describe the dental caries process in detail;
2. describe and contrast the interaction of the etiological factors associated with dental caries;
3. distinguish and assess the different presentations of dental caries;
4. recognize the epidemiology of dental caries;
5. discriminate populations at high risk for dental caries;
6. analyze the external and internal risk determinants of dental caries;
7. compare and contrast the different methodologies utilized for caries detection;
8. demonstrate diagnosis of dental caries;
9. assess caries risk status;
10. assess salivary flow measurements, buffering capacity, and management approaches for patients with low salivary flow;
11. compare and contrast some of the different strategies utilized for caries management;
12. discriminate the therapeutics used in caries management;
13. compare and contrast the use of sealants based on risk assessment, for individuals and populations;
14. support the values of prevention, evaluation, and reevaluation;
15. develop an Oral Health Plan to be incorporated by a health professional team;
16. develop a community health plan;
17. summarize the basic principles on developing patient education plans;
18. critically review scientific methodology; and
19. recognize the different methodologies and techniques related to caries research.

Prosthodontics

M.S.D. degree program. The maxillofacial prosthetics track is hospital-based. Minor concentration: dental materials.

Core Competencies

The advanced specialty education program in prosthodontics is accredited by the American Dental Association (ADA) Commission on Dental Accreditation. Indiana University School of Dentistry's learning outcomes for the master's degree in prosthodontics are fully supportive of the outcomes required by the ADA. IU's program follows academic and clinical standards determined by the commission to ensure the quality and continuous improvement of dental and dentally related education, and to reflect the evolving practice of dentistry. Full details are published in the ADA's Standards for Dental Education Programs under Advanced Specialty Education Programs, Prosthodontics Standard 4: Curriculum and Program Duration (http://www.ada.org/115.aspx#general).

Master's Degrees

Master of Science (M.S.) and Master of Science in Dentistry (M.S.D.)

- Admission
- Tuition and Fees
- Faculty Advisory/Research Committees
- Degree Requirements

Admission

Only students who have a minimum cumulative grade point average of 3.0 (on a scale of 4.0) will be considered for admission, unless, under exceptional circumstances, the prospective student can provide evidence that he or she is capable of successfully completing the graduate dental program. Application forms must be accompanied by transcripts of undergraduate and professional school work together with such additional materials as may serve to determine eligibility and ability to satisfactorily pursue an advanced course of study. Letters of support attesting to the candidate's academic background, professional experience, and character should be requested from at least two individuals who have direct knowledge of the candidate's potential to do graduate-level work. To request application information for one of the M.S. or M.S.D. programs, contact the School of Dentistry's Office of Graduate Education (see Contact Information).

Deadline dates for completed applications vary among the individual graduate programs. In addition, several of the individual graduate programs participate in the Postdoctoral Application Support Service (PASS[1]) and the Postdoctoral Dental Matching Program (Match[2]), two national services designed to help applicants obtain positions in first-year postdoctoral programs of their choice, as well as to help the programs obtain applicants of their choice. Candidates must register in these services if the program is a participant. For applications for the 2010-2011 academic year, three IU graduate programs are participating in both PASS and Match: orthodontics, pediatric dentistry, and oral and maxillofacial surgery. The endodontics and prosthodontics graduate programs are participating in PASS. Candidates should contact the dental school's Office of Graduate Education or the appropriate program director to obtain more information about application deadlines, national application services, and other details related to the application process.

1 Postdoctoral Application Support Service (PASS), offered by the American Dental Education Association: http://www.adea.org/

DENTAL_EDUCATION_PATHWAYS/PASS/Pages/default.aspx

2 Postdoctoral Dental Matching Program (Match), administered by National Matching Services, Inc.: www.natmatch.com/dentres

Tuition and Fees

Tuition and fees are paid at the time of registration and are subject to change by action of the Trustees of Indiana University.

All students applying for admission to the School of Dentistry are required to pay an Application Fee of $50.00 (foreign admission application is $60.00 in U.S. dollars [check or money order]). This fee is paid only once, is nonrefundable, and is not applied to other fees.

Tuition for 2009-2010 Academic Year

	Indiana Resident (Per Year)	Nonresident (Per Year)
Master's Degree Programs[1] (excluding hospital residencies)		
First Two Years	25,026.00	55,350.00
After Second Year	272.30 per credit hour	819.60 per credit hour
Residency Programs		
Pediatric Dentistry[1] and Maxillofacial Prosthetics[1] Residencies		
First Two Years	25,026.00	25,026.00
After Second Year	272.30 per credit hour	272.30 per credit hour
Oral and Maxillofacial Surgery Residency (both master's degree and certificate programs)	272.30 per credit hour	272.30 per credit hour

Ancillary Fees

Estimates of ancillary fees are listed by program:

Dental Materials (M.S. degree)

- General Fee, 6 or fewer credit hours per semester: $175.00 per semester; 7 or more credit hours per semester: $300.00 per semester

Endodontics

- Instrument Rental, $2,670.00 per calendar year

Operative Dentistry

- Instruments and Computer, $4,404.78
- Instrument Rental, $2,670.00 per calendar year

Oral Surgery

- General Fee, 6 or fewer credit hours per semester: $175.00 per semester; 7 or more credit hours per semester: $300.00 per semester

Orthodontics

- Instruments, $1,350.58
- Instrument Rental, $2,670.00 per calendar year
- Computer, $1,600

Pediatric Dentistry

- Instruments, $1,180.33

Periodontics

- Instruments, $786.12
- Instrument Rental, $2,670.00 per calendar year
- Computer, $1,600
- Camera, $1,500

Preventive Dentistry (M.S.D. degree)

- Computer, $1,600
- General Fee, 6 or fewer credit hours per semester: $175.00 per semester; 7 or more credit hours per semester: $300.00 per semester

Preventive Dentistry (M.S. degree)

- General Fee, 6 or fewer credit hours per semester: $175.00 per semester; 7 or more credit hours per semester: $300.00 per semester

Prosthodontics

- Instruments, Camera and Computer, $13,091.59
- Instrument Rental, $2,670.00 per calendar year

All graduate students are assessed a $130.00 general fee for the summer term.

1 Advance payment of $1,000.00 is required after a student has been accepted. This advance payment is nonrefundable, but it is applicable toward tuition fees.

Faculty Advisory/Research Committees

Each degree candidate is assigned to a faculty advisory committee. The committee is chaired by the chairperson of the candidate's major subject (or the chairperson's designee) and is composed of the chair and four or more additional members of the IU School of Dentistry, IU, or Purdue University graduate faculty, including at least two from the student's major department, one from each minor, and one from outside the major and minor departments. The functions of the advisory committee are to (1) approve the student's program of study; (2) counsel the student until the qualifying (oral and written comprehensive) examination is passed; and (3) compose and grade the qualifying examination.

At Indiana University, students have traditionally submitted a research thesis to complete their M.S.D. degree requirements. Requirements were modified in February 2004 to give program directors the option of permitting M.S.D. degree candidates to prepare their research either as a thesis, or in the form of a manuscript that must subsequently be submitted for publication in a refereed journal. The student's program director determines which option the student will pursue.

Following successful completion of the qualifying examination, the student will be permitted to complete the thesis or journal manuscript research under the direction of his or her research committee. The research committee may or may not have the same composition as the faculty advisory committee. The research committee is chaired by the faculty member who directs the thesis or journal manuscript research (chosen by the student with the consent of the chair of the faculty advisory committee) and is composed of the chairperson and four or more additional members of the IU School of Dentistry, IU, or Purdue University graduate faculty with at least two from the student's major department and one from each minor department. The committee should be selected from the members of the graduate faculty who are best qualified to assist the student in conducting the thesis or journal manuscript research. The research committee is responsible for supervising the research, guiding the preparation of the thesis or journal manuscript, and conducting and approving the thesis or journal manuscript defense.

Once the faculty advisory and research committees have certified that the student has completed the academic and research requirements, the director of the graduate program will certify the student for graduation and direct the graduate recorder to order the diploma.

Degree Requirements

Requirements for the M.S. degree are outlined in the Indiana University Graduate School Bulletin. Requirements for the M.S.D. degree are as follows:

Course Work

The student must complete a minimum of 30 credit hours of course work, of which at least 18 must be devoted to didactic work. A minimum of 6 credit hours must be earned toward a minor subject outside the major concentration.

Other elective subjects may be selected, based on the student's educational objectives. A total of 6 credit hours must be in research; however, additional research credit cannot be used toward fulfillment of requirements for the degree. Each student must have an original research project approved by the School of Dentistry Research Committee, and then must satisfactorily complete the project and submit an approved thesis or journal manuscript.

Core Courses

All graduate students enrolled in dental school programs (including M.S. degree candidates) are required to complete five core courses, as designated by the IU School of Dentistry Graduate Program. These courses are:

- G907 Clinical Oral Pathology Conference I
- G909 Clinical Oral Pathology Conference II
- G910 Seminar (Biostatistics)
- G948 Advanced Radiology
- R955 Graduate Oral Biology I

The core courses are in addition to courses that are required by individual departments
Required courses must be taken in the proper sequence, as specified by the student's committee. In most departments there are additional program requirements designed to meet such criteria as may be specified by the several dental specialty boards and the American Dental Association Commission on Dental Accreditation Standards for Advanced Specialty Education Programs.

The final credit requirement, including elective course work, is determined by each student's graduate committee and is usually dependent upon the student's previous academic accomplishments.

Grades

Failure to maintain a minimum grade point average of 3.0 (on a 4.0 scale) in either the major or minor concentration and/or failure to demonstrate evidence of continuing professional growth may subject the student to dismissal from the program.

Examinations

The members of the student's faculty advisory committee (previously described) will conduct the qualifying (oral and written comprehensive) examination, which essentially covers the candidate's field of study. The exact format of the examination will be determined by the individual faculty advisory committee and described in an educational agreement signed by the student and department chairperson at the beginning of the program. Successful completion of the qualifying examination is required in order to proceed to completion of the thesis or journal manuscript research, defense of the thesis or journal manuscript, and awarding of the degree. In accordance with University Graduate School requirements, students who fail the qualifying examination are normally allowed only one retake. The student must complete the qualifying examination six months prior to the intended date of graduation. The student is eligible but not required to take the examination upon the completion of one-half of the didactic requirements.

English Proficiency

All graduate students for whom English is not the first language must take the English for Academic Purposes (EAP) Placement Test at the beginning of their dental school program. This test is offered on the IUPUI campus by the EAP Program in the Department of English. Students must satisfactorily complete all English courses required as a result of performance on the EAP test before a certificate or degree can be awarded. The required English courses must be completed during the first year of study.

All graduate students whose first language is not English must be tested for oral English language competency before they are given any appointment having direct student contact. Students' oral language proficiency will be assessed using the SPEAK Test, a pronunciation test that is also offered by the EAP Program. If the results of the SPEAK test indicate that the student must take one or more English courses, these courses must be paid for by the student and must be satisfactorily completed before the student will be allowed to teach.

