



School of
Dentistry

Indianapolis Campus

99/2001

Bulletin

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School of Dentistry

The Indiana University School of Dentistry is a member of the American Association of Dental Schools 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. 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 of the world. 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 three-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 be attending 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.

Information concerning these programs may be obtained by writing to the appropriate address listed on the last page of this bulletin. Information also is available on the IU School of Dentistry Web site: <http://www.iusd.iupui.edu>.

This bulletin is intended to describe the opportunities available at the IU School of Dentistry and to outline the requirements for admission to and completion of its programs.

Equal Opportunity/Affirmative Action Policy

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 Affirmative Action office on each campus monitors the university's policies and assists individuals who have questions or problems related to discrimination.

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 to IU dental school alumni, the citizens of Indiana, and dental health professionals around the world.

The library has an outstanding collection of books, journals, and media in all areas of dentistry, as well as in basic sciences, higher education, computers, and selected medical specialties. Its collection of more than 25,000 books and 30,600 bound journal volumes makes it one of the premier dental libraries in existence today. Its rich collection, dating back to the mid-1800s and international in scope, is supplemented through computerized interlibrary loan connections with libraries throughout the United States. The library subscribes to nearly 600 current journals from around the world. In addition, the library has an outstanding archives collection, reflecting the history of the dentistry, dental hygiene, and dental assisting professions and the development of the Indiana University School of Dentistry.

The library is part of the Indiana University libraries system. The card catalog is fully automated and includes the holdings of all the IU libraries, including the Ruth Lilly Medical Library, the School of Law—Indianapolis Library, and the University Library, all conveniently located on the IUPUI campus. These three libraries have strong collections in subjects ranging from anthropology to zoology and, in combination with the School of Dentistry Library, should meet most information needs. A borrower's card from the School of Dentistry Library extends check-out privileges to these libraries.

In addition to its card catalog, the dental school library provides access to a wealth of computerized databases. The MEDLINE database, which includes worldwide coverage of the dental journals, is available in two versions, with increasingly greater availability of full text. The library also has access to a general academic database and a health database, with considerable full-text materials, and a variety of educational and general interest databases. These databases can be accessed through any of the library's computers or from home or office through the library's Web site.

The Dental Library URL is <http://www.iupui.edu/it/dentlib/home.html>.

The Web site also includes a lecture and quiz on using the Internet to find dental information, links to other dental Web sites, and a link to the library's archives.

Dental Clinics

Clinical facilities in the School of Dentistry are excellent, and patients are drawn from a population area of some one 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.

Living Facilities

Single and married students from all Indianapolis-based IU schools and divisions are eligible to apply for accommodations located on the IUPUI campus. Limited numbers of efficiency and one-bedroom apartments, unfurnished and furnished, are available. Applications should be filed as early as possible, since there is always a waiting list.

Inquiries concerning university housing and requests for applications should be addressed to the Director of Campus Housing, Indiana University–Purdue University Indianapolis, Ball Residence Hall, 1226 West Michigan Street, Indianapolis, IN 46202-5179. The dental school's Office of Records and Admissions maintains a file containing off-campus rental information. Additional information is available at the following URL: <http://www.iusd.iupui.edu/~www/studaffr/studhous.html>.

Student Health Service

Health insurance coverage is mandatory for all students at the School of Dentistry. The Student Health Service provides outpatient care on a fee-for-service basis to all full-time students at Indiana University–Purdue University Indianapolis. 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.

Indiana University students who pursue studies in health care fields 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. Consult the following URL for additional information: <http://www.iupui.edu/home/health.html>.

Tuition 1999–2000

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

	Indiana Resident (Per Year)	Nonresident (Per Year)
Dentistry—Predoctoral ¹	\$12,190.00	\$26,107.80
Dentistry—Postdoctoral ¹	12,190.00	26,107.80
Dental Hygiene—First Year	3,317.60	10,324.00
Dental Hygiene—Second Year	2,974.40	9,256.00
Dental Assisting	3,660.80	11,392.00
IU Admission Application ²	35.00	35.00

Summer Session

Predoctoral—First Year	315.20	909.30
—Second Year	315.20	909.30
—Third Year	630.40	1,818.60
—Fourth Year*		
Dental Hygiene (including Technology Fee)	612.17	1,820.17

*Dental students who wish to use the dental school clinics and laboratories from the beginning of the summer session following their fourth year until the state dental board examination may do so at the cost of one credit hour. Fourth-year dental students who have not completed their graduation requirements by graduation day but wish to continue in the program are required to pay a flat fee for a full summer session at the current tuition rate for that year (e.g., summer session 1999: \$1,891.20 residents, \$5,455.80 nonresidents).

Textbook, Instrument, and Uniform Fees³

	First Year	Second Year	Third Year	Fourth Year
Dental Student Textbooks	\$1,825.00	\$1,110.00	\$600.00	—
Dental Student Instruments ⁴	6,156.30	6,619.66	2,198.00	2,198.00
Dental Student Microscope Rental	62.50	62.50	—	—
Dental Student Laptop Computer	2,600.00	—	—	—
Dental Student Activity Fee	120.60	120.60	120.60	120.60
Dental Hygiene Textbooks	950.00	400.00		
Dental Hygiene Instruments, Uniforms ⁴	1,247.00	982.00		
Dental Hygiene Technology/Laboratory Fees	192.11	160.70		
Dental Hygiene Activity Fee	120.60	120.60		
Dental Assisting Textbooks	600.00			
Dental Assisting Instruments, Uniforms ⁴	756.75			
Dental Assisting Technology Fee	160.70			
Dental Assisting Activity Fee	67.30			
Dental Assisting Miscellaneous Fees	208.30			

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, Cavanaugh Hall. The URL is <http://www.iusd.iupui.edu/~www/studaffr/FPfinfaq.html>.

¹Advance payment of \$500 is required after a student has been accepted (\$1,000 for graduate orthodontic students). This advance payment is nonrefundable, but it is applicable toward tuition fees.

²This fee is paid only once, is nonrefundable, and is not applied to other fees. A student applying for admission to the School of Dentistry who has never attended Indiana University as a regularly admitted student (on any IU campus) will be required to pay this fee. The foreign admission application fee is \$55 (U.S. dollars in check or money order).

³The additional expenses listed here are approximate figures.

⁴This includes purchase and rental costs.

Dental Associations and Societies

The local chapter of the American Student Dental Association (ASDA) is fully recognized by the American Dental Association (ADA), and membership is open to all students in the School of Dentistry. Associate membership also is available to predental students. ASDA's function is to consider problems incident to the student's approaching graduate experiences, based on the principles established for the guidance and government of the ADA. Life insurance and other benefits are available to ASDA members. Additional information about dental associations and societies can be found at <http://www.iusd.iupui.edu/~www/studaffr/studorg.html>.

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

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.

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.

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

Admission Requirements

Predental Counseling Students who want to discuss their academic programs should arrange appointments with predental advisers on their own campus. Interested students may also write or call the dental school's Office of Records and Admissions in Indianapolis (see the last page of this bulletin).

Application Procedure Students matriculate in dental school each July. Candidates should make formal application approximately a year before they wish to be admitted to the School of Dentistry. Application deadline is January 1, but the deadline is subject to change from year to year.

American Association of Dental Schools Application Service (AADSAS) applications can be obtained from the dental school's Office of Records and Admissions. Applicants may also use the following Web site to apply: <http://www.aads.jhu.edu>.

Applicants will also be required to take the Dental Admission Test (DAT). Applicants must take the DAT before an interview will be granted. The DAT can be taken nearly any day of the year at Sylvan Technology Centers throughout the country. Students are further advised to take this test only after completing the required chemistry and biology courses. Questions regarding interpretation of scores may be referred to the dental school's Office of Records and Admissions.

Details concerning the DAT may be obtained by contacting the dental school's Office of Records and Admissions or by writing the American Dental Association, 211 East Chicago Avenue, Chicago, IL 60611.

Selected applicants will be invited to the school for a personal interview.

Selection criteria include, but are not limited to, overall grade point average, science grade point average, DAT scores, interviews, recommendations, years and 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.

Bachelor's/Doctoral Combined Degree Program Students admitted to the School of Dentistry after having completed 90 credit 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 program is offered at many undergraduate institutions across the nation. Students who are interested in this type of program should consult their predental adviser.

Predental Requirements Most students accepted by the Indiana University School of Dentistry have attained 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. Details of courses offered in the various accredited colleges may vary, so the courses should be carefully considered when a program is planned, particularly in the field of science. All required science courses, except biochemistry, must include laboratories. It is advisable to include extra work in the areas of biology and chemistry.

It is recommended that students complete the general chemistry, organic chemistry, and biology requirements in the first two years because there are questions over these areas on the Dental Admission Test, which is usually taken in the junior year. Students are then advised to take physics in the third year.

Applicants should have minimum science and cumulative grade point averages of 2.6 (residents)/2.8 (nonresidents) on a 4.0 scale. DAT scores should be average or above.