For more information about these tests, call the EAP Program at (317) 274-2188 or visit the EAP Program's Web site: http://liberalarts.iupui.edu/english/index.php/academics/eap/eap_home.

Continuing Enrollment

Students who have passed the qualifying examination and completed two years as a full-time student must enroll each semester (excluding summer sessions for off-campus students) for any remaining required course work or research credits. Once students have accumulated the number of

credit hours required by the particular graduate program, they must enroll for a minimum of 1 hour of graduate credit each semester until the degree is completed. Failure to meet this requirement will automatically terminate the student's enrollment in the degree program. All requirements for the master's degree must be completed within five consecutive years.

Time Limits and Revalidation

Master's programs in the School of Dentistry comply with IU's University Graduate School requirements regarding time limits and course revalidation. Thus, as a rule, a course may not be counted toward degree requirements if it has been completed more than five years prior to the awarding of the degree for master's students. The advisory committee, however, may recommend to the dean that course work taken prior to the above deadlines be revalidated if it can be documented that the knowledge contained in the course(s) remains current. Examples of such documentation may include (1) passing an examination specifically on the material covered by the course; (2) passing a more advanced course in the same subject area; (3) passing a comprehensive examination in which the student demonstrates substantial knowledge of the content of the course; (4) teaching a comparable course; or (5) publishing scholarly research demonstrating substantial knowledge of the content and fundamental principles of the course. Each course for which consideration for revalidation is being requested should be justified separately.

Students who do not complete all M.S. or M.S.D. requirements within five years will be given a maximum of one additional year to revalidate courses and complete all requirements. The enrollment of any student who fails to fulfill these requirements will be automatically terminated at the end of that year.

In the event the course work cannot be revalidated or the thesis or journal manuscript cannot, in the opinion of the advisory committee, be completed by the deadline stated above, the student, upon the advice of the advisory committee, may be awarded a certificate of completion of a curriculum in postgraduate study, or a certificate of attendance, whichever is deemed appropriate by the IU School of Dentistry. (Please note, however, that programs are not required to grant such certificates. See individual program educational agreements for specifics.)

M.S.D. Thesis or Journal Manuscript

The results of the M.S.D. degree research must be presented to the student's research committee either in traditional thesis form, or as a manuscript that will be submitted to a peer-reviewed journal. The research committee must approve the thesis before the student submits the thesis electronically to the IUPUI digital archive, IUPUI ScholarWorks. Students must also submit a bound thesis to their major and minor departments. If the manuscript option is selected in lieu of the thesis, the research committee and the research mentor must approve both the manuscript and the journal it is intended for before the manuscript can be submitted to the journal.

Ph.D. Degree

Doctor of Philosophy (Ph.D.) Degree in Dental Science

The objective of the Ph.D. in Dental Science Program is to provide a core curriculum that offers a solid scientific base for a career in research and/or teaching in the dental sciences. The Ph.D. degree in Dental Science (preventive dentistry, oral biology, or dental biomaterials track) focuses on basic and clinical science areas as they relate to the human organism and on the effect of dental materials on biological systems. Graduates of this program are ideal candidates for academic teaching and/or research positions in dental schools, medical schools, and other basic science departments as well as for research positions in government institutions and industry.

- Admission
- Tuition
- Enrollment and Financial Support
- Degree Requirements
- Curricula:
- Oral Biology Track Core Curriculum
- Preventive Dentistry Track Core Curriculum
- Dental Biomaterials Track Core Curriculum

Admission

The program is open to persons who have earned the Doctor of Dental Surgery degree or its equivalent as well as graduates of bachelor of science degree programs. Applicants must have a minimum grade point average of 3.0 or higher on a 4.0 scale (grade point averages from the dental degree in the case of dental school graduates). Candidates for the Ph.D. degree program must have a minimum percentile score on the Graduate Record Examination (GRE) of 55 percent in the verbal, quantitative, or analytical section. In addition, an acceptable TOEFL score must be obtained by applicants from non–English-speaking countries, as follows: a score of 550 or higher on the paper-based test, 213 or higher on the computer-based test, or 79 or higher on the Internet-based test.

Tuition

Tuition is paid at the time of registration and is subject to change by action of the Trustees of Indiana University.

All students applying for admission to the School of Dentistry are required to pay an Application Fee of $50.00 (foreign admission application is $60.00 in U.S. dollars [check or money order]). This fee is paid only once, is nonrefundable, and is not applied to other fees.

Tuition for 2010-2011 Academic Year

Ph.D. students are charged a credit hour rate throughout the entire course of study. Credit hour rates for the 2009-2010 academic year are $272.30 for residents and $819.60 for nonresidents.

Enrollment and Financial Support

Enrollment in the Ph.D. in Dental Science Program is limited in regard to the number of appropriate faculty available to serve as research mentors. In general, an average ratio of one student to one graduate faculty member is the maximum. Acceptance criteria will be as described above, with

applicants being ranked by grade point averages, GRE scores, previous research experience, and possibly by interviews. Financial support is primarily the responsibility of the student. However, several fellowships may be available.

Degree Requirements

- General Information
- English Proficiency
- Continuing Enrollment
- Minor
- Other Courses
- Teaching Experience
- Research
- Student Advisory Committee
- Qualifying Examination
- Research Proposal
- Written Examination
- Admission to Candidacy
- Research Committee

General Information

The degree requires 90 credit hours with 32-40 required course credits (depending on the choice of track) and 12 credits in a minor. Disciplines included in the program are anatomy, biochemistry, biomedical engineering, biostatistics, cell biology, chemistry, immunology, materials science engineering, mechanical engineering, microbiology, molecular biology, pathology, physics, and physiology.

The three Ph.D. tracks contain courses in biostatistics, research ethics, research communications, and effective teaching methods. The two courses in biostatistics emphasize the important role of appropriate statistical methods used in biological research. The research ethics course addresses the importance of a strong ethical approach to the scientific method and human and animal research. Research Communications is a multidisciplinary course that will increase the ability of the student to write and review scientific papers. The teaching methods courses recognize that most of our students will ultimately teach in an academic environment and may have no previous course work in education. In addition, students are required to participate as tutors in IU's problem-based learning program for dental students.

All general requirements of IU's University Graduate School apply to the Ph.D. in Dental Science Program, plus specific requirements of the program as outlined in the core curricula below. All Ph.D. work offered in partial fulfillment of degree requirements must either be completed within seven consecutive calendar years of the passing of the qualifying examination or be revalidated. Any student whose candidacy lapses will be required to apply to the University Graduate School for reinstatement before further work toward the degree may formally be done. To be reinstated to candidacy in the University Graduate School, the student must: (1) obtain permission of the program director; (2) fulfill the program requirements in effect at the time of the application for reinstatement; (3) pass a current Ph.D. qualifying examination or its equivalent (defined in advance); and (4) request reinstatement to candidacy from the dean. Such reinstatement, if granted, is valid for a period of three years, during which time the candidate must enroll each semester for a minimum of 1 credit hour.

English Proficiency

Students who are nonnative speakers of English must take the English for Academic Purposes (EAP) Placement Test at the beginning of their dental school program. This test is offered on the IUPUI campus by the EAP Program in the Department of English. Students must satisfactorily complete all English courses required as a result of performance on the EAP test before a certificate or degree can be awarded. The required English courses must be completed during the first year of study.

For more information, visit the EAP Program's Web site: http://liberalarts.iupui.edu/english/index.php/academics/eap/eap_home.

Continuing Enrollment

Students who have passed the qualifying examination must enroll each semester (excluding summer sessions) for any remaining required course work or dissertation credits. Once such students have accumulated 90 credit hours in completed course work and deferred dissertation credits, they must enroll for a minimum of 1 hour of graduate credit each semester (excluding summer sessions) until the degree is completed. Failure to meet this requirement will automatically terminate the student's enrollment in the degree program.

A candidate who will be graduating in June, July, or August of any year must enroll in a minimum of 1 hour of credit in either the current or immediately preceding summer session.

Minor

The minor consists of 12 credit hours in any one of the advanced basic science courses (anatomy, biochemistry, biomedical engineering, chemistry, materials science engineering, mechanical engineering, microbiology and immunology, pathology, pharmacology, physics, physiology, life science) or their equivalents, as approved by the student's advisory committee and the chairperson of the minor department. Credit hours for the required courses may not count toward the minor courses.

Other Courses

Selection of other courses is determined by requirements of the chosen minor, research committee, and/or advisory committee.

Teaching Experience

All students participate in the predoctoral dental curriculum by tutoring in small, problem-based learning (PBL) groups for a total of two PBL blocks after successful completion of the IU School of Dentistry tutor-training program. All students receiving stipends or tuition support from the school must tutor for an additional one or two blocks per year. Students who are nonnative speakers of English must be tested for oral English language competency before they are given any appointment having direct student contact. Students' oral language proficiency will be assessed using the SPEAK Test, a pronunciation test that is also offered by the EAP Program. If the results of the SPEAK test indicate that the student must take one or more English courses, these courses must be paid for by the student and must be satisfactorily completed before the student will be allowed to teach.

For more information, visit the EAP Program's Web site: http://liberalarts.iupui.edu/english/index.php/academics/eap/eap_home.

Students are required to enroll in the IUPUI Preparing Future Faculty (PFF) program.

Research

Laboratory Rotations—R957 Introduction to Research in Oral Biology (3 cr.); at least three separate rotations (two to four months each) conducting small projects in the laboratories of IU graduate faculty members. Projects will be graded. Students in all tracks enroll in this course. It is expected that the student will choose a dissertation advisor (mentor) from these faculty members.

Laboratory Research—R958 Research: Oral Biology (1-12 cr. hrs./semester); G930 Research: Preventive Dentistry (1-12 cr. hrs./semester); or G921 Research: Dental Materials (1-12 cr. hrs./semester). Credit for research is directly related to the writing and defense of a Ph.D. dissertation.

G901 Dissertation Research. Once 90 total credits have been accumulated in the appropriate areas, students may enroll in this course for a maximum of six semesters until the dissertation is complete. Students must be enrolled for at least 1 credit hour each semester.

Research Credits

46 minimum (Oral Biology Track), 38 minimum (Preventive Dentistry Track), 39 minimum (Dental Biomaterials Track).

Student Advisory Committee

The student chooses the advisory committee, usually by the end of the first spring semester following enrollment in the program. The initial committee is composed of three members of the dental school faculty, two of whom must be members of the University Graduate School faculty (www.graduate.indiana.edu/faculty-resources.php). Generally, one member is also the student's intended dissertation mentor. This committee is responsible for monitoring the student's progress and for advising the student with regard to all matters associated with the graduate program.

Prior to the student's qualifying exam (generally by the second summer following enrollment), two additional advisory committee members will be added from the student's minor field and/or from the general area in which the student has decided to conduct his or her dissertation research. This committee of five serves as the qualifying exam committee, with a member other than the dissertation mentor serving as chairperson.