For admission to the School of Dentistry, the applicant must have earned a minimum of 90 semester (or 135 quarter) hours by the time of matriculation. No more than 60 semester 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
- Physiology, with laboratory

Three semester hours or 4.5 quarter hours of biochemistry lecture

One semester or one quarter (minimum of 2 semester hours/3 quarter hours) of each of the following:

- Introductory psychology
- English composition
- Interpersonal communication (or public speaking, if interpersonal communication is not available)

Courses in molecular biology, genetics, solid art, business administration or personal finance, histology, and medical terminology are strongly recommended but not required. It is recommended that all incoming dental students be familiar with computer usage.

The URL for admissions information is

<http://www.iusd.iupui.edu:80/~www/studaffr/ADMISSIONS.html>.

Academic Information

For a full discussion of professional behavior, academic conduct, and progress toward graduation, see the *Indiana University School of Dentistry Student Handbook* and *DDS Program Handbook*. Additional information is available at <http://www.iusd.iupui.edu:80/~www/stdntserv/handbook/index.html>.

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.

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 D.D.S. program at Indiana University School of Dentistry.

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.

Counseling Students are invited and encouraged to call upon the dean, associate deans, or any other faculty or staff member for counseling or advice. A faculty adviser program has been developed and has proven effective in assisting students who experience academic and personal problems. For more information: <http://www.iupui.edu/home/counsel.html>.

Attendance 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 the lectures and the clinical and laboratory experiences available in the curriculum. 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.

Individual departments establish attendance requirements for their classes and clinics and acquaint the students with those requirements through course outlines and statements of objectives. Mechanisms are provided for taking class attendance, and absenteeism is reflected in semester grades and clinic privileges. Repeated abuse of attendance policies may be taken into consideration by the semester promotion committees.

Students are expected to be prompt for all patient appointments. If cancellation or delay of an appointment is unavoidable, the student must notify the patient or the assigned clinic.

Probation

Criteria for probationary status:

1. Failure of any course.
2. A semester grade point average below 2.0.
3. A combined total of 30 percent or more of the enrolled credit hours (excluding those taken Pass/Fail or audit) graded as D-, D, or D+.
4. Failure in a module in a course in which failure does not result in a failing grade for the entire course.
5. Reenrollment following a period of suspension.
6. Unacceptable clinical progress or participation.
7. Unacceptable ethical or professional behavior.

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

Criteria for suspension:

Any student will be suspended who is found guilty of unacceptable academic and/or professional behavior and/or ethics.

Dismissal Academic dismissal will be considered by the dental school faculty council upon a recommendation from a promotions or progress committee. Students to be considered for dismissal will be granted the opportunity to appear personally before the appropriate promotions or 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:

1. Failure to comply with the policy on attendance.
2. A grade of F in a combined total of 50 percent or more of the semester credit hours in which the student is enrolled.
3. Failure in a course, module and/or comprehensive semester examination.
4. Repeated instances of earning a semester grade point average below 2.0.
5. Cumulative grade point average below 2.0 at the conclusion of the first four semesters of the program.
6. A lack of acceptable ethical or professional behavior (e.g., academic dishonesty, nonattendance to clinical duties, neglect of attention or responsibility to assigned patients).
7. A lack of progress toward the degree requirements in the judgment of the faculty.

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

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. Transfer dental students and dental students with advanced standing may be given credit for equivalent enrollment in other schools.
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.

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.

D.D.S. Courses, 1999–2000

(The Doctor of Dental Surgery degree program is in the final stages of a complete revision of the four-year curriculum. Courses for the first-, second-, and third-year dental students have been finalized and are described below.

Courses listed under "Fourth-Year Curriculum" are being offered for the final time during the 1999-2000 academic year. New course listings for that class were not available at press time. For more information about the fourth-year courses, contact the dental school's Office of Records and Admissions.)

The letter before the course number indicates field of study or category. The figures given in parentheses with "cr." indicate credit hours.

First-Year Curriculum

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.

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.

T540 Dental Sciences I, Part I (7 cr.) Introduces the student to normal morphologic and physiologic characteristics of the dentofacial 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.

T541 Dental Sciences I, Part II (9 cr.) Builds on the skills and knowledge learned in 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.

T542 Dental Sciences I, Part III (1.5-3 cr.) Provides student an opportunity to observe clinical dentistry, to identify associated

learning issues and research information, and to expand knowledge on learning issue(s) of choice.

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.

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.

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

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.

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.

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.

T651 Systems Approach to Biomedical Sciences II (5-10 cr.) Part II of a two-semester course 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 throughout.

T661 Oral Disease and Diagnosis I (7.5-10 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.

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.

Third-Year Curriculum

T720 Dental Sciences III, Part I (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 basic periodontal surgery, pediatric public health, and restorative dentistry topics. Prerequisite for subsequent Dental Sciences courses and modules.

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.

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.

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.

T797-T798 Comprehensive Care Clinic 3rd Year (2-2 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

D800 Clinical Procedures (3 cr.) Summer session clinic.

D802 Jurisprudence Lecture (1 cr.) Cases in elementary law; contracts and torts as applied to dental practice and professional relationships, duties and liabilities, malpractice, and statutes governing dental practice.

D818-D828 Fixed Partial Prosthodontics Clinic (2-2.5 cr.) Clinical instruction and practice in fixed partial prosthodontics with experience in diagnosis, treatment planning, occlusal analysis, tooth preparation, prosthesis design and fabrication, laboratory work authorization, evaluation, adjustment, placement and postplacement care. The use of full veneer, partial veneer, and metal-ceramic restorations is emphasized.

D826-D827 Current Concepts Lecture (2-2 cr.) Lectures on current concepts from the various disciplines in dentistry.

D829-D830 Operative Dentistry Clinic (2.5-2.5 cr.) Advanced restorative dentistry principles and procedures with integration of applied dental materials.

D837 Cardiopulmonary Resuscitation Review and Laboratory (1 cr.) Review of anatomy and physiology of the heart and lungs, conditions that may predispose one to cardiovascular disease, and means of modifying risk factors. Demonstration and practice of CPR psychomotor skills on adult- and child-sized manikins. Techniques for managing obstructed airways. Practical examination required for certification.

D840 Diagnostic Sciences Clinic (1 cr.)

Students refine skills in radiographic technique, radiographic interpretation, oral diagnosis, and treatment planning. Additionally, students apply these skills in the Emergency Clinic.

D842 Diagnostic Sciences Clinic (.5 cr.)

Students complete their clinical requirements in radiology and oral diagnosis, and attend assigned rotations in the Emergency Clinic.

D853-D855 Oral and Maxillofacial Surgery Clinic (.5-.5 cr.)

Students refine their skills by performing a variety of minor dentoalveolar surgical procedures.

D854 Periodontics Clinic (1 cr.)

Clinical treatment of more advanced periodontal disease. Emphasis on examination, diagnosis, treatment planning, nonsurgical and surgical procedures, reevaluation, and maintenance. Developing proficiency on instrumentation and in patient management.

D856 Periodontics Clinic (1 cr.) Review of current concepts and principles taught in preceding semesters. Continued emphasis on examination, diagnosis, treatment planning, nonsurgical and surgical procedures. Evaluation of successful therapy and maintenance of treated patient.

D861 Pediatric Dentistry Technique (.5 cr.) Selected restorative and space management technical procedures in pediatric dentistry.

D867 Pediatric Dentistry Clinic (2 cr.) Clinical assignment in practice of dentistry for children.

D868-D869 Complete Denture Clinic (1-1 cr.) Clinical practice, including diagnosis, treatment planning, and patient treatment in prosthetic procedures.

D870 Predoctoral Orthodontics Clinical Experience (.5 cr.) The goals are to teach the differences between major and minor orthodontic care and provide experience in minor procedures such as uprighting abutments, space maintenance, crossbites, and other preventive therapy well-suited for general practitioners.

D873 Predoctoral Hospital Experience (1 cr.) Each fourth-year student is assigned for approximately one week to gain experience with medical and dental emergencies and treatment. Students will be assigned either the fall or spring semester to Riley, Long, Regenstrief, and Wishard Hospitals.

D876-D877 Intramural Program Electives (1-1 cr.) Many intramural courses, largely clinically oriented, are available from which students must select experiences to enhance their dental education and improve their clinical skills.

D880-D881 Endodontics Clinic (.5-.5 cr.) Continuation of D780 and special clinic assignments for the diagnosis and treatment of symptomatic pulpally and periapically involved teeth.

D896 Removable Partial Prosthodontics Clinic (2 cr.) Clinical instruction and practice in removable partial denture prosthodontics with experience in diagnosis, treatment planning, survey analysis, mouth preparation, prosthesis design and fabrication, laboratory work authorization, evaluation, adjustment, placement, and postplacement care.

D897-D898 Comprehensive Care Clinic 4th Year (2-2 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 experience.

Extramural Programs

D850 Students are required to devote one week to this experience. Students may select from the following experiences: (1) private dental office, (2) state institutions, (3) community health centers, and (4) hospital dental programs.

Special Clinics

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

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.

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.

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.

Allied Dental Programs

Dean and Professor Goldblatt

Chairperson of Periodontics and Allied Dental Programs and Professor Hancock

Dental Hygiene

Director and Associate Professor Oldsen

Associate Dean and Professor J. McDonald

Professors Olson, Williamson

Clinical Professor Mallatt

Associate Professors Larsen, Summerlin, Zunt

Clinical Associate Professors Hazelrigg, Vandersall

Assistant Professors Rackley, Spear, Wohlford, Young

Clinical Assistant Professors Niemann, Rettig

Instructors R. Brady, Corne, Eccles, Fabiani, Grannan, Hayes, Helms, Hinshaw, Hughes, Kantz, Lazard, J. Oldham, Perkins, Pinckert, Reed, W. Smith

Lecturers Capps, Coan

Clinical Lecturers Meadows, S. Phillips, Rehmel

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.