Qualifying Examination for Admission to Candidacy

The qualifying exam consists of two parts: (1) writing and presenting an oral defense of a research proposal ; and (2) sitting for a written exam.

Research Proposal

The student chooses, with the help and approval of the advisory committee chairperson, a topic for a grant proposal to be written and defended as part of the qualifying exam. This is usually done by the end of the second spring semester following enrollment. The topic may be in the area of the student's intended dissertation research but cannot be prepared as a requirement for another course.

Students should begin with an outline for a proposal that is approved by the committee chairperson. After approval, the student writes a proposal in the style of a National Institutes of Health (NIH) R01 grant proposal including the following sections: Summary, Specific Aims, Background and Significance, Research Design and Methods, Literature Cited, and Budget, but with the length reduced to a maximum of 15 single-spaced, 12-point font pages for the following sections: Summary, Specific Aims, Background and Significance, and Research Design and Methods. There are no page limits for the Literature Cited and Budget sections. The proposal, once written to the satisfaction of the student, is submitted to the committee chairperson, who distributes copies to the rest of the committee. The committee decides whether the proposal is defensible or in need of revisions prior to the defense. Upon final approval, a time is set for the student to defend the proposal in the presence of the committee.

The defense of the proposal consists of a 30- to 45-minute presentation of the proposed work by the student, followed by a one- to three-hour oral examination consisting of questions arising from the proposal, the student's presentation, or answers to initial questions. Satisfactory defense of the proposal will be followed by a written exam at a date and time convenient to the members of the committee and student (within 60 days after the proposal defense). Students who do not satisfactorily complete the proposal defense may be allowed to retake it with the permission of the advisory committee.

Written Examination

Each member of the advisory committee submits a comprehensive question in his or her area(s) of expertise to the committee chairperson, who then collates the questions from all five committee members. The exam package is handed to the student on the morning of the exam. The student is provided a room in which to complete the examination, preferably in a typed format. No notes or any other study aids are permitted during the exam, which is expected to be completed within eight hours. The entire exam is returned to the chairperson, who distributes the answers to individual committee members for correction, usually within a week. Students who do not satisfactorily complete the written exam may be allowed to retake it once with the permission of the advisory committee. In addition, students who fail both components of the qualifying exam are normally allowed to retake the exam once. The qualifying exam must be completed at least eight months before the degree is awarded.

Admission to Candidacy

The student advisory committee submits a Nomination to Candidacy form to the University Graduate School after the student has completed all required didactic courses and passed the qualifying exam.

Research Committee

Members of the advisory committee may continue to serve as members of the student's research committee. However, the latter committee is chaired by the student's research advisor, who must be a member of the University Graduate School faculty with endorsement to direct doctoral committees (see www.graduate.indiana.edu/faculty-resources.php). The research committee is composed of two other members of the University Graduate School faculty in the School of Dentistry, a member of the University Graduate School faculty outside of the School of Dentistry (generally a member of the minor department), and an expert in the student's field

of research outside of Indiana University. The outside member must meet the requirements of membership. At least half of the members of the research committee must be members of the University Graduate School faculty with endorsement; others may be members either with or without endorsement.

The research committee is responsible for supervising the student's research, reading the dissertation and providing scientific and editorial comments on its content, and conducting the final examination (defense of dissertation). The research committee, except for the outside member, typically meets formally with the student twice annually to assess progress and make appropriate suggestions. During one of these assessments, most likely during the third or fourth year but usually at least six months prior to completion of the dissertation, the student gives a 45–50-minute presentation open to all dental school faculty. The dissertation defense consists of a 45–50-minute presentation open to all university faculty followed by a one- to three-hour oral examination on the dissertation that is open to the research committee only.

Oral Biology Track Core Curriculum

(The Oral Biology Track core curriculum has a minimum of 44 course credits, composed of 32 required and 12 minor credits.) For descriptions of courses that do not appear on the list of graduate courses in this bulletin, contact the appropriate department or school (at www.iupui.edu/academic/schoolsdepts.htm).

Required Courses (32 credits minimum) Biochemistry (3-5 credits)

- BIOC B500 Introduction to Biochemistry (3 cr.) or
- BIOC B800 Medical Biochemistry (3 cr.) and
- GRAD G817 Eukaryotic Cell Biology (2 cr.)

Microbiology (3 credits)

- MICR J822 General and Medical Microbiology (3 cr.) or
- MICR J510 Infectious Microbes and Host Interaction (3 cr.) or
- MICR J805 Molecular Immunology (3 cr.)

General Graduate (16 credits)

- GRAD G504 Introduction to Research Ethics (2 cr.)
- GRAD G651 Introduction to Biostatistics I (3 cr.)
- GRAD G652 Introduction to Biostatistics II (3 cr.)
- GRAD G655 Research Communications Seminar (2 cr.; taken in spring of second year)
- GRAD G865 Fundamental Molecular Biology (3 cr.)
- EDUC J500 Instruction in the Context of Curriculum (3 cr.) or PSY 608 Measurement Theory and Data Interpretation (3 cr.) or EDUC R503 Instructional Media Applications (3 cr.); taken in first year; or other teaching method course recommended by the program director

Dental/Oral Biology (10-15 credits)

- G910 Seminar: Preventive Dentistry or
- R959 Seminar: Oral Biology (one semester each year, 1 cr. each)
- R956 Current Topics in Oral Biology (2 semesters, 4 cr. each)

Research (remainder of 90 credits)

- R957 Introduction to Research in Oral Biology (3 cr.; taken once)
- R958 Research: Oral Biology (1-12 cr. each semester)

Preventive Dentistry Track Core Curriculum

(The Preventive Dentistry Track core curriculum has a minimum of 51 course credits, composed of 39 required and 12 minor credits.) For descriptions of courses that do not appear on the list of graduate courses in this bulletin, contact the appropriate department or school (at http://www.iupui.edu/academic/schoolsdepts.htm).

Required Courses (39 credits minimum)

- G959 Oral Microbiology (3 cr.)
- G974 Advanced Nutrition (2 cr.)
- R909 Advanced Preventive Dentistry I (3 cr.)
- R910 Advanced Preventive Dentistry II (3 cr.)
- R911 Advanced Preventive Dentistry III (1-2 cr.)

Courses from the following list can be used to complete the total hours required for the major subject:

- C607 General Pathology (5 cr.)
- G900 Advanced Oral Histology and Embryology (2 cr.)
- G905 Bone Physiology, Imaging, and Implant Anchorage (2 cr.)
- G911 Dental Materials Science and Engineering (3 cr.)
- G965 Histophysiology and Pathology of the Periodontium (4 cr.)
- G967 Advanced Periodontics (4 cr.)
- G973 Vitamins, Mineral Metabolism, and Hormones (2 cr.)

General Graduate (13 credits)

- GRAD G504 Introduction to Research Ethics (2 cr.)
- GRAD G651 Introduction to Biostatistics I (3 cr.)
- GRAD G652 Introduction to Biostatistics II (3 cr.)
- GRAD G655 Research Communications Seminar (2 cr.; taken in spring of second year)
- EDUC J500 Instruction in the Context of Curriculum (3 cr.) or PSY 608 Measurement Theory and Data Interpretation (3 cr.) or EDUC R503 Instructional Media Applications (3 cr.); taken in first year; or other teaching method course recommended by the program director

Dental/Oral Biology (10-15 credits)

- G910 Seminar: Preventive Dentistry or
- R959 Seminar: Oral Biology (one semester each year, 1 cr. each)
- R956 Current Topics in Oral Biology (2 semesters, 4 cr. each)

Required Dental Sciences Courses for Non–Dental Preventive Dentistry Track Applicants

Applicants without a dental degree may apply for the Preventive Dentistry Track but are required to take the following courses in the first two years of their program:

- G935 Dental Pediatrics (2 cr.)
- G981 Principles of Restorative Dentistry (3 cr.)

Research (remainder of 90 credits)

- G930 Research: Preventive Dentistry (1-12 cr. each semester)
- R957 Introduction to Research in Oral Biology (3 cr.; taken once)

Dental Biomaterials Track Core Curriculum

(The Dental Biomaterials Track core curriculum has a minimum of 51 course credits, composed of 39 required and 12 minor credits.) For descriptions of courses that do not appear on the list of graduate courses in this bulletin, contact the appropriate department or school (see list of web addresses below).

Required Courses (variable)
All of these courses are offered on the Indianapolis (IUPUI) Campus:

- Biochemistry-Microbiology (3 credits)
- B500 Introduction to Biochemistry (3 cr.) or
- G959 Graduate Oral Microbiology (3 cr.)

- General Graduate (10 or 11 credits
- G651 Introduction to Biostatistics I (2 cr.)
- G652 Introduction to Biostatistics II (2 cr.)
- G504 Introduction to Research Ethics (2 cr.) or
- G505 Responsible Conduct of Research (1 cr.)
- G655 Research Communications Seminar (2 cr.)
- J500 Instruction in the Context of Curriculum (3 cr.) or
- PSY 608 Measurement Theory and the Interpretation of Data (3 cr.) or
- R503 Instructional Media Applications (3 cr.)

- Dental/Oral Biology (10-15 credits
- G910 Seminar: Dental Materials (1 cr.) or
- G910 Seminar: Preventive Dentistry (1 cr.) or
- R959 Seminar: Oral Biology (1 cr.; taken one semester each year)
- R956 Current Topics in Oral Biology (taken for 2 semesters; 4 cr. each)

Elective Classes These courses are offered by the Purdue University School of Materials Engineering on the West Lafayette campus; Indiana University School of Dentistry (IUPUI campus); and the IUPUI Department of Mathematical Sciences):

- MSE 530 or MSE 230 Materials Processing in Manufacturing or Structure and Properties of Materials (3 cr.; West Lafayette)
- MSE 240 Processing and Properties of Materials (3 cr.; West Lafayette)
- MSE 335 Materials Characterization Laboratory (3 cr.; West Lafayette)
- MSE 350 Thermodynamics of Materials (3 cr.; West Lafayette)
- MSE 382 Mechanical Response of Materials (3 cr.; West Lafayette)
- MSE 690 Seminar in Materials Engineering (0 cr.; West Lafayette)
- G911 Dental Materials Science and Engineering (3 cr.; IUSD)
- G912 Properties and Test Methods: Dental Materials (3 cr.; IUSD)
- G913 Clinical Applications of Dental Materials (3 cr.; IUSD)
- M527 Advanced Mathematics for Engineering and Physics I (3 cr.; Department of Mathematical Sciences)

Specialty Courses (In Addition to the Core Courses): These courses are offered by the Purdue University School of Materials Engineering and Weldon School of Biomedical Engineering, both on the West Lafayette campus; Indiana University School of Dentistry; and Purdue University School of Engineering and Technology on the IUPUI campus.