Associate of Science Degree

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.

The program prepares the graduate to:

1. master and apply knowledge of the basic, social, and dental sciences to all aspects of patient care delivery and comprehensive health care programs;
2. deliver quality comprehensive dental hygiene services to patients within a variety of health delivery systems;
3. communicate effectively with other health care professionals in coordination and provision of care;
4. become effective communicators and advocates of oral health and disease prevention to achieve positive behavior changes in the population;
5. initiate, design, implement, and evaluate community dental health care programs;
6. employ problem-solving and decision-making skills to provide dental health services for community-based programs;
7. develop skills in evaluating research relevant to dental hygiene practice;
8. be aware of and responsive to changes in dental health care; and
9. qualify for and seek admission to bachelor's-level programs.

Admission Requirements

Required prerequisite courses may be taken at any accredited college or university. They include one semester each of English composition, chemistry with laboratory, human anatomy, human physiology, psychology, sociology, and public speaking, and two semester courses in arts and humanities. To learn which is the appropriate chemistry course, contact the Office of Records and Admissions at the School of Dentistry. Remedial courses may not be used to fulfill this requirement. All applicants must maintain a minimum grade point average of 2.0 (on a 4.0 scale) to be considered for admission to the program, and applicants must earn a minimum 2.0 grade point average in the prerequisite science courses (inorganic chemistry, human anatomy, and human physiology). 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. In addition, all required courses are to be completed by June of the year in which the applicant wishes to enter the program.

A personal interview with members of the dental hygiene admissions committee is scheduled for all applicants with a grade point average of 2.5 or above.

All applications and supporting materials are to be submitted by February 1. Applications to the program may be obtained by contacting the dental school's Office of Records and Admissions. Applications to programs at other IU campuses should be directed to those programs. (See the last page of this bulletin for the dental school's mailing address and a list of dental hygiene programs offered on other campuses.)

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

PRE DENTAL HYGIENE

First Semester

English Composition
Sociology
Arts and Humanities
Chemistry with Laboratory
Human Anatomy

Second Semester

Arts and Humanities
Public Speaking
Psychology
Human Physiology

DENTAL HYGIENE (FIRST YEAR)

First Semester

H204 Periodontics
H206 General Pathology I
H214 Oral Anatomy
H216 Chemistry and Nutrition
H218 Fundamentals of Dental Hygiene
H224 Oral Histology and Embryology
H303 Radiology

Total Credit Hours: 14

Second Semester

H205 Medical and Dental Emergencies
H207 General Pathology II
J210 Microbiology and Immunology¹
H215 Pharmacology and Therapeutics
H219 Clinical Practice I
H242 Introduction to Dentistry
H308 Dental Materials

Total Credit Hours: 14

DENTAL HYGIENE (SUMMER SESSION)

H221 Clinical Dental Hygiene Procedures
H305 Radiology Clinic I
H321 Periodontics

Total Credit Hours: 5

DENTAL HYGIENE (SECOND YEAR)

First Semester

H217 Preventive Dentistry
H301 Clinical Practice II
H304 Oral Pathology
H306 Radiology Clinic II
H311 Dental Health Education
E351 Advanced Dental Materials for Dental

Auxiliaries

Total Credit Hours: 15

Second Semester

H302 Clinical Practice III
H307 Radiology Clinic III
H344 Senior Hygiene Seminar
H347 Community Dental Health

Total Credit Hours: 12

¹Students will find a description of J210 in the IU School of Medicine Bulletin.

Courses for the Associate of Science Degree

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.

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.

H206-H207 General Pathology I and II (1-1 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.

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.

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

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

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.

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.

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.

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

H224 Oral Histology and Embryology (1 cr.) Histological aspects of the tooth and

periodontium; embryologic development of the face and neck.

H242 Introduction to Dentistry (1 cr.) An overview of the specialties of dentistry with specific lectures on management of the child patient, cavity classification and nomenclature, the space maintenance concept, patient motivation, and auxiliary involvement with the geriatric patient.

H301-H302 Clinical Practice II-III (5-5 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.

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

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

H305-H306-H307 Radiology Clinic I-II-III (1-1-1 cr.) Clinical application of intraoral and extraoral radiographs.

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

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.

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

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.

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

E351 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 Degree

The Bachelor of Science degree 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.

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.

Admission Requirements

Prerequisites to the public health dental hygiene program include completion of 90 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. 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. Application deadline is April 1. Applications received after April 1 will be considered on a space-available basis.

Students in the public health dental hygiene program must complete a total of 32 semester hours of course work, including five courses composing the required core curriculum. In addition to the core courses, students must complete 9 semesters hours of electives in behavioral sciences, education, or basic sciences. Additional elective courses complete the 32 semester hour requirement.

Core Courses for the Bachelor of Science Degree

Choice of **301 Elementary Statistical Methods (3 cr.)** or **B305 Statistics (3 cr.)**

301: 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.

B305: P: B104 Psychology as a Social Science or B105 Psychology as a Biological Science and 3 credits of math that carry School of Science credit. Fall, spring, summer. Introduction to basic statistical concepts; descriptive statistics and inferential statistics.

Z477 Teaching Methodology in Health Sciences Education (3-5 cr.) Teaching methods and techniques, choices of material and equipment with emphasis on evaluation.

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.

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

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.

Dental Assisting

Director and Assistant Professor Spencer

Associate Dean and Professor C. Miller

Professor Williamson

Assistant Professors Wohlford, Zitterbart

Clinical Assistant Professors Moeller, Niemann

Lecturer Capps

Clinical Lecturer Beard

Instructor Stump

The dental assisting certificate program covers one academic year (two semesters) and includes approximately 1,000 hours of lecture, laboratory, and clinical instruction. In addition to 17 mandatory courses in the core curriculum, an elective course in expanded restorative functions is offered in the summer session immediately following the academic year.

The program prepares the graduate to:

1. integrate knowledge of the basic, social, and dental sciences in assessing and performing dental assisting procedures;
2. assist the dentist in the comprehensive treatment and education of patients, serving as an integral part of the dental health care team;
3. perform a full range of dental assisting functions in a variety of dental practice settings;
4. employ decision-making and communication skills in providing educational and health care services to special population groups in the community; and
5. establish learning habits that will lead to the graduate's lifelong pursuit of knowledge through continuing education and other relevant sources of information.

Admission Requirements

Candidates for admission to the program must be high school graduates with a minimum grade point average of 2.5 (on a 4.0 scale) or the GED equivalent. They must submit scores for the Scholastic Aptitude Test (SAT) or the American College Test (ACT), a transcript of high school credits, and any credits received above this level. High school courses in biology and chemistry are strongly recommended. Students who successfully complete the program are eligible to take the Dental Assisting National Board Examination.

Applications for the Indianapolis program may be obtained by contacting the dental school's director of dental assisting (see address on the last page of this bulletin). The completed form must be returned by June 15. Applications received after June 15 will be considered on a space-available basis.

Addresses for IU's other dental assisting programs are listed on the last page of this bulletin.

Dental Assisting Core Curriculum—One Year

Course

Number

Course Title

A110	Oral Histology and Embryology
A111	Oral Pathology, Physiology, and Anatomy
A112	Dental and Medical Emergencies and Therapeutics
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
A161	Behavioral Science
A162	Oral and Written Communication
A171	Clinical Science I
A172	Clinical Science II
A182	Practice Management, Ethics, and Jurisprudence
H242	Introduction to Dentistry

Total Credit Hours: 32

Summer (elective)

A190	Expanded Restorative Functions (4 cr.)
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Courses for the Dental Assisting Certificate Program

A110 Oral Histology and Embryology (1 cr.)

Histological aspects of the tooth and periodontium: embryologic development of the face and neck.

A111-A113 Oral Pathology, Physiology, Anatomy I-II (2-2 cr.) An overview of the structures, functions, and diseases of the human body, including basic cells, tissues, organs, and organ systems, with specific emphasis on diseases of the face and mouth.

A112 Dental and Medical Emergencies and Therapeutics (2 cr.) A course including recognition and clinical experience of systemic emergencies. Comprehensive study of the physiological, toxicological, and therapeutic effects of drugs on living organisms, with emphasis on their rational application in the treatment of disease. Content includes discussions of drugs that are widely prescribed by physicians and dentists.

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.

A121 Microbiology and Asepsis Technique (1 cr.) An overview of microbiological aspects of health and disease with emphasis on sterile procedures and disinfection techniques.

A131-A132 Dental Materials I-II (2-2 cr.) A course designed to acquaint the student with the basic mechanical, physical, and chemical properties of dental materials and the effect of manipulation procedures on these properties. The exact role of properties in the usage and clinical behavior of materials is stressed. Also, certain biological considerations are covered.

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.

A151-A152 Radiology Clinic I-II (1-1 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.

A161 Behavioral Science (1 cr.) An introduction to psychology applicable in the dental office, emphasizing communication and personal relationships; the role of the dental assistant as seen by the dentist, auxiliaries, and patient. Attitude, personality, motivation, and habit formation are discussed from a dental perspective.

A162 Oral and Written 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, and professional articles for publication.

A171 Clinical Science I (4 cr.) A core course in dental nomenclature; historical developments in dentistry; role of assistant as member of dental health team; dental specialties; charting the mouth; identification and utilization of instruments and equipment; principles of dental procedures and instrument transfer.

A172 Clinical Science II (3 cr.) Clinical chairside experience in extramural assignments with a seminar to provide opportunities for students to share experiences.

A182 Practice Management, Ethics, and Jurisprudence (2 cr.) Dental practice management in reception procedures, appointment control, and clinical and financial records; purchasing and inventory control. Study of the legal and ethical aspects of dentistry.

A190 Expanded Restorative Functions (4 cr.) Laboratory and clinical course in the techniques for rubber dam application; study model impressions; matrix placement; placement and removal of treatment restorations; placement, carving, and finishing of amalgam restorations; placement and finishing of resin, composite, and silicate restorations.

H242 Introduction to Dentistry (1 cr.) An overview of the specialties of dentistry with specific lectures on management of the child patient, cavity classification and nomenclature, the space maintenance concept, patient motivation, and auxiliary involvement with the geriatric patient.

Graduate Work in Dentistry

Dean and Professor Goldblatt

Associate Dean for Research and Graduate Education and Professor C. Miller

Associate Deans and Professors J. McDonald, Stookey, Van Dis

Professors Emeriti Bixler, Henderson, M. R. Lund, Shanks, Swartz

Professors Andres, Avery, Chaves, Christen, Cochran, Gillette, Hancock, Hartsfield, Kafrawy, Lantz, LeBlanc, B. K. Moore, Olson, Oshida, Roberts, Tomich

Associate Professors Arens, Baldwin, C. Brown, D. Brown, Carlson, Dean, Garetto, Gregory, Hathaway, Hohlt, Hovijitra, R. Jones, Katona, Matis, Newell, Sanders, Schaaf, C. Smith, Spolnik, Summerlin, Weddell, Zunt

Assistant Professor Everett

Advisory Faculty Professor Emeritus Swenson

Adjunct Professor Hock

Senior Scientist Dunipace

Visiting Associate Scientist Switalski

Advisory Faculty Assistant Professor Watson

All of the School of Dentistry's individual graduate programs begin during the first week of July.

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.

For several graduate programs at the School of Dentistry, students may register in IU's University Graduate School and work toward the M.S. or Ph.D. degree. (See the following section titled "Major Fields of Graduate 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 education.

Major Fields of Graduate 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 programs are included in the information packets that are sent to applicants by the dental school's Office of Records and Admissions (see the address on the last page of this bulletin).

M.S.D. and M.S. degrees are awarded in the following subjects:

Dental Diagnostic Sciences

(Oral Diagnosis/Oral Medicine/Oral Radiology)

Minor concentration: oral pathology

Dental Materials

Minor concentration: operative dentistry or prosthodontics (for M.S.D. degree); chemistry, material science engineering, or mechanical engineering (for M.S. degree)

Orthodontics

Minor concentration: speech pathology, dental materials, oral pathology, dental education, life sciences, or a basic medical science

Preventive Dentistry

Minor concentration: dental materials, operative dentistry, dental diagnostic sciences, oral pathology, or periodontics

M.S.D. degrees also are awarded in the following subjects:

Endodontics

Minor concentration: oral pathology

Operative Dentistry

Minor concentration: dental materials, preventive dentistry, or education

Oral and Maxillofacial Surgery

Minor concentration: oral pathology

Pediatric Dentistry

Minor concentration: child psychology, dental materials, education, genetics, oral pathology, preventive dentistry, radiology, or speech pathology

Periodontics

Minor concentration: oral pathology

Prosthodontics

The following four clinical tracks are offered in the graduate prosthodontic curriculum: (1) emphasis on fixed prosthodontics; (2) emphasis on removable prosthodontics; (3) emphasis on maxillofacial prosthetics; and (4) equal emphasis on all areas of prosthodontics. The didactic requirements for each track are essentially the same. Differences in tracks involve clinical requirements and elective course work.)

Minor concentration: dental materials

A Ph.D. degree is awarded in the following subject:

Dental Sciences

Minor concentration: biology, chemistry, biochemistry, medical genetics, microbiology/immunology, pharmacology, physiology, or life sciences

Admission Requirements

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, which can be obtained from the School of Dentistry's Office of Records and Admissions (see the address on the last page of this bulletin), must be accompanied by transcripts of undergraduate and professional 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.

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 (PASS¹) and the Postdoctoral Dental Matching Program (Match²), 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 2000–2001 academic year, two IU graduate programs are participating in both PASS and Match: pediatric dentistry, and oral and maxillofacial surgery. The orthodontic graduate program is participating in Match, and the prosthodontic graduate program is participating in PASS. Candidates should contact the dental school's Office of Records and Admissions or the appropriate program director to obtain more information about application deadlines, national application services, and other details related to the application process.

¹Postdoctoral Application Support Service (PASS), offered by the American Association of Dental Schools, 1625 Massachusetts Avenue N.W., Washington, D.C. 20036-2212; telephone (202) 332-8790

²Postdoctoral Dental Matching Program (Match), offered by the National Matching Services, Suite 301, Box 29, 595 Bay Street, Toronto, Ontario M5G 2C2, Canada; telephone (416) 977-3431; URL www.natmatch.com/dentres

Faculty Advisory/Research Committees for M.S. and M.S.D. Degrees in the School of Dentistry

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 graduate dental 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. Following successful completion of the qualifying examination, the student will be permitted to complete the thesis 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 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 graduate dental 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 dental faculty who are best qualified to assist the student in conducting the thesis research. The research committee is responsible for supervising the research, guiding the preparation of the thesis, and conducting and approving the thesis 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. and Ph.D. degrees are outlined in the Indiana University Graduate School Bulletin. Requirements for the M.S.D. 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.

Core Courses for All Students 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 Biostatistics, G948 Advanced Radiology, and 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 research, defense of the thesis, 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.

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.

In the event the course work cannot be revalidated or the thesis 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.)

Thesis The student must submit typed drafts of the thesis to the members of the faculty committee at least two weeks prior to the thesis examination. Upon acceptance by the faculty committee, the student must deliver to the graduate office four unbound final copies of the thesis, an acceptance sheet signed by the committee, a 500-word abstract, and a vita sheet.

Tuition/Fees Postdoctoral students enrolled in two-year programs are charged a flat rate for tuition. Tuition is estimated as follows:

1999–2000

In-state residents—\$12,190.00 per year*

Nonresidents—\$26,107.80 per year*

For non-Ph.D. programs lasting more than two years, students in years three and above are charged at a credit hour rate. Ph.D. students are charged a credit hour rate throughout the entire course of study. Credit hour rates for the 1999–2000 academic year are as follows:

In-state residents—\$157.60 per credit hour*

Nonresidents—\$454.65 per credit hour*

Graduate students who are enrolled in hospital-based programs are charged in-state rates regardless of their state residence.

An advance payment of \$500 (\$1,000 for orthodontics) in U.S. dollars is required after a student has been accepted. This fee is nonrefundable, but it is applicable toward tuition fees.

*Tuition and fees are subject to change upon approval by the Trustees of Indiana University.

Instrument Charges Currently, graduate students in the clinical courses are required to purchase instruments and/or pay a rental fee. Listed below are the approximate charges for dental instruments and expendable materials:

1999-2000

Endodontics

Rental fee, \$2,198 per calendar year

Operative Dentistry

Instruments, \$2,307.55

Rental fee, \$2,198 per calendar year

Orthodontics

Instruments and Computer, \$4,507.05

Rental fee, \$2,198 per calendar year

Periodontics

Instruments, \$941.95

Rental fee, \$2,198 per calendar year

Prosthodontics

Instruments, \$9,323.15

Rental fee, \$2,198 per calendar year

Postgraduate Study in Dentistry

A student who wishes to take graduate courses in dentistry but does not plan to work toward an advanced degree, or who is not eligible to enter a graduate dental program, may take certain courses as a postgraduate student. In such instances the student pays regular graduate fees for these courses. All grades earned will be recorded in the dental school's Office of Records and Admissions and will appear on official university transcripts. In general, the didactic and clinical requirements for a certificate in one of the specialties of dentistry recognized by the American Dental Association are outlined in the published guidelines of the Council on Dental Education. However, the student should consult the director of the program for specific details regarding requirements. A certificate of attendance may be issued upon completion of requirements prescribed by the department.

Hospital residency programs are offered in maxillofacial prosthetics (two or three years), oral and maxillofacial surgery (four years), and pediatric dentistry (two years). Information about these programs may be obtained from the dental school's Office of Records and Admissions.

Graduate Courses, 1999–2000¹

C607 General Pathology (1-5 cr.) Broad fields of disease; inflammation and infection; study of material in classroom and at autopsy; disease related to anatomic systems correlated with clinical subjects.

G900 Advanced Oral Histology and Embryology (2 cr.) Normal structures of oral cavity, their growth and development; microscopic study of tissues.

G903 Histologic Technique (1 cr.) Theoretical and practical preparation of tissue for microscopic study and application of special techniques in routine laboratory procedures and research.