Polymers:

- MSE 525 Structure-Property Relationships of Engineering Polymers (3 cr.; West Lafayette)
- MSE 597Y Polymer Synthesis (3 cr.; West Lafayette)
- MSE 597B-A&AE 590M Manufacturing of Advanced Composites (3 cr.; West Lafayette)

6 credits in graduate-level course work chosen by the student's advisory committee

Ceramics:

- MSE 510 Microstructural Characterization Techniques (3 cr.; West Lafayette)
- MSE 512 Powder Processing (3 cr.; West Lafayette)
- MSE 523 Physical Ceramics (3 cr.; West Lafayette)
- MSE 556 Fracture of Materials (3 cr.; West Lafayette)

3 credits in graduate-level course work chosen by the student's advisory committee

Metals:

- MSE 508 Phase Transformation in Solids (3 cr.; West Lafayette)
- MSE 510 Microstructural Characterization Techniques (3 cr.; West Lafayette)
- MSE 522 Rate Phenomena in Process Metallurgy (3 cr.; West Lafayette)

6 credits in graduate-level course work chosen by the student's advisory committee

Biomechanics:

- BME 595C Skeletal Biomechanics (3 cr.; IUPUI)
- BME 595J Molecular, Cellular Biomechanics (3 cr.; IUPUI)
- MSE 556 Fracture of Materials (3 cr.; West Lafayette)

6 credits in graduate-level course work chosen by the student's advisory committee

Tissue Engineering:

- BME 595E Tissue Engineering (3 cr.; West Lafayette)
- BMS 523 Tissue Engineering (3 cr.; West Lafayette)
- BME 601 Principles of Biomedical Engineering I (3 cr.; IUPUI)

- BME 602 Principles of Biomedical Engineering II (3 cr.; IUPUI)
- BME 595B Biomolecular Engineering (3 cr.; IUPUI)

Additional information for Purdue University and IUPUI courses is available at the following links:

engineering.purdue.edu/MSE/index.html

www.engr.iupui.edu/bme/index.shtml

www.math.iupui.edu

engineering.purdue.edu/BME/Academics/Courses/GraduateCourses
www.iupui.edu/academic/schoolsdepts.htm

Graduate Courses

The availability of specific course offerings varies from year to year.

DENT G905 Bone Physiology, Imaging, and Implant Anchorage (1-3 cr.) Histology, physiology, pathology of bone with reference to maxilla and mandible; development, growth, maintenance, and functional adaptation of bone; bone in pathologic states such as developmental disturbances, inflammatory disturbances, disturbances of metabolism, and tumors.

DENT G907 Clinical Oral Pathology Conference I (.5; 1 maximum cr.) Presentation of cases of diagnostic problems; student prepares several cases for presentation.

DENT G909 Clinical Oral Pathology Conference II (1 cr.) Differential diagnosis of oral and maxillofacial pathology. Emphasis on etiology, pathogenesis, and therapeutics.

DENT G910 Seminar (1 cr.)

DENT G911 Dental Materials Science and Engineering (2-3 cr.) Composition, chemical reactions, physical properties, and clinical significance of metals, resins, and other materials used in dentistry; phases of metallography, physical chemistry, and physics pertinent to this field. Laboratory experience in specimen preparation, use of metallograph and scanning electron microscope.

DENT G912 Properties and Test Methods: Dental Materials (2-3 cr.) Discussion of the basic physical, mechanical, and chemical properties with emphasis on the relationship to dental materials. Methods applicable to testing dental materials for these properties will be discussed along with ADA and ANSI specifications. (Laboratory demonstrations of instruments.)

DENT G913 Clinical Applications of Dental Materials (2-3 cr.) P: G912. This is a seminar course in which the clinical behavior and manipulation of dental materials as related to basic physical and chemical properties of the materials are discussed. Specific clinical problems are defined and knowledge of basic properties applied to explain the behavior and/or solve the problem.

DENT G914 Advanced Complete Denture Theory (1-3 cr.) Advanced theories of complete denture prosthodontics, including comparison of denture materials and prosthetic teeth.

DENT G915 Advanced Complete Denture Clinic (1-6 cr.) Clinical practice following advanced theories and practices suggested in G914.

DENT G916 Special Problems in Complete Denture Design (1-4 cr.) Treatment of patients with difficult and unusual prosthetic denture problems.

DENT G917 Maxillofacial Prosthetics (1-6 cr.) Lectures on the prosthetic rehabilitation of individuals with congenital, acquired, or developmental intraoral and extraoral defects; hospital routine and multidisciplined approach to treatment.

DENT G918 Research: Dental Diagnostic Sciences (arr. cr.)

DENT G921 Research: Dental Materials (arr. cr.)

DENT G922 Research: Pediatric Dentistry (arr. cr.)

DENT G923 Research: Prosthodontics (arr. cr.)

DENT G925 Research: Operative Dentistry (arr. cr.)

DENT G926 Research: Endodontics (arr. cr.)

DENT G927 Research: Orthodontics (arr. cr.)

DENT G928 Research: Periodontics (arr. cr.)

DENT G930 Research: Preventive Dentistry (arr. cr.)

DENT G931 Advanced Pediatric Dentistry (1-3 cr.) Two-semester course; diagnostic, preventive, and therapeutic phases of pediatric dentistry; evaluation of the literature.

DENT G934 Advanced Clinical Pediatric Dentistry (1-6 cr.) Advanced, diagnostic, corrective, and preventive procedures in pediatric dentistry; instruction and clinical experience in restorative dentistry, dental caries control, pulp therapy, periodontics, hereditary and congenital dental anomalies, oral medicine, behavior management, sedation, managing patients with various medically or physically disabling conditions, managing oral trauma, and interceptive orthodontic procedures.

DENT G935 Dental Pediatrics (1-2 cr.) Medical and dental problems of the chronically ill or handicapped child; lectures, discussions, and ward rounds cover physical diagnosis, and normal and abnormal physical and emotional growth of the child.

DENT G936 Advanced Pediatric Dentistry Techniques (1-3 cr.) Interceptive orthodontic appliance design and fabrication.

DENT G937 Advanced Clinical Instruction in Removable Partial Prosthodontics (.5-6 cr.) Clinical experience in extracoronally and intracoronally retained removable partial dentures.

DENT G938 Advanced Removable Partial Prosthodontics Technique (.5-6 cr.) Tooth preparation for and fabrication of abutment restorations for extracoronally and intracoronally retained removable partial dentures, and fabrication of the prostheses.

DENT G940 Advanced Clinical Instruction in Fixed Partial Prosthodontics (1-6 cr.) Patient treatment involving the use of extracoronal restorations and fixed prostheses,

including partial veneer cast crowns, full veneer cast crowns, pin-ledge retainers, metal-ceramic crowns, all-ceramic crowns, metal-ceramic pontics, and sanitary pontics.

DENT G941 Advanced Fixed Partial Prosthodontics Technique (.5-4 cr.) Tooth preparation for and fabrication of extracoronal restorations and fixed prostheses, including partial-veneer gold crowns, full-veneer cast crowns, pin-ledge retainers, metal-ceramic crowns, all-ceramic crowns, metal-ceramic pontics, and sanitary pontics.

DENT G942 Theories of Occlusion (1-2 cr.) Review of the literature, philosophies, and techniques of major contributors to the development of modern gnathological concepts.

DENT G944 The Principles of Gnathology (1-2 cr.) Lectures, laboratory, and clinical exercises demonstrating the application of gnathological principles to restorative dentistry.

DENT G945 Pediatric Dentistry Seminar (1 cr.) Current literature, research design, case analysis, and diagnosis.

DENT G947 Cephalometrics (1-4 cr.) Technique of procuring films of living individuals; tracing of important facial landmarks and planes; taking of significant angular and linear readings, and transposing same to a graph.

DENT G948 Advanced Radiology (2 cr.) Applications in X-ray production, intraoral and extraoral techniques, film processing, radiographic interpretation, radiation hygiene.

DENT G950 Advanced Clinical Operative Dentistry (1-6 cr.) Comprehensive restorative care correlated with modern preventive dentistry principles; current concepts of operative dentistry.

DENT G951 Interdisciplinary Role of Operative Dentistry (2 cr.) The interrelationship of operative procedures with other areas of dental and general health care delivery.

DENT G952 Analysis of Operative Procedures (2 cr.) Restorative techniques and physical properties of dental materials correlated to properties of tooth structure; pulp protection and permanency of restorations.

DENT G953 Recent Advances in Operative Dentistry (2 cr.) Current concepts dictated by research; correlation of reports on the literature.

DENT G956 Advanced Endodontics (1-8 cr.) Classroom instruction and clinical experience in developing proficiency in complicated endodontic cases.

DENT G957 Analysis of Endodontic Theory (1-4 cr.) Library research and review of literature supporting principles and practice of endodontics.

DENT G958 Biomechanics (1-4 cr.) Principles of force application used in altering dento-facial relationship; appliance design, fabrication, and activation; specific treatment procedures discussed and applied on the typodont.

DENT G959 Oral Microbiology (3 cr.) P: Basic microbiology. Role of oral microorganisms in health and disease states of the host. Emphasis is placed on the biological mechanisms involved in dental caries, periodontal disease, and specific microbial infections of the oral cavity.

DENT G960 Advanced Orthodontic Clinic (1-6 cr.) Details of treatment plan based on careful analysis; timing phenomena; reanalysis of treatment; cleft palate, surgical correction, temporomandibular syndrome.

DENT G963 Advanced Orthodontic Techniques (2 cr.) Details of wrought and cast appliances used in treatment of malocclusions.

DENT G964 Dento-Facial Analysis (2 cr.) P: G947. Methods of determining and evaluating deviation from normal dental, skeletal, muscular, and integumental patterns; treatment objectives with respect to stability, esthetics, and function.

DENT G966 Advanced Clinical Periodontics (1-4 cr.) Evaluation and treatment of special advanced cases involving diseases of soft tissue and bony support structures.

DENT G967 Advanced Periodontics (1-4 cr.) Periodontal diseases relating to etiology, symptomatology, treatment, and differential diagnosis.

DENT G972 Proteins and Nucleic Acids (2 cr.) Composition, function, and regulation of proteins and nucleic acids and their relationship to oral structures.

DENT G973 Vitamins, Mineral Metabolism, and Hormones (2 cr.) Composition, function, and regulation of hormones, vitamins, and minerals and their relationship to oral health.

DENT G974 Advanced Nutrition (2 cr.) Review of the basic nutrient categories and their relationship to health and disease in contemporary society. Special emphasis on nutritional factors influencing dental and oral health.

DENT G976 Advanced Oral Pathology I (1-2 cr.) All phases of disease of the oral cavity and adjacent structures; oral manifestations of systemic disease; disturbances of growth and development, infections, and neoplasms; microscopic study of tissue sections.

DENT G977 Advanced Oral Pathology II (2 cr.) All phases of disease of the oral cavity and adjacent structures; oral manifestations of systemic disease; disturbances of growth and development, infections, and neoplasms; microscopic study of tissue sections.

DENT G980 Advanced Surgical Endodontics (1-6 cr.) P: G956 and G957. Classroom instruction in principles and clinical experience in advanced surgical endodontics.