G905 Physiology and Pathology of Bone (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.

G906 Tumor Clinic (.5 cr.; 1 cr. maximum) Clinical manifestation of neoplastic diseases; various types of therapy; tumors of head and neck.

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

G908 Advanced Radiographic Interpretation (2 cr.) Theory and practice of radiographic interpretation; correlations between gross anatomy, histology, pathology, and the radiograph.

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

G910 Seminar (1 cr.)

G911 Dental Materials Science and Engineering (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.

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.)

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.

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

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

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

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 multidisciplinary approach to treatment.

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

G920 Research: Oral Pathology (cr. arr.)

G921 Research: Dental Materials (cr. arr.)

G922 Research: Pediatric Dentistry (cr. arr.)

G923 Research: Prosthodontics (cr. arr.)

G925 Research: Operative Dentistry (cr. arr.)

G926 Research: Endodontics (cr. arr.)

G927 Research: Orthodontics (cr. arr.)

G928 Research: Periodontics (cr. arr.)

G930 Research: Preventive Dentistry (cr. arr.)

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

G933 Research: Public Health (cr. arr.)

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.

¹The availability of specific course offerings may vary from year to year.

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.

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

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

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.

G940 Advanced Clinical Instruction in Fixed Partial Prosthodontics (1-6 cr.) Patient treatment involving the use of extracoronally 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.

G941 Advanced Fixed Partial Prosthodontics Technique (.5-4 cr.) Tooth preparation for and fabrication of extracoronally 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.

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

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

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

G946 Advanced Clinical Radiography (1-4 cr.) P or C: G948. Clinical study of intraoral and extraoral radiographic techniques; various errors associated with oral radiographic techniques; problems and mechanisms associated with operation of a teaching-service clinic in oral radiography.

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.

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

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

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

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.

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

G955 Research Communications (2 cr.) Study of the methodological and systematic treatments of scientific data required for responsible research practice and effective communication in oral health sciences. Exploration of case studies, written primary and secondary research publications, oral presentations, abstracts, slide and poster presentations, and grant proposals.

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

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

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.

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.

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.

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

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.

G965 Histophysiology and Pathology of the Periodontium (4 cr.) This course provides an overview of the periodontium, the dental pulp, periapex, and the oral mucosa in health and disease with emphasis on cell and molecular biology, histology, ultrastructure, biology of epithelium, connective tissue and extracellular matrix biology, inflammation, and immunology. Molecular pathology is emphasized and clinicopathologic correlations are provided.

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

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

G968 Advanced Clinical Dental Diagnostic Sciences (1-6 cr.) Usual and unusual oral pathologic problems of patients.

G969 Advanced Didactic Dental Diagnostic Sciences (2 cr.) Advanced diagnostic techniques and instruments applied with clinical signs and symptoms of oral and peroral diseases.

G971 Intermediary Metabolism (3 cr.) Human metabolic processes and their regulation and relationship to oral health and disease.

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

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

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.

G975 Basic Radiological Physics (2 cr.) Basic properties of various types of ionizing radiation, their interaction with matter, fundamentals of radiation detection and measurement, and basic instrument design.

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.

G977 Advanced Oral Pathology II (2 cr.) See course description for G976.

G978 Fundamentals of Radiation Biology (2 cr.) P: G975. Effects of ionizing radiation on biological systems; concepts of mechanisms of action and effects at molecular, cellular, organ, and total body levels.

G979 Radiology Literature Evaluation (1 cr.) Evaluation of scientific and radiological literature; principles of research and scientific writing.

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

G982 Clinical Research Methods (1-3 cr.) Preliminary preparation for clinical field study including delineation of purpose, review of history, methods, personnel needed, equipment, sample size, data to be collected, study sites, etc.; review of projects with opportunity to prepare field study outline.

G983 Dental Problems of Special Population Groups (1-3 cr.) Health, dental, and societal problems of chronically ill, aged, handicapped, low income, and institutional patients; outreach programs; methods of care.

G985 Fluoride Metabolism (2 cr.) History, clinical studies, pharmacology, toxicology, and biochemistry of fluoride compounds; current evaluations of newer methods of using fluoride compounds.

G986 Histopathological Laboratory Techniques (1 cr.) Preparation of soft tissue for microscopic study; special techniques with decalcified specimens; special staining procedures.

G988 Principles of Periodontics (2 cr.) An in-depth appraisal of all surgical procedures employed in periodontics, including rationale, indications and contraindications, techniques, and the healing sequence. Also covered are occlusion and restorative dentistry, their relationship to periodontics, and care of the patient with systemic disease.

G994 Applications of Genetic Principles to Problems in Dentistry (2 cr.) General principles of human genetics; importance of genetics to problems encountered in dentistry.

G995 Biostatistics as Applied to Public Health Problems (1-4 cr.) Collection, tabulation, and elementary analyses of data, including vital statistics, treatment of rates, and distribution of variates sampling variation.

G996 Epidemiology (1-3 cr.) Principles of epidemiology; dental caries, periodontal disease, malocclusion, and dental health problems of special population groups.

G998 Community Health Programming and Services (1-4 cr.) Public health practices; health and human behavior; health education in public health; group purchasing plans including pre- and post-payment, open and closed panels, and indemnity and coinsurance programs offered by profit and nonprofit organizations.

G999 Public Health Practice (1-6 cr.)

Functions, scope, and historical background of public health; organization of official and voluntary public health agencies; maternal and child health, mental health, public health, nursing hospital services, dental health.

R904¹ Anesthesia Clinic and Seminar (cr. arr.)

General anesthesia as applied in the operating room for all types of surgical problems as well as for dental procedures for ambulatory outpatients.

R905¹ 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.

R906¹ 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.

R907 Research: Oral Surgery (1-6 cr.)

R908 Speech Pathology—Speech Science (1-6 cr.) Speech pathology and audiology; etiologic and rehabilitative aspects of speech, language, and hearing disorders.

R909-R910-R911 Advanced Preventive Dentistry I (2-3 cr.), II (2-3 cr.), 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.

R914 Statistics (2 cr.) Problems of experimental design, including statistical methods for handling measures of central tendency, variation, reliability, significance; determination of significance.

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.

R917 Joint Case Management Seminar (1 cr.) This course will present the didactic and clinical aspects of diagnosis and treatment planning for patients with complex dental

problems. Class sessions will include discussion of pertinent literature in periodontics and restorative dentistry as well as the diagnosis and treatment planning of actual clinical cases.

R919 Physical Diagnosis (3-4 cr.) Lectures and demonstrations of techniques in history taking and physical diagnosis. Additional clinical experience will be provided for oral and maxillofacial surgery residents.

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 multidisciplinary approach.

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 multidisciplinary approach.

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

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.

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.

R926 Advanced Concepts in Biomedical Sciences (1 cr.) Lectures, readings, and discussions over a broad range of topics of importance to the practicing dentist, particularly the endodontist and periodontist. Course instructors will be drawn from various fields of clinical and basic sciences in dentistry and medicine.

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.

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.

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.

¹Enrollment limited to oral and maxillofacial surgery residents, except by special permission.

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

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.

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

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

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.

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

R937 Special Pathology of Neoplasms I (2 cr.) Systematic study of the clinical and microscopic features of neoplasms of the head and neck with emphasis on those in the oral cavity.

R938 Special Pathology of Neoplasms II (2 cr.) Systematic study of the clinical and microscopic features of neoplasms of the head and neck with emphasis on those in the oral cavity.

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.

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.

R942 Temporomandibular Dysfunction and Facial Pain Seminar Course I (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.

R943 Temporomandibular Dysfunction and Facial Pain Clinical Course II (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.

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.

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

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.

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.

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.

R951 Light Parenteral Conscious 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.

R953 Biotechniques Methods and Instrumentation in Dentistry (3 cr.) Introductory course for dental graduate students (M.S. and Ph.D. candidates) getting ready for research. Basic concept of imaging is discussed. Other topics include bioelectricity, biomechanics, and biochemical engineering.

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.

R956 Current Topics in Oral Biology (4 cr.) P: B500 and G865 or equivalents. Purpose is to familiarize 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.

Education Courses

Students who have as their objective a career in education and research are encouraged to complete a minor from the following selection of graduate courses in the School of Education. Descriptions of these courses can be found in the School of Education Graduate Program Bulletin.

P508¹ Practicum in Measurement (2-3 cr.)

P510 Psychology in Teaching (2-3 cr.)

R566¹ Instructional Development Basics (2-3 cr.)

¹Prerequisites will be waived for dental students.