DENT R901 Oral Surgery Literature Seminar (.5 cr.) Seminar review of classic and current literature in the field of oral and maxillofacial surgery.

DENT R904 Anesthesia Clinic and Seminar (arr. cr.) General anesthesia as applied in the operating room for all types of surgical problems as well as for dental procedures for ambulatory outpatients. (Enrollment limited to oral and maxillofacial surgery residents, except by special permission.)

DENT R905 Advanced Oral Surgery (1-3 cr.) Major and minor advanced oral surgical procedures, treatment planning, and variable approaches to similar problems; development of surgical judgment. (Enrollment limited to oral and maxillofacial surgery residents, except by special permission.)

DENT R906 Advanced Oral Surgery Seminar (1-3 cr.) Broad background for advanced oral surgery; interpretation of physical findings, special laboratory procedures and evaluations, changing concepts in antibiotic and chemotherapeutic treatment, medicolegal aspects of surgery. (Enrollment limited to oral and maxillofacial surgery residents, except by special permission.)

DENT R909 Advanced Preventive Dentistry I (2-3 cr.) Basic concepts, principles, and techniques relative to the etiology and prevention of oral diseases. Analysis of the components of the oral environment, attacking agents, defense mechanisms, and preventive measures.

DENT R910 Advanced Preventive Dentistry II (2-3 cr.) Basic concepts, principles, and techniques relative to the etiology and prevention of oral diseases. Analysis of the components of the oral environment, attacking agents, defense mechanisms, and preventive measures.

DENT R911 Advanced Preventive Dentistry III (1-2 cr.) Basic concepts, principles, and techniques relative to the etiology and prevention of oral diseases. Analysis of the components of the oral environment, attacking agents, defense mechanisms, and preventive measures.

DENT R916 Scientific Writing (2 cr.) This course is designed to inform graduate students of techniques of writing and editing that will help them in their writing projects in graduate school and in their future careers.

DENT R921 Maxillofacial Prosthetics Clinic (.5-6 cr.) Introduction to the clinical management of individuals with congenital, acquired, or developmental intraoral and extraoral defects, with hospital experiences and a multidisciplined approach.

DENT R922 Advanced Maxillofacial Prosthetics Clinic (1-6 cr.) Advanced clinical practice in the treatment of individuals with congenital, acquired, or developmental intraoral and extraoral defects, with hospital experiences and a multidisciplined approach.

DENT R923 Maxillofacial Prosthetics Seminar (.5-2 cr.) Review of fundamentals, multidisciplined topics, current literature, and case presentation.

DENT R924 Retention and Post-Retention Analysis (2 cr.) Problems of retention in orthodontically treated patients; appliances and procedures for prevention and control of relapses; retrospective analysis of long-term post-retention records to assess the results of different approaches to treatment.

DENT R925 Special Topics in Dentistry (1-14 cr.) Attendance at lectures, seminars, and special clinics designed to update students' knowledge in clinical and basic science disciplines.

DENT R928 Advanced Maxillofacial Prosthetic Technique (.5-1 cr.) Design and fabrication of obturators for partial maxillectomy patients, both edentulous and dentulous. Introduction to the fabrication of extraoral prostheses.

DENT R929 Advanced Complete Denture Technique (.5-1 cr.) Dental laboratory procedures for the fabrication of complete and immediate dentures, including setting and equilibrating denture teeth.

DENT R930 Prosthodontic Literature Review (.5-1 cr.) Discussion of assigned topics from classic and current prosthodontic and related literature, led by students and moderated by faculty member in charge.

DENT R931 Advanced Fixed Partial Prosthodontics Seminar and Laboratory I (.5-2 cr.) Advanced clinical and laboratory procedures with emphasis on metal-ceramic restorations.

DENT R932 Speech and Craniofacial Anomalies (1 cr.) Background into etiology, incidence, and classification of cleft lip and/or palate. Emphasis upon rehabilitation of patients with facial malformations including orthodontic, orthopedic, prosthetic, and surgery.

DENT R933 Clinical Prosthodontics Seminar (.5-2 cr.) Advanced clinical procedures pertinent to the practice of prosthodontics.

DENT R934 Surgical Orthodontics Seminar I (1 cr.) Theoretical basis for diagnosis and treatment planning of cases involving both orthodontics and surgery.

DENT R935 Surgical Orthodontics Seminar II (1 cr.) Continuation of Surgical Orthodontics Seminar I; theoretical basis for diagnosis and treatment planning of cases involving both orthodontics and surgery; student prepares cases for presentation.

DENT R936 Advanced Fixed Partial Prosthodontics Seminar and Laboratory II (.5-2 cr.) Advanced clinical and laboratory procedures with emphasis on all-ceramic restorations.

DENT R940 Fundamentals of Implant Dentistry I (1-3 cr.) Two-semester course presenting oral implants as an alternative for removable prostheses. The lecture and class participation course offers biological sciences relating to implantology with emphases on biomaterials, physiology of bone, soft tissue, and wound healing relating to various implants. Includes a review of pathology affecting implant therapy success.

DENT R941 Fundamentals of Implant Dentistry II (1-3 cr.) An overview of available implant systems with clinical application including patient selection, diagnosis and treatment planning, implant placement, interim prosthetic management, and definitive restorative procedures. This lecture/clinical course is in conjunction with G915, G937, and G940 (clinics) and will provide hands-on experiences in clinical and laboratory procedures.

DENT R942 Management of Temporomandibular Disorders and Occlusion (1-3 cr.) This course, a weekly two-hour seminar, will give the student a better perspective on the diagnosis and management of temporomandibular disorders. Host speakers will lecture on the perspective of their specialty (e.g., neurology, radiology, psychology, psychiatry, rheumatology, orthopedics, physical medicine, physical therapy). Literature reviews will be prepared by participating students.

DENT R943 Management of Temporomandibular Disorders and Occlusion--Clinic (1-3 cr.) P: R942. Weekly three-hour clinical session for clinical management of the TMJ patient with (1) pain of muscular origin; (2) internal

derangement; (3) problems associated with inflammation, chronic hypomobility, hypermobility, and deformity.

DENT R944 Graduate Craniofacial Growth and Development I (2-3 cr.) Growth and development of the craniofacial complex are presented in descriptive and theoretical terms as they relate to occlusion and orthodontics.

DENT R946 Prosthodontic Patient Presentation (.5-2 cr.) Case presentations and discussion of alternative methods of rehabilitation.

DENT R947 Orthodontics for the Mixed Dentition (1 cr.) A course designed to familiarize the student with early interceptive orthodontic treatment in the mixed dentition and early first phase of comprehensive orthodontic treatment.

DENT R948 Private Practice of Prosthodontics (.5-3 cr.) This seminar will provide guidance and resource materials that would be useful in establishing and promoting a prosthodontic practice. The diversity and similarity of prosthodontic practices will be illustrated. Field trip visits to several prosthodontic offices will be available. An effort will be made to establish a network for continuing support and exchange of ideas.

DENT R949 Advanced Head and Neck Anatomy (3 cr.) P: Previous course in gross anatomy of the head and neck. This course presents an advanced approach to cranial anatomy with special reference to those regions of particular importance to clinical dentistry. Lectures are supplemented with a human cadaver dissection.

DENT R951 Advanced Minimal and Moderate Sedation (2 cr.) Prepares students in the use of intravenous light sedation as an adjunct to a comprehensive management program for patients in the private practice setting.

DENT R955 Graduate Oral Biology I (2.5 cr.) Basic survey of oral biology, including cell biology; composition of the oral hard tissues; role of saliva in health and disease; systemic and oral microbial diseases important in dentistry; immunology; prevention of oral diseases; nutrition; and infection control.

DENT R956 Current Topics in Oral Biology (4 cr.) P: B500 and G865 or equivalents. Purpose is to familarize students with current areas of research in oral biology through a combination of lectures and literature discussions on topics covered in review articles and original research papers appearing in journals devoted to various aspects of oral biology.

DENT R957 Introduction to Research (3 cr.) P: Consent of instructor. Laboratory research instruction in oral biology. Purpose is to introduce students to three different research programs in the field of oral biology.

DENT R958 Research: Oral Biology (1-12 cr.) P: Consent of instructor. Data obtained in this course may be used to meet the dissertation requirements for the Ph.D.

DENT R959 Seminar: Oral Biology (1 cr.) P: Consent of instructor. Current topics in all fields of oral biology. Discussion and review of current literature in oral biology. Topics vary from year to year. May be repeated for credit.

DENT R960 General Practice Residency Seminar (1 cr.) This course provides the required didactic components of an accredited general practice residency. Topics in emergency care, medicine, pain and anxiety control, oral medicine, prosthetics, endodontics, pathology, and periodontics are presented throughout the year.

DENT R961 Recent Advances in Periodontics (.5-2 cr.) Discussion of current concepts and recent advances reported in the periodontal literature with emphasis on evidence-based practice. The seminar is led by students and moderated by selected faculty.

DENT R962 Advanced Periodontal Treatment Planning Seminar (.5-2 cr.) Selected cases requiring periodontal and/or implant therapy will be presented by students. Various treatment options will be discussed for the particular case. Any completed therapy will be presented with a discussion and evaluation of the results.

DENT R963 Dental Implantology (1 cr.) Study of basic and clinical sciences related to dental implantology.

DENT R964 Pharmacology and Therapeutics for Graduate Dental Students (2 cr.) This course is a review of the major drug classes that the dental graduate student will encounter in the clinic. Discussion of how the drugs the patient takes impact the practice of dentistry will be included.

Student Organizations & Services

- Associations & Societies
- Dental Library
- Diversity Support
- Financial Assistance
- Health Service
- Housing

Associations & Societies

American Student Dental Association

The local chapter of the American Student Dental Association (ASDA) is fully recognized by the American Dental Association (ADA), and membership is required of all IUSD dental students. Membership dues are included with other fees assessed by the school during the fall semester billing process. Associate membership also is available to predental students. ASDA protects and advances the rights, interests, and welfare of students pursuing careers in dentistry. Life insurance and other benefits are available to ASDA members.

Student American Dental Hygienists' Association

Dental hygiene students may join the Student American Dental Hygienists' Association, which offers experiences similar to those of ASDA.

Omicron Kappa Upsilon (OKU)

The national honor dental society, Omicron Kappa Upsilon (OKU), is represented by the component chapter of Theta Theta. Candidates are nominated from the upper one-fifth of each graduating class, with faculty voting into membership 12 percent of the class. The key, which is symbolic of the society, is awarded to each newly elected member. OKU awards several scholarships each year to students of high

character who demonstrate academic proficiency as well as potential in advancing the profession of dentistry. Modest, interest-free loans are also available to second-, third-, and fourth-year students with a documented need.

Sigma Phi Alpha

The national honor dental hygiene society, Sigma Phi Alpha, is represented by the component Theta chapter. Candidates are nominated from the upper one-fifth of each graduating class, with faculty voting into membership up to 10 percent of the class. Elected members rank highest in scholarship, service, and leadership. The key, which is symbolic of the society, is awarded to each newly elected member. Sigma Phi Alpha awards several scholarships to outstanding students each year.

National Dental Association (NDA)

Dental students may also join the student branch of the National Dental Association (NDA), the nation's largest and oldest organization for minority oral health professionals. The NDA is dedicated to providing affordable dental care, education, and guidance to underserved members of the community, including racial and ethnic minorities, children, the indigent, the elderly, and the disabled. The Student National Dental Association promotes fellowship and cooperation among its members and aids in the advancement of minority students in dentistry. It has furthered these purposes through publication of a newsletter, annual conventions, and collaborations with other national dental groups such as the American Student Dental Association. More information is available at the following Web site: www.ndaonline.org.

Hispanic Dental Association

The Hispanic Dental Association provides leadership and represents professionals who share a common commitment to improving the oral health of persons in the Hispanic community through better prevention, treatment, and education. The association's objectives include fostering research and knowledge of Hispanic oral health problems, providing a worldwide source of continuing education for oral health professionals serving the Hispanic community, stimulating interest of Hispanics in oral health, and encouraging their entry into the oral health professions. The association is open to dental professionals, dental students, and students enrolled in the allied dental programs. More information is available at the following Web site: www.hdassoc.org.

Dental Library

The mission of the Indiana University School of Dentistry Library is to provide materials and services to support the teaching, research, patient care, and community outreach activities of faculty, staff, and students. In addition, the library provides information services to IU School of Dentistry alumni, Indiana citizens, and dental health professionals around the world.

Established in 1881, the IUSD Library has over 57,000 volumes on dentistry as well as the basic sciences and selected medical specialties. It maintains subscriptions to approximately 450 professional print and 200 online journal titles. Its rich collection of over 25,000 books and 32,000 bound journal volumes, which dates back to the mid-1800s and is international in scope, makes it one of the premier dental libraries in existence. The collection is supplemented through the use of automated interlibrary loan services with libraries throughout the United States.

As part of the Indiana University Library System, the dental school library's collections are included in the systemwide Web-based catalog, IUCAT. IUCAT contains the collections of all of the IU Libraries, including the Indiana University School of Medicine Ruth Lilly Medical Library, the Ruth Lilly Law Library, and University Library, all of which are conveniently located on the IUPUI campus. These libraries maintain extensive print and electronic resource collections in subjects ranging from anthropology to zoology and in combination with the School of Dentistry Library work cooperatively to meet the information needs of faculty, staff, and students.

In addition to the IUCAT online catalog, faculty, staff, and students have access to a number of subject-specific databases and full-text electronic resources. The National Library of Medicine's MEDLINE database, which includes worldwide coverage of dental journal literature, is available in three versions. Other available databases include Cochrane Database of Systematic Reviews, Lexis-Nexis Academic Universe, Micromedex Pharmacological Database, Science Citation Index Expanded, Web of Science, WilsonWeb, and WorldCat. Full-text book and journal resources are available through services such as Books at OVID, Journals at OVID, ScienceDirect, Wiley InterScience, Harrison's Online, and Stat!Ref. The library's nine public access computer workstations provide access to library and campuswide accessible electronic resources. Wireless as well as wired connections are also available throughout the library for laptop users. Off-campus access to most databases and electronic resources is available through the IUPUI Virtual Private Network (VPN), which allows authorized users with computers in remote locations to be recognized as if they were on campus.

The library's media collection contains interactive CD-ROMs, DVDs, slides, audiocassettes, and videotapes dealing with dentistry.

The library also houses a large collection of historic materials, including an archival collection focusing on the history of the Indiana University School of Dentistry and the dentistry, dental hygiene, and dental assisting professions.

The Dental Library's Web address is www.iusd.iupui.edu/Depts/Lib.

Diversity Support

The IUSD office of the Associate Dean for Diversity, Equity, and Inclusion offers academic counseling and a wide range of other services to minority applicants and students (African American, Hispanic American, and American Indian). For more information about the services provided by this office, contact Traci Adams-Wilson, the coordinator of Student Diversity Support, (317) 274-7052 or tadams@iupui.edu.

Financial Assistance

Federal financial loans may be obtained for all educational programs on the basis of need through the IUPUI Office of Student Financial Aid Services: Campus Center 250A, 420 University Boulevard, Indianapolis, IN 46205-5145; Web site www.iupui.edu/finaid.

Health Service

Health insurance coverage is mandatory for all IUSD students. Student Health Service provides limited outpatient care on a fee-for-service basis to all full-time students at IUPUI. Outpatient care is provided by the Student Health Service during weekdays and by Wishard Memorial Hospital at night and on weekends. Emergency outpatient care is provided to students at no charge in the event of an injury occurring during performance of a training-related task within the dental school or at an associated facility.

IUSD students are required to be immunized for protection against a number of infectious diseases, and most of these immunizations must be completed before the student matriculates. Details pertaining to specific immunization requirements are sent by the School of Dentistry to all incoming students.

Housing

To request information about university housing or a housing application, write to the director of Housing and Residence Life, Indiana University–Purdue University Indianapolis, 405 Porto Alegre Street, Suite 170, Indianapolis, IN 46202-5816; or call (317) 274-7200 or (800) 631-3974. Additional information can be found at www.life.iupui.edu/housing. The dental school's Student Records and Admissions Office maintains a file containing off-campus rental information and the names of students seeking roommates.

Academic Policies & Procedures

The academic policies and procedures that follow pertain to students enrolled in the Doctor of Dental Surgery (DDS) program, although similar academic standards apply to students earning degrees in dental hygiene and certificates in dental assisting. For more information about dental hygiene and dental assisting academic policies and procedures, contact the program directors (see Contact Information).

- Attendance
- Counseling
- Dismissal
- Grades
- Incompletes
- Leave of Absence Policy
- Probation
- Promotion
- Suspension
- Withdrawals
- Certification for Graduation

Attendence

All students must attend the courses in which they are enrolled. Discipline and responsibility are fundamental to the practice of dentistry. A policy requiring attendance ensures that each student will obtain maximum exposure to available lectures and clinical and laboratory experiences. Students are expected to take advantage of each opportunity to learn as a demonstration of their responsibility to their patients and their commitment to the highest professional standards.

Students will receive five personal days per semester that they can use at their discretion to miss a day of class or clinic. When using a personal day, students must log on to the attendance data bank on the IUSD Intranet and complete the section titled Notification for Use of Personal Day. Students accept the responsibility for learning what information they missed, including course content and impending assignments, while taking a personal day. Students are not excused from any class work submitted or assigned on dates during which they used personal days. Except for medical emergencies, severe illness, death of a family member, required court appearances, or military obligations, students are prohibited from missing class on dates scheduled for any type of assessment. When confronted with any of the conditions noted above, students must present official detailed documentation to the assistant dean for student affairs, who will rule whether or not the use of a personal day is warranted.

The use of personal days to avoid specific classes or clinics or as study days prior to exams is strictly prohibited and considered an abuse of the policy. Similar to the Family and Medical Leave Act policies for employees, students must document the reason for the use of their personal days when they use four or more days consecutively. Fourth-year students in good standing can use up to 15 days of unused personal days accumulated over their first three years of study for professional development activities such as interviewing for graduate programs, private practice opportunities, externships, and professional conferences.

All abuses of the policy will be considered fraudulent behavior, and grievances will be filed with the Student Professional Conduct Committee by the assistant dean for student affairs. Cutting classes will result in the loss of a personal day, and when students miss class without using a personal day, instructors have the right to give a grade of zero (0) for any scheduled or unscheduled quiz or assignment missed by the student. Repeat offenders will be considered for suspension or dismissal.

In cases when students exhaust all five personal days in a semester and need additional days off, the assistant dean has the option of allowing students to use unearned personal days according to the following guidelines:

- Students must present official detailed documentation of an illness, legal issue, or death that requires their absence from school.
- The additional personal days will be borrowed from the upcoming year.
- The assistant dean for student affairs may grant no more than five additional days of personal time per semester.

When students use more than 15 personal days in an academic year, they may either request a leave of absence or meet with the Progress Committee, which will consider whether or not they should be promoted, retained, or dismissed.

In cases when a student exhausts 15 personal days in a semester or 20 personal days in an academic year and still needs additional days off, the student must take a leave of absence.

Counseling

Students are invited and encouraged to call upon the dean, associate deans, or any other faculty or staff member for counseling or advice. The IUSD faculty advisor program has proved effective in assisting students who experience academic and personal problems.

Dismissal

Academic dismissal will be considered by the IUSD faculty council upon a recommendation from the progress committee. Students considered for dismissal will be granted the opportunity to appear personally before the progress committee.

A distinction is intended herein between probation–earned, meaning that academic performance has caused this status to be assessed for a given semester; and probation–continued, meaning that this status was not assessed for that semester but has not been removed from a prior assessment.

Criteria for dismissal:

- Failure to comply with the policy on attendance.
- A grade of F in a combined total of 50 percent or more of the semester credit hours in which the student is enrolled.
- Multiple failures in courses, modules, and/or on comprehensive semester examinations.
- Repeated instances of a semester grade point average below 2.0.
- Cumulative grade point average below 2.00 at the conclusion of the first four semesters of the program.
- A lack of acceptable ethical or professional behavior (e.g., academic dishonesty, nonattendance to clinical duties, neglect of attention or responsibility to assigned patients).
- A lack of progress toward degree requirements as judged by the faculty.

Grades

A student's grade in each course will be determined by the combined results of examinations, classroom work, and clinical performance. The quality of the student's work will be indicated by one of the following grades: A, B, C, D, F (Failure), S (Satisfactory), P (Pass), R (Deferred), and I (Incomplete). A failure requires repetition of the course; failure of a core course (i.e., one that carries a large number of credit hours) may require repetition of the entire academic year. Plus or minus grades may be assigned by faculty members at their discretion.

Students must earn at least a 2.0 cumulative grade point average by the conclusion of their first four semesters in dental school (excluding summers) in order to continue their enrollment in the IUSD D.D.S. program.

Incompletes

A student who misses a final examination and who has had a passing grade up to that time is given a temporary grade of Incomplete if the instructor has reason to believe the absence was beyond the student's control.

If a student is not in attendance during the last several weeks of a semester, the instructor may report a grade of I (indicating the work is satisfactory at the end of the semester but has not been completed) if the instructor has reason to believe the absence was beyond the student's control; if not, the instructor shall record a grade of F. A grade of I must be removed within one year of the date of its recording, or it will automatically be changed to an F by the university registrar. A grade of I may be removed if the student completes the work within the time limit or if the dean of the School of Dentistry authorizes the change of the I to W (withdrawal from course). Students may not reenroll in a course in which they have a grade of I.

Leave of Absence Policy

1. No student may be granted a leave of absence solely because of poor academic performance.
2. All student leaves, as well as the conditions for reinstatement following such leaves, must be approved by the dean of the dental school (or the dean's designee).
3. Written certification shall be required of the appropriate person or agency confirming the need for a leave of absence and for the date concluding a leave of absence.