Faculty of the School of Dentistry

- Adams, Lehman D., Jr., D.D.S. (*Indiana University*, 1949), Assistant Professor of Oral and Maxillofacial Surgery
- Alexander, Andrew J., D.D.S. (*Indiana University*, 1993), Instructor in Operative Dentistry
- Alexander, Lisa A., D.D.S. (*Indiana University*, 1993), Instructor in Operative Dentistry
- 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
- Alvarez, Keith A., D.D.S. (*Indiana University*, 1996), Instructor in Operative Dentistry
- Analoui, Mostafa, Ph.D. (*Purdue University*, 1992), Assistant Professor of Dental Diagnostic Sciences (School of Dentistry); Adjunct Assistant Professor of Electrical Engineering (School of Engineering and Technology)
- Anderson, Mark W., D.D.S. (*Loma Linda University*, 1988), Assistant Professor of Oral and Maxillofacial Surgery
- Ando, Masatoshi, Ph.D. (*Osaka Dental University, Japan*, 1993), Assistant Scientist, Oral Health Research Institute
- Andres, Carl J., D.D.S. (*Indiana University*, 1966), Professor of Prosthodontics; Director of Graduate Prosthodontics
- Arazi, Yuval, D.D.S. (*Indiana University*, 1997), Instructor in Operative Dentistry
- Arens, Donald E., D.D.S. (*Indiana University*, 1959), Associate Professor of Endodontics; Director of Continuing Education
- Avery, David R., D.D.S. (*Indiana University*, 1966), Professor of Pediatric Dentistry
- Bailey, David E., D.D.S. (*Indiana University*, 1979), Instructor in Operative Dentistry
- Bailey, Joseph M., D.D.S. (*Indiana University*, 1986), Instructor in Operative Dentistry
- Baldwin, James J., D.D.S. (*Indiana University*, 1954), Associate Professor of Orthodontics
- Barbosa, Fidel, D.M.D. (*University of Puerto Rico*, 1993), Assistant Professor of Prosthodontics; Director of Comprehensive Care Clinic
- Barco, M. Thomas, D.D.S. (*Indiana University*, 1969), Clinical Associate Professor of Prosthodontics
- Barr, E. Byrd, D.D.S. (*Indiana University*, 1947), Associate Professor Emeritus of Dental Diagnostic Sciences
- Barton, Douglas H., D.D.S. (*Indiana University*, 1969), Associate Professor of Pediatric Dentistry
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- Newton, Carl W., D.D.S. (*Indiana University, 1975*), Professor of Endodontics
- Niemann, Sybil S., D.D.S. (*Indiana University, 1966*), Clinical Assistant Professor of Allied Dental Programs
- Ohashi, Naoko, Ph.D. (*Niigata University, Japan, 1997*), D.D.S. (*Niigata University, 1993*), Visiting Assistant Scientist, Oral Facial Development
- Oldham, Drew F., D.D.S. (*Indiana University, 1963*), Associate Professor of Prosthodontics
- Oldham, James M., D.D.S. (*Indiana University, 1983*), Instructor in Dental Hygiene
- Oldsen, Evelyn R., M.S. (*University of Iowa, 1969*), Director and Associate Professor of Dental Hygiene
- Olson, Byron L., Ph.D. (*Case Western Reserve University, 1970*), Professor of Preventive and Community Dentistry (*School of Dentistry*); Professor of Biochemistry and Molecular Biology (*School of Medicine*)
- Onyia, Jude E., Ph.D. (*State University of New York Health Science Center at Syracuse, 1993*), Adjunct Assistant Professor of Oral Biology
- Oshida, Yoshiki, Ph.D. (*Waseda University, Japan, 1971*), Professor of Dental Materials
- Paez, Carmen Y., D.D.S. (*Universidad Nacional de Colombia, Colombia, 1990*), Instructor in Prosthodontics
- Park, Kichuel K., D.D.P.H. (*University of Toronto, Canada, 1969*), Ph.D. (*Seoul National University, South Korea, 1967*), D.D.S. (*Seoul National University, 1962*), Visiting Professor of Preventive and Community Dentistry; Acting Director of Dental Public Health (*School of Dentistry*); Visiting Adjunct Professor of Public Health (*School of Medicine*)
- Parks, Edwin T., D.M.D. (*University of Kentucky, 1981*), Associate Professor of Dental Diagnostic Sciences
- Paydar, Nasser H., Ph.D. (*Syracuse University, 1985*), Associate Dean for Academic Programs; Professor of Mechanical Engineering (*School of Engineering and Technology*); Adjunct Professor of Orthodontics (*School of Dentistry*)
- Penner, Fusako, Lecturer in Orthodontics
- Perez, Albino M., Jr., M.S. (*Indiana University, 1984*), Clinical Assistant Professor of Dental Education (*Fort Wayne*)
- Perkins, Lori L., B.S. (*Indiana University, 1999*), Instructor in Dental Hygiene
- Phelps, John R., III, D.D.S. (*Indiana University, 1989*), Assistant Professor of Prosthodontics
- Phillips, Gregory E., D.D.S. (*Indiana University, 1984*), Assistant Professor of Periodontics
- Phillips, Sally I., B.S. (*Indiana University, 1981*), Clinical Lecturer in Dental Hygiene
- Pinckert, Jennifer M., B.S. (*Indiana University, 1998*), Instructor 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*), Instructor in Dental Materials
- Poer, Bart L., D.D.S. (*Indiana University, 1993*), Instructor in Prosthodontics
- Poland, Charles, III, D.D.S. (*Indiana University, 1968*), Associate Professor of Pediatric Dentistry
- Potter, Rosario H., M.S. (*Indiana University, 1967*), D.M.D. (*University of the East, The Philippines, 1952*), Professor Emerita of Oral Facial Genetics
- Pritchett, Charles E., D.D.S. (*Indiana University, 1967*), Assistant Professor of Orthodontics
- Rackley, R. Hunter, Jr., M.H.E. (*Medical College of Georgia, 1977*), Assistant Professor of Dental Hygiene
- Rake, Philip C., D.D.S. (*Indiana University, 1971*), Assistant Professor of Prosthodontics
- Ramsey, Douglas L., D.D.S. (*Indiana University, 1991*), Assistant Professor of Endodontics
- Randall, Lisbeth A., D.D.S. (*Indiana University, 1991*), Instructor in Dental Diagnostic Sciences
- Reed, Angel J., B.S. (*Indiana University, 1990*), Instructor in Dental Hygiene
- Reef, Scott A., D.D.S. (*Indiana University, 1991*), Assistant Professor of Periodontics
- Rehmel, Mary Leesa, B.S. (*Indiana University, 1987*), Clinical Lecturer in Dental Hygiene
- Reifeis, Paul E., J.D. (*Indiana University, 1984*), D.D.S. (*Indiana University, 1978*), Assistant Professor of Operative Dentistry
- Rettig, Pamela A., M.S. (*University of Missouri, 1993*), Clinical Assistant Professor of Dental Hygiene
- Richmond, Norris L., D.D.S. (*Indiana University, 1963*), Professor Emeritus of Operative Dentistry
- Rigsbee, O. H., III, D.D.S. (*Indiana University, 1984*), Assistant Professor of Orthodontics
- Risch, John R., D.D.S. (*Indiana University, 1951*), Associate Professor Emeritus of Prosthodontics

- Risser, Lori F., D.D.S. (Indiana University, 1998), *Instructor in Operative Dentistry*
- Roberts, W. Eugene, Jr., Ph.D. (University of Utah, 1969), D.D.S. (Creighton University, 1967), *Professor of Orthodontics; Director of Graduate Orthodontics (School of Dentistry); Professor of Physiology and Biophysics (School of Medicine); Adjunct Professor of Mechanical Engineering (School of Engineering and Technology)*
- Robinson, Juanita G., M.S. (Indiana University, 1993), *Chairperson of Dental Hygiene/Dental Assisting; Assistant Professor of Dental Education (Northwest)*
- Roche, James R., D.D.S. (Indiana University, 1947), *Professor Emeritus of Pediatric Dentistry*
- Russell, Jennifer A., D.D.S. (Indiana University, 1998), *Instructor in Operative Dentistry*
- Ryan, Larry D., D.D.S. (Indiana University, 1965), *Associate Professor of Operative Dentistry; Director of Comprehensive Care Clinic*
- Sadove, A. Michael, M.D. (Loyola University of Chicago, 1974), *Professor of Plastic Surgery (School of Medicine); Professor of Oral and Maxillofacial Surgery (School of Dentistry)*
- Sagraves, Glen O., D.D.S. (Indiana University, 1958), *Professor Emeritus of Dental Diagnostic Sciences*
- Sanders, Brian J., D.D.S. (University of Maryland, 1983), *Associate Professor of Pediatric Dentistry*
- Satterfield-Siegel, Jennifer L., D.D.S. (Indiana University, 1992), *Assistant Professor of Pediatric Dentistry*
- Sawyer, David H., D.D.S. (Indiana University, 1961), *Instructor in Operative Dentistry*
- Saxen, Mark A., Ph.D. (Medical College of Virginia, 1993), D.D.S. (Case Western Reserve University, 1978), *Clinical Assistant Professor of Pharmacology (School of Dentistry); Clinical Assistant Professor of Anesthesia and Adjunct Assistant Professor of Pharmacology and Toxicology (School of Medicine)*
- Schaaf, Jack E., D.D.S. (Indiana University, 1975), *Associate Professor of Dental Diagnostic Sciences*
- Schemehorn, Bruce R., M.S. (Indiana University, 1985), *Research Associate and Associate Director of Contract Testing Research, Oral Health Research Institute*
- Schimmele, Ralph G., D.D.S. (Indiana University, 1952), *Professor Emeritus of Dental Auxiliary Education*
- Schimmele, Steven R., D.D.S. (Indiana University, 1992), *Assistant Professor of Oral and Maxillofacial Surgery*
- Schindler, William G., D.D.S. (University of Texas Health Science Center at Houston, 1976), *Visiting Associate Professor of Endodontics*
- Schmedtje, John F., Ph.D. (Rutgers State University, 1951), *Associate Professor Emeritus of Anatomy (School of Medicine and School of Dentistry)*
- Schmitt, Donald R., D.D.S. (Loma Linda University, 1972), *Clinical Assistant Professor of Prosthodontics*
- Schnell, Richard J., D.D.S. (St. Louis University, 1946), *Professor Emeritus of Dental Materials*
- Schultz, William F., D.D.S. (Indiana University, 1962), *Assistant Professor of Oral and Maxillofacial Surgery*
- Sexton, Robert E., D.D.S. (Indiana University, 1972), *Assistant Professor of Oral and Maxillofacial Surgery*
- Shafer, William G., D.D.S. (The Ohio State University, 1947), *Distinguished Professor Emeritus of Oral Pathology*
- Shanks, James C., Jr., Ph.D. (Northwestern University, 1957), *Professor Emeritus of Speech Pathology (School of Medicine); Professor Emeritus of Orthodontics (School of Dentistry)*
- Smith, Barbara F., D.D.S. (Indiana University, 1994), *Instructor in Operative Dentistry*
- Smith, Charles E., D.D.S. (Indiana University, 1961), *Associate Professor of Preventive and Community Dentistry*
- Smith, Wendy S., B.S. (Indiana University, 1995), *Instructor in Dental Hygiene*
- Spear, Lewis B., D.D.S. (Indiana University, 1960), *Assistant Professor of Dental Hygiene*
- Spencer, Pauline R., B.S. (University of North Carolina, 1980), *Director and Assistant Professor of Dental Assisting*
- Spolnik, Kenneth J., D.D.S. (Indiana University, 1975), *Associate Professor of Endodontics*
- Standish, S. Miles, D.D.S. (Indiana University, 1945), *Professor Emeritus of Oral Pathology and Dental Diagnostic Sciences*
- Starkey, Paul E., D.D.S. (Indiana University, 1943), *Professor Emeritus of Pediatric Dentistry*
- Steffel, Charles L., D.D.S. (Indiana University, 1978), *Associate Professor of Endodontics*
- Stockton, Kevin T., D.M.D. (University of Louisville, 1992), *Assistant Professor of Oral and Maxillofacial Surgery*
- Stokes, Robert E., D.D.S. (Indiana University, 1972), *Assistant Professor of Operative Dentistry*
- Stoner, Robert A., D.D.S. (Indiana University, 1980), *Assistant Professor of Orthodontics*
- Stookey, George K., Ph.D. (Indiana University, 1971), *Executive Associate Dean of Dentistry; Associate Dean for Academic Affairs; Distinguished Professor of Preventive and Community Dentistry; Associate Director of Exploratory Research, Oral Health Research Institute*
- Stropes, L. Michael, D.D.S. (Washington University, 1971), *Assistant Professor of Operative Dentistry*
- Stump, Norman L., D.D.S. (Indiana University, 1979), *Instructor in Operative Dentistry and Dental Assisting*
- Sturgeon, Sara S., D.D.S. (Indiana University, 1976), *Assistant Professor of Prosthodontics*

- Summerlin, Don-John, D.M.D. (*University of Alabama*, 1985), Associate Professor of Oral Pathology
- Swartz, Marjorie L., M.S. (*Indiana University*, 1959), Professor Emerita of Dental Materials
- Swenson, Henry M., D.D.S. (*University of Illinois*, 1942), Professor Emeritus of Periodontics
- Switalski, Lech M., Ph.D. (*National Institute of Hygiene, Poland*, 1977), Visiting Associate Scientist, Oral Health Research Institute
- Tate, Brian P., D.D.S. (*Indiana University*, 1995), Instructor in Endodontics
- Tharp, Donald R., D.D.S. (*Indiana University*, 1964), Associate Dean; Professor of Operative Dentistry
- Tomich, Charles E., D.D.S. (*Loyola University, New Orleans*, 1961), Professor of Oral Pathology
- Totten, Carla J., B.S. (*Indiana University*, 1967), Assistant Professor Emerita of Dental Hygiene
- Turner, Mark D., D.D.S. (*Indiana University*, 1974), Assistant Professor of Orthodontics
- Ursu, Samuel C., J.D. (*Detroit College of Law*, 1978), D.D.S. (*University of Michigan*, 1958), Adjunct Associate Professor of Orthodontics
- Vail, Mychel M., D.D.S. (*Indiana University*, 1995), Visiting Assistant Professor of Operative Dentistry; Acting Associate Director of Comprehensive Care Clinic
- Vandersall, David C., D.D.S. (*Case Western Reserve University*, 1961), Clinical Associate Professor of Periodontics
- Van Dis, Margot L., D.D.S. (*University of Michigan*, 1980), Associate Dean for Student Affairs; Professor of Dental Diagnostic Sciences
- Velez, Francisco E., D.M.D. (*University of Puerto Rico*, 1994), Clinical Assistant Professor of Hospital Dentistry
- Vickerman, M. Margaret, Ph.D. (*University of Michigan*, 1991), D.M.D. (*Tufts University*, 1982), Associate Professor of Endodontics in Oral Surgery, Medicine and Pathology; Adjunct Associate Professor of Endodontics in Restorative Dentistry (School of Dentistry); Associate Professor of Microbiology and Immunology (School of Medicine)
- Wagner, A. George, D.D.S. (*University of Michigan*, 1954), Professor Emeritus of Prosthodontics
- Ward, Kevin D., D.D.S. (*Indiana University*, 1986), Instructor in Operative Dentistry
- Ward, Richard E., Ph.D. (*University of Colorado*, 1980), Associate Professor of Anthropology (School of Liberal Arts); Adjunct Associate Professor of Oral Facial Genetics (School of Dentistry); Adjunct Associate Professor of Anthropology (College of Arts and Sciences)
- Warner, Ned A., D.D.S. (*Indiana University*, 1984), Postdoctoral Fellow, Oral Biology
- Watson, Nicholas H., D.D.S. (*Indiana University*, 1968), Assistant Professor of Endodontics
- Weddell, James A., D.D.S. (*Indiana University*, 1977), Associate Professor of Pediatric Dentistry
- Wells, John R., D.M.D. (*University of Louisville*, 1983), Clinical Instructor in Pediatric Dentistry
- West, Darlene D., D.D.S. (*Indiana University*, 1981), Clinical Assistant Professor of Oral and Maxillofacial Surgery
- Wilcox, David C., M.D. (*University of South Florida*, 1983), Clinical Associate Professor of Medicine (School of Medicine)
- 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
- Windsor, L. Jack, Ph.D. (*University of Alabama*, 1993), Assistant Professor of Oral Biology
- Wittrig, Matthew S., D.D.S. (*Indiana University*, 1989), Assistant Professor of Operative Dentistry
- Wohlford, Mark E., Ph.D. (*The Ohio State University*, 1992), D.D.S. (*University of Iowa*, 1985), Acting Chairperson of Oral Surgery, Medicine, and Pathology; Assistant Professor of Oral and Maxillofacial Surgery
- Wolfe, James T., D.D.S. (*Indiana University*, 1993), Assistant Professor of Periodontics
- Wood, Gerald D., Research Associate, Oral Health Research Institute
- Yoder, Karen Masbaum, Ph.D. (*Indiana University*, 1997), Assistant Professor of Preventive and Community Dentistry (School of Dentistry); Visiting Instructor in Dental Education (Fort Wayne)
- Yokom, Nanci G., M.B.A. (*Indiana University*, 1989), Director and Associate Professor of Dental Education (South Bend)
- Young, Nancy A., M.Ed. (*Temple University*, 1981), Assistant Professor of Dental Hygiene
- Zero, Domenick T., D.D.S. (*Georgetown University*, 1975), Chairperson and Professor of Preventive and Community Dentistry; Director of Oral Health Research Institute
- Zimmerman, Dennis P., D.D.S. (*Indiana University*, 1973), Clinical Assistant Professor of Pediatric Dentistry
- Zitterbart, Paul A., D.D.S. (*Indiana University*, 1977), Assistant Professor of Preventive and Community Dentistry
- Zonakis, Peter T., D.D.S. (*Indiana University*, 1961), Associate Professor Emeritus of Dental Auxiliary Education
- Zunt, Susan L., D.D.S. (*Case Western Reserve University*, 1977), Associate Professor of Oral Pathology

Indiana University

When you become a student at Indiana University, you join an academic community internationally known for the excellence and diversity of its programs. With 878 degree programs, the university attracts students from all 50 states and around the world. The full-time faculty numbers almost 4,000 and includes members of many academic societies such as the American Academy of Arts and Sciences, the American Philosophical Society, and the National Academy of Sciences.

Indiana University was founded at Bloomington in 1820 and is one of the oldest and largest institutions of higher education in the Midwest. It serves 92,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the university. Campuses in Gary, Fort Wayne, Kokomo, New Albany, Richmond, and South Bend join Bloomington and Indianapolis in bringing an education of high quality within reach of all of Indiana's citizens.

General Policies

Equal Opportunity/Affirmative Action Policy of Indiana University

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 Affirmative Action office on each campus monitors the university's policies and assists individuals who have questions or problems related to discrimination.

Confidentiality of Student Records

In accordance with federal statutes and regulations, student records are confidential and available for disclosure to persons other than the student only under stated conditions.