Similar academic standards apply to dental hygiene and dental assisting students.

Probation

Criteria for probationary status:

1. Failure of any course.
2. A semester grade point average below 2.0.
3. Failure in a module in a course in which failure does not result in a failing grade for the entire course.
4. Reenrollment following a period of suspension.
5. Unacceptable clinical progress or participation.

Promotion

No dental student shall be promoted to a succeeding semester in good standing without a minimum 2.0 overall grade point average.

Suspension

No dental student who has been suspended may be graduated with honors or receive an award at the honors ceremony.

Suspension from classes, clinics, or the entire School of Dentistry is a possible outcome of unprofessional behavior or academic misconduct. Students suspended for any period of time from any IUSD activity will be placed on probation once they have returned to school.

Withdrawals

The faculty reserves the right to request the withdrawal of students whose conduct, health, or academic performance would appear to render them unfit for the continuation of a dental education. In cases in which students discontinue attendance without officially withdrawing, the instructor shall report the grade of F.

Certification for Graduation

1. A dental student must have been enrolled for a minimum of eight separate semesters, exclusive of

summer sessions or repeated courses or semesters. The dental student must have passed (or been excused from) all required courses, including two separate semesters of the fourth-year curriculum.
2. A dental student must have achieved a minimum overall grade point average of 2.0.
3. A dental student must pass Parts I and II of the National Board Dental Examination.

Faculty

- Full-Time
- Part-Time
- Emeritus

Full-Time

Indianapolis Campus

- Adams, Brooke N., D.D.S. (Indiana University, 2005), Visiting Clinical Assistant Professor of Restorative Dentistry
- Agarwal, Parul, D.D.S. (University of Detroit Mercy, 2006), B.D.S. (Manipal University [India], 1999), Assistant Professor of Prosthodontics
- Alderson, Sheri R., B.S. (Indiana University, 1979), Clinical Lecturer in Dental Assisting
- Allerheiligen, Ted O., D.D.S. (University of Texas Health Science Center at San Antonio, 1980), Clinical Assistant Professor of Operative Dentistry; Director of Comprehensive Care Clinic
- Ando, Masatoshi, Ph.D. (Osaka Dental University [Japan], 1993), D.D.S. (Osaka Dental University, 1989), Assistant Professor of Preventive and Community Dentistry
- Babler, William J., Ph.D. (University of Michigan, 1977), Acting Chairperson of Oral Biology; Associate Professor of Oral Biology
- Baker, Christopher L., M.S. (Purdue University, 2007), Visiting Scientist, Oral Biology
- Barbosa, Fidel, D.M.D. (University of Puerto Rico, 1993), Clinical Assistant Professor of Prosthodontics
- Baumgartner, Michael P., D.D.S. (Indiana University, 1971), Clinical Assistant Professor of Pediatric Dentistry
- Bennett, Jeffrey D., D.M.D. (University of Pennsylvania, 1984), Chairperson of Oral Surgery and Hospital Dentistry; Professor of Oral and Maxillofacial Surgery
- Bissonette, P. Michelle, B.S. (Indiana University, 2006), Clinical Lecturer and Clinical Coordinator of Dental Assisting
- Blanchard, Steven B., D.D.S. (University of Michigan, 1980), Associate Professor of Periodontics; Director of Graduate Periodontics
- Brown, David T., D.D.S. (The Ohio State University, 1983), Chairperson of Restorative Dentistry; Professor of Prosthodontics; Director of Undergraduate Restorative Dentistry
- Browning, William D., D.D.S. (University of Michigan, 1974), Professor of Restorative Dentistry; Indiana Dental Association Endowed Chair in Restorative Dentistry
- Bruzzaniti, Angela, Ph.D. (University of Melbourne [Australia], 1997), Assistant Professor of Oral Biology; Adjunct Assistant Professor of Anatomy (School of Medicine)
- Capps, Patricia A., M.S. (Ball State University, 1997), Clinical Associate Professor of Dental Assisting
- Carlson, Timothy J., D.D.S. (Indiana University, 1978), Professor of Operative Dentistry; Director of Comprehensive Care Clinic
- Chin, Judith R., D.D.S. (Indiana University, 1994), Associate Professor of Pediatric Dentistry
- Cho, Sopanis D., D.D.S. (Indiana University, 2003), D.D.S. (Mahidol University [Thailand], 1996), Clinical Assistant Professor of Operative Dentistry
- Chu, Tien-Min Gabriel, Ph.D. (University of Michigan, 1999), D.D.S. (Kaohsiung Medical College [Taiwan], 1989), Associate Professor of Dental Biomaterials; Director of Dental Materials Graduate Program
- Coan, Lorinda L., M.S. (Indiana University, 2001), Clinical Assistant Professor of Dental Hygiene
- Cook, Norman Blaine, D.D.S. (University of the Pacific, 1981), Clinical Associate Professor of Operative Dentistry
- Cox, Janice E., M.S.L.S. (University of Kentucky, 1970), Librarian
- Dean, Jeffrey A., D.D.S. (Indiana University, 1983), Executive Associate Dean; Associate Dean for Academic Affairs; Ralph E. McDonald Professor of Pediatric Dentistry; Professor of Pediatric Dentistry and Orthodontics
- DeSchepper, Edward J., D.D.S. (University of Missouri, 1981), Professor of Operative Dentistry; Director of Division of Operative Dentistry, Restorative Dentistry
- Dixon, Steven E., D.D.S. (Indiana University, 1973), Clinical Assistant Professor of Operative Dentistry; Manager of Comprehensive Care Clinics; Director of Comprehensive Care Clinic
- Ferreira Zandoná, Andréa G., Ph.D. (Indiana University, 1997), D.D.S. (Pontifícia Universidade Católica do Paraná [Brazil], 1990), Associate Professor of Preventive and Community Dentistry
- Ford, Pamela T., M.S.W. (University of Southern Indiana, 2003), Clinical Assistant Professor and Director of Dental Assisting
- Galli, Dominique M., Ph.D. (Ludwig-Maximilians-Universität München [Germany], 1990), Associate Professor of Oral Biology
- Garetto, Lawrence P., Ph.D. (Boston University, 1984), Associate Dean for Dental Education; Professor of Orthodontics; Director of Teacher Training and Development (School of Dentistry); Adjunct Professor of Cellular and Integrative Physiology (School of Medicine)
- Ghoneima, Ahmed, Ph.D. (Azhar University [Egypt], 2005), Visiting Assistant Professor of Orthodontics and Oral Facial Genetics
- Goldblatt, Lawrence I., D.D.S. (Georgetown University, 1968), Professor of Oral Pathology
- Gonzalez, Theresa A., D.D.S. (Indiana University, 1994), Clinical Assistant Professor of Operative Dentistry; Director of Comprehensive Care Clinic

- Gossweiler, Ana G., D.D.S. (Indiana University, 2001), Research Associate in Preventive and Community Dentistry
- Gregory, Richard L., Ph.D. (Southern Illinois University, 1982), Professor of Oral Biology; Director of Student Research; Director of Ph.D. Program (School of Dentistry); Professor of Pathology and Laboratory Medicine (School of Medicine)
- Gregson, Karen S., Ph.D. (University of Michigan, 2001), Assistant Professor of Oral Biology
- Guba, Christianne J., D.D.S. (Indiana University, 1980), Associate Professor of Operative Dentistry; Director of Clinical Assessment and Quality Assurance
- Gushrowski, Barbara A., M.L.S. (Indiana University, 1996), Assistant Librarian
- Hara, Anderson T., Ph.D. (State University of Campinas [Brazil], 2004), D.D.S. (State University of Campinas, 1997), Assistant Professor of Preventive and Community Dentistry
- Haug, Steven P., D.D.S. (State University of New York at Stony Brook, 1984), Professor of Prosthodontics
- Hine, William C., Jr., D.D.S. (Indiana University, 1996), Clinical Assistant Professor of Hospital Dentistry; Director of General Practice Residency Program
- Hughes, Elizabeth A., M.S. (Indiana University, 2000), Clinical Associate Professor of Dental Hygiene
- Isikbay, Serkis C., D.D.S. (Indiana University, 1994), Clinical Assistant Professor of Orthodontics
- Islam, Nadim M., B.D.S. (Dr. R. Ahmed Dental College & Hospital [India]), 1989, Assistant Professor of Oral Pathology
- Jackson, Richard D., D.M.D. (University of Louisville, 1979), Associate Professor of Preventive and Community Dentistry
- John, Vanchit, D.D.S. (Indiana University, 1998), B.D.S. (Madras Dental College [India], 1987), Chairperson of Periodontics and Allied Dental Programs; Associate Professor of Periodontics
- Jones, James E., Ph.D. (Universidad Empresarial [Costa Rica], 2003), Ed.D. (Indiana University, 1993), D.M.D. (University of Louisville, 1978), Chairperson and Professor of Pediatric Dentistry
- Kasberg, Robert H., Ph.D. (Yale University, 1994), Assistant Dean for Student Affairs; Director of Admissions; Academic Specialist
- Katona, Thomas R., D.M.D. (University of Pennsylvania, 1982), Ph.D. (University of Pennsylvania, 1981), Associate Professor of Orthodontics
- Kim, Seok-Jin, D.D.S. (Indiana University, 1996), D.D.S. (Seoul National University [South Korea], 1993), Clinical Assistant Professor of Periodontics
- Kirkup, Michele L., D.D.S. (Indiana University, 2006), Clinical Assistant Professor of Prosthodontics
- Kowolik, Joan E., B.D.S. (University of Edinburgh [Scotland], 1975), Associate Professor of Pediatric Dentistry; Director of Pediatric Dental Program
- Kowolik, Michael J., Ph.D. (University of Edinburgh [Scotland], 1984), B.D.S. (University of Edinburgh, 1973), Associate Dean for Graduate Education; Professor of Periodontics; Adjunct Professor of Oral Biology and Oral Facial Genetics (School of Dentistry); Adjunct Professor of Public Health (School of Medicine)
- Krushinski, Cheryl A., D.D.S. (Indiana University, 1987), Assistant Professor of Oral Diagnosis
- Kula, Katherine S., D.M.D. (University of Kentucky, 1977), Chairperson of Orthodontics and Oral Facial Genetics; Professor of Orthodontics
- Lancaster, Henry E., Jr., D.M.D. (Washington University, 1991), Clinical Assistant Professor of Oral Medicine; Director of Comprehensive Care Clinic
- Legan, Joseph J., D.D.S. (Western Reserve University, 1959), Clinical Associate Professor of Endodontics
- Levon, John A., D.D.S. (Indiana University, 1978), Clinical Assistant Professor of Prosthodontics; Director of the Advanced Education Program in Prosthodontics
- Liu, Shih-Yao, Ph.D. (Baylor College of Dentistry, 2008), D.D.S. (Taipei Medical University [Taiwan], 1999), Assistant Professor of Orthodontics
- Leyvand, Irina L., D.D.S. (Moscow Medical Stomatological University [Russia], 1976), Clinical Assistant Professor of Problem-Based Learning
- Martínez-Mier, E. Angeles, Ph.D. (Indiana University, 2000), D.D.S. (Universidad Nacional Autónoma de México [Mexico], 1989), Associate Professor of Preventive and Community Dentistry
- Matis, Bruce A., D.D.S. (Case Western Reserve University, 1971), Professor of Operative Dentistry
- Maupomé-Carvantes, Gerardo, Ph.D. (University of London, The London Hospital Medical College and University [United Kingdom], 1991), B.D.S. (Universidad Nacional Autónoma de México, 1985), Professor of Preventive and Community Dentistry
- Moeller, Matthew C., D.D.S. (Indiana University, 1985), Clinical Assistant Professor of Operative Dentistry; Director of Comprehensive Care Clinic
- Oldham, James M., D.D.S. (Indiana University, 1983), Clinical Assistant Professor of Dental Hygiene
- Paez de Mendoza, Carmen Y., D.D.S. (Indiana University, 2000), D.D.S. (Universidad Nacional de Colombia [Colombia], 1990), Clinical Associate Professor of Prosthodontics
- Papadopoulos, Harry, M.D. (New York Medical College, 2002), D.D.S. (New York University, 1992), Clinical Associate Professor of Oral and Maxillofacial Surgery; Director of Oral and Maxillofacial Surgery Residency Program
- Paris, Peter N., D.D.S. (University of Illinois, 1987), Visiting Clinical Assistant Professor of Periodontics
- Parks, Edwin T., D.M.D. (University of Kentucky, 1981), Professor of Dental Diagnostic Sciences; Director of Radiology Clinics
- Phillips, Sally I., B.S. (Indiana University, 1981), Clinical Lecturer in Dental Hygiene
- Pinney, Neil R., D.D.S. (Indiana University, 1981), Clinical Assistant Professor of Operative Dentistry; Director of Comprehensive Care Clinic
- Platt, Jeffrey A., D.D.S. (Indiana University, 1984), Ralph W. Phillips Scholar in Dental Materials; Associate Professor of Dental Materials; Director of Division of Dental Materials, Restorative Dentistry
- Rackley, R. Hunter, Jr., M.H.E. (Medical College of Georgia, 1977), Assistant Professor of Dental Hygiene
- Reifeis, Paul E., J.D. (Indiana University, 1984), D.D.S. (Indiana University, 1978), Clinical Assistant Professor of Operative Dentistry