Student Rights and Responsibilities

A statement of students' rights and

responsibilities is published in a handbook, *Code of Student Rights, Responsibilities, and Conduct*, which contains a description of due process hearings in the event of disciplinary action.

Degree Requirements Students are responsible for understanding all requirements for graduation and for completing them by the time they expect to graduate. Information about a specific school or division can be found in the front section of the bulletin for that school.

Requests for deviation from department, program, or school requirements may be granted only by written approval from the respective chairperson, director, or dean (or a designated administrative representative). Disposition at each level is final.

Undergraduate Admissions Policy

Indiana University has adopted the following admissions policy to ensure that undergraduate students are properly prepared for college work. These standards seek to ensure either adequate academic preparation in high school or evidence of unusual motivation on the part of each student admitted to the university. Applicants for admission to Indiana University are expected to meet the following criteria.

Freshman Students¹

1. Graduation from a commissioned Indiana high school or comparable out-of-state institution, successfully completing a minimum of 28 semesters of college-preparatory courses including the following:
 - (a) Eight semesters of English. (One semester each of speech and journalism may be included.)
 - (b) Four semesters of social science (economics, government, history, psychology, or sociology).
 - (c) Four semesters of algebra (two semesters of which must be advanced algebra) and two semesters of geometry.
 - (d) Two semesters of laboratory science (biology, chemistry, or physics).
 - (e) Eight semesters in some combination of foreign language; additional mathematics, laboratory science, or social science; computer science; and other courses of a college-preparatory nature.

¹ Some academic programs require specific qualifications in addition to those enumerated in this policy.

- (f) Four semesters of foreign language are strongly recommended.
 - (g) Courses to develop writing composition skills are strongly recommended.
2. A rank in the upper half of the high school graduating class for Indiana residents or a rank in the upper third of the high school graduating class for out-of-state residents.
 3. A score above the median established by Indiana students on a nationally standardized admissions test. Students who have been out of high school for three or more years do not have to submit test scores unless required for admission to specific programs.
 4. Each campus may accept students who are deficient in (1), (2), or (3) of the above specifications upon receipt of such evidence as the combination of strength of college-preparatory program, rank in class, grades and grade trends in college-preparatory courses, and standardized test scores. For persons who do not meet the above criteria and who have been out of high school three or more years, admission can be based on other factors such as a General Educational Development (GED) diploma, maturity, work experience, military service, and other factors as determined by the campus.
 5. Each campus, at its discretion, may admit a student on a probationary basis and/or through faculty sponsorship.

Transfer Students¹

1. Submission of official transcripts from all previous institutions attended.
2. The transcripts must reflect a cumulative grade point average of at least a 2.0 (on a 4.0 scale) for Indiana residents and at least a 2.5 (on a 4.0 scale) for out-of-state residents.
3. If the student has fewer than 26 transferable credit hours, the high school record should reflect compliance with freshman admission requirements as specified above.
4. The credentials of students seeking transfer to Indiana University will be evaluated on an individual basis.

When students do not qualify upon first application, they will be counseled about ways of removing deficiencies so that they may qualify for admission at a later date. If any provision of this policy is held invalid, the invalidity does not affect other provisions of this policy which can be given effect without the invalid provision, and to this end the provisions of this policy are severable.

¹Some academic programs require specific qualifications in addition to those enumerated in this policy.

Transfer to Other Indiana University Campuses

The policy stated below concerning transfer credit pertains to undergraduate students only.

Indiana University credits transferred from one campus of Indiana University to another will be evaluated and accepted in terms at least as favorable as credits transferred from other accredited institutions in the United States. No review of the credits will be undertaken except in good faith terms of the same criteria used in evaluating external credits. In fact, students transferring within the Indiana University system are treated much more favorably because of the similarity of course work on the eight campuses.

Students who want to transfer to another campus should follow these procedures:

1. Inform your academic advisor of your decision as soon as possible. Degree requirements may vary from one campus to another but if your advisor knows of your plan, your academic program can be designed to meet the requirements of the campus you will eventually attend.
2. Contact the department chairperson (or the designated advisor) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, students transferring in fine arts must submit portfolios of their work. Music transfer students must be auditioned.
3. As the date of transfer approaches, check with your campus registrar to get information on registration dates and procedures on the other campus. If there is a preregistration or preenrollment procedure at the other campus, you should plan to take advantage of it. Contact the registrar of the other campus to determine whether you can fulfill any of these responsibilities by phone. Your registrar has a direct telephone line to all other registrars.
4. When you arrive on the new campus, contact your assigned academic adviser or department chairperson as soon as possible. Discuss your academic progress to date and the additional course work required for your program.

Rules Determining Resident and Nonresident Student Status for Indiana University Fee Purposes

These rules establish the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University for university fee purposes.

Nonresident students shall pay a nonresident fee in addition to fees paid by a resident student.

These rules shall take effect February 1, 1974; provided, that no person properly classified as a resident student before February 1, 1974, shall be adversely affected by these rules, if he or she attended the university before that date and while he or she remains continuously enrolled in the university.

1. "Residence" as the term, or any of its variations (e.g., "resided"), as used in the context of these rules, means the place where an individual has his or her permanent home, at which he or she remains when not called elsewhere for labor, studies, or other special or temporary purposes, and to which he or she returns in seasons of repose. It is the place a person has voluntarily fixed as a permanent habitation for himself or herself with an intent to remain in such place for an indefinite period. A person at any one time has but one residence, and a residence cannot be lost until another is gained.
 - (a) A person entering the state from another state or country does not at that time acquire residence for the purpose of these rules, but except as provided in rule 2(c), such person must be a resident for 12 months in order to qualify as a resident student for fee purposes.
 - (b) *Predominant presence in Indiana for the predominant purpose* of attending a college, university, or other institution of higher education, shall not be counted in determining the 12-month period of residence; nor shall absence from Indiana for such purpose deprive a person of resident student status.
2. A person shall be classified as a "resident student" if he or she has continuously resided in Indiana for at least 12 consecutive months immediately preceding the first scheduled day of classes of the semester or other session in which the individual registers in the university, subject to the exception in (c)¹ below.
 - (a) The residence of an unemancipated person under 21 years of age follows that of the parents or of a legal guardian who has actual custody of such person or administers the property of such person. In the case of divorce or separation, if either parent meets the residence requirements, such person will be considered a resident.¹
 - (b) If such person comes from another state or country for the predominant purpose of attending the university, he or she shall not be admitted to resident student status upon the basis of the residence of a guardian in fact, except upon appeal to the Standing Committee on Residence in each case.²
 - (c) Such person may be classified as a resident student without meeting the 12-month residence requirement within Indiana if his or her presence in Indiana results from the establishment by his or her parents of their residence within the state *and* if he or she proves that the move was predominantly for reasons other than to enable such person to become entitled to the status of "resident student."²
 - (d) When it shall appear that the parents of a person properly classified as a "resident student" under subparagraph (c) above have removed their residence from Indiana, such person shall then be reclassified to the status of nonresident; provided, that no such reclassification shall be effective until the beginning of a semester next following such removal.
 - (e) A person once properly classified as a resident student shall be deemed to remain a resident student so long as remaining continuously enrolled in the university until such person's degree shall have been earned, subject to the provisions of subparagraph (d) above.
3. The foreign citizenship of a person shall not be a factor in determining resident student status if such person has legal capacity to remain permanently in the United States.
4. A person classified as a nonresident student may show that he or she is exempt

¹Invocation of the provision in Rule 2(a) that applies to cases of divorce or separation requires appropriate legal documentation.

²Rules 2(b) and 2(c) apply only to unemancipated persons under 21 years of age.

from paying the nonresident fee by clear and convincing evidence that he or she has been a resident (see rule 1 above) of Indiana for the 12 months prior to the first scheduled day of classes of the semester in which his or her fee status is to be changed. Such a student will be allowed to present his or her evidence only after the expiration of 12 months from the residence qualifying date, i.e., the date upon which the student commenced the 12-month period for residence. The following factors will be considered relevant in evaluating a requested change in a student's nonresident status and in evaluating whether his or her physical presence in Indiana is for the predominant purpose of attending a college, university, or other institution of higher education. The existence of one or more of these factors will not require a finding of resident student status, nor shall the nonexistence of one or more require a finding of nonresident student status. All factors will be considered in combination, and ordinarily resident student status will not result from the doing of acts which are required or routinely done by sojourners in the state or which are merely auxiliary to the fulfillment of educational purposes.

- (a) The residence of a student's parents or guardians.
- (b) The situs of the source of the student's income.
- (c) To whom a student pays his or her taxes, including property taxes.
- (d) The state in which a student's automobile is registered.
- (e) The state issuing the student's driver's license.
- (f) Where the student is registered to vote.
- (g) The marriage of the student to a resident of Indiana.
- (h) Ownership of property in Indiana and outside of Indiana.
- (i) The residence claimed by the student on loan applications, federal income tax returns, and other documents.
- (j) The place of the student's summer employment, attendance at summer school, or vacation.
- (k) The student's future plans including committed place of future employment or future studies.
- (l) Admission to a licensed profession in Indiana.
- (m) Membership in civic, community, and other organizations in Indiana or elsewhere.
- (n) All present and intended future connections