- Rettig, Pamela A., M.S. (University of Missouri, 1993), Clinical Associate Professor of Dental Hygiene
- Romito-Cera, Laura M., D.D.S. (The Ohio State University, 1988), Associate Professor of Oral Biology
- Sanders, Brian J., D.D.S. (University of Maryland, 1983), Professor of Pediatric Dentistry; Director of Riley Dental Clinic; Director of Graduate Pediatric Dentistry
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- Schmitt, Donald R., D.D.S. (Loma Linda University, 1972), Clinical Assistant Professor of Prosthodontics
- Schrader, Stuart M., Ph.D. (State University of New York at Buffalo, 1998), Clinical Assistant Professor of Behavioral Science
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- Singh, Amul H., D.D.S. (State University of New York, 2001), Visiting Clinical Assistant Professor of Operative Dentistry
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- Stewart, Kelton T., D.D.S. (Baylor College of Dentistry, 2006), Assistant Professor of Orthodontics
- Switalski, Lech M., Ph.D. (National Institute of Hygiene [Poland], 1977), Lecturer in Preventive and Community Dentistry
- Taskonak, Burak, Ph.D. (University of Florida, 2004), D.D.S. (Marmara Üniversitesi [Turkey], 1998), Assistant Professor of Dental Biomaterials
- Torres-Gorena, Ariadna A., L.D. (Universidad Autónoma Juan Misael Saracho [Bolivia], 2002), Assistant Professor of Orthodontics
- Treasure, Trevor E., M.D. (University of Texas, 1993), D.D.S. (University of Toronto [Canada], 1986), Clinical Assistant Professor of Oral and Maxillofacial Surgery
- Vail, Mychel M., D.D.S. (Indiana University, 1995), Clinical Assistant Professor of Operative Dentistry
- Van Dis, Margot L., D.D.S. (University of Michigan, 1980), Professor of Dental Diagnostic Sciences
- Vickery, Jeannie M., D.D.S. (Indiana University, 1976), Clinical Associate Professor of Prosthodontics
- Walker, LaQuia A., D.D.S. (University of California, 2002), Clinical Assistant Professor of Pediatric Dentistry
- Weddell, James A., D.D.S. (Indiana University, 1977), Associate Professor of Pediatric Dentistry
- West, Darlene D., D.D.S. (Indiana University, 1981), Clinical Assistant Professor of Oral and Maxillofacial Surgery
- Williams, John N., Jr., D.M.D (University of Louisville, 1980) Dean of Indiana University School of Dentistry; Professor of Preventive and Community Dentistry
- Williamson, Gail F., M.S. (Indiana University, 1982), Professor of Dental Diagnostic Sciences
- Willis, George P., D.D.S. (Indiana University, 1979), Associate Dean for Clinical Affairs; Associate Professor of Operative Dentistry
- Willis, Lisa H., D.D.S. (Indiana University, 1988), Clinical Assistant Professor of Operative Dentistry
- Windsor, L. Jack, Ph.D. (University of Alabama, 1993), Associate Professor of Oral Biology (School of Dentistry); Adjunct Associate Professor of Anatomy and Cell Biology (School of Medicine)
- Yoder, Karen Masbaum, Ph.D. (Indiana University, 1997), Professor of Preventive and Community Dentistry; Director of Division of Community Dentistry (School of Dentistry)
- Young, Nancy A., M.Ed. (Temple University, 1981), Associate Professor and Director of Dental Hygiene
- Zero, Domenick T., D.D.S. (Georgetown University, 1975), Associate Dean for Research; Chairperson and Professor of Preventive and Community Dentistry; Director of Oral Health Research Institute
- Zitterbart, Paul A., D.D.S. (Indiana University, 1977), Assistant Professor of Dental Diagnostic Sciences
- Zunt, Susan L., D.D.S. (Case Western Reserve University, 1977), Chairperson of Oral Pathology, Medicine, and Radiology; Professor of Oral Pathology

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- Adelsperger, John W., D.D.S. (Indiana University, 1997), Adjunct Assistant Professor of Oral and Maxillofacial Surgery
- Alexander, Lisa A., D.D.S. (Indiana University, 1993), Clinical Assistant Professor of Operative Dentistry
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- Alford, Timothy J., D.D.S. (Indiana University, 1982), Volunteer Clinical Assistant Professor of Orthodontics
- Alvarez, Keith A., D.D.S. (Indiana University, 1996), Clinical Assistant Professor of Operative Dentistry
- Arvin, Mandy M., B.G.S. (Indiana University, 2007), Clinical Lecturer in Dental Hygiene
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- Bailey, Joseph M., D.D.S. (Indiana University, 1986), Clinical Assistant Professor of Operative Dentistry
- Baldwin, James J., D.D.S. (Indiana University, 1954), Professor of Orthodontics
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- Barton, Douglas H., D.D.S. (Indiana University, 1969), Clinical Associate Professor of Pediatric Dentistry
- Beachy, Larry L., D.D.S. (Indiana University, 1959), Volunteer Clinical Assistant Professor of Preventive and Community Dentistry
- Bell, Carl D., D.D.S. (University of Michigan, 1965), Clinical Associate Professor of Pediatric Dentistry
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- Butler, David F., D.D.S. (Indiana University, 1982), Clinical Assistant Professor of Oral and Maxillofacial Surgery
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- McNicholl, I. Corina, D.D.S. (Indiana University, 1994), Clinical Assistant Professor of Hospital Dentistry
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- Mann, Nancy K., M.S. (Loyola University, 2000), Clinical Associate Professor of Dental Education (Fort Wayne)
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- Maxwell, Lisa L., B.S. (Indiana University, 2000), Clinical Lecturer in Dental Hygiene
- Meadows, Melinda L., M.S. (Indiana University, 2004), Clinical Assistant Professor of Pediatric Dentistry
- Mirowski, Ginat W., M.D. (Harvard University, 1990), D.M.D. (Harvard University, 1986), Associate Professor of Oral Medicine (School of Dentistry) and Dermatology (School of Medicine)
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- Newton, Carl W., D.D.S. (Indiana University, 1975), Clinical Professor of Endodontics
- Novak, Norman R., D.D.S. (Indiana University, 1968), Clinical Assistant Professor of Comprehensive Care Clinics
- Oldham, Drew F., D.D.S. (Indiana University, 1963), Clinical Associate Professor of Prosthodontics
- Pate, Phillip R., D.D.S. (Indiana University, 1968), Volunteer Clinical Assistant Professor of Pediatric Dentistry
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- Peek, Sandra E., B.S. (Bethel College, 2006), Clinical Lecturer in Dental Education (South Bend)
- Perez, Albino M., Jr., M.S.Ed. (Indiana University, 1984), Clinical Associate Professor of Dental Education (Fort Wayne)
- Pfotenhauer, David H., D.D.S. (Indiana University, 1989), Clinical Assistant Professor of Endodontics
- Phillips, Erin J., D.D.S. (Indiana University, 2002), Clinical Assistant Professor of Pediatric Dentistry
- Phillips, Gregory E., D.D.S. (Indiana University, 1984), Clinical Assistant Professor of Periodontics
- Phillips, Scott E., M.D. (Indiana University, 1990), Adjunct Assistant Professor of Oral and Maxillofacial Surgery
- Platt, Jay C., D.D.S. (Indiana University, 1986), Clinical Assistant Professor of Oral and Maxillofacial Surgery
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- Querry, Sharon A., B.S. (Indiana University, 1998), Clinical Lecturer in Dental Hygiene
- Quimby, Kristyn R., B.G.S. (Indiana University, 2003), Clinical Lecturer in Dental Education (South Bend)
- Reed, Angel J., B.S. (Indiana University, 1990), Clinical Lecturer in Dental Hygiene
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- Stewart, Tonya R., D.D.S. (Indiana University, 1994), Clinical Assistant Professor of Prosthodontics
- Stokes, Robert E., D.D.S. (Indiana University, 1972), Clinical Assistant Professor of Operative Dentistry
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- Walker, Paul O., D.D.S. (Northwestern University, 1966), Clinical Assistant Professor of Pediatric Dentistry
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- Ward, Richard E., Ph.D. (University of Colorado, 1980), Professor of Anthropology (School of Liberal Arts) and Oral Facial Genetics (School of Dentistry)
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- Wolfe, James T., D.D.S. (Indiana University, 1993), Clinical Assistant Professor of Periodontics
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- Yoder, Benjamin J., D.D.S. (Indiana University, 1996), Volunteer Clinical Assistant Professor of Preventive and Community Dentistry
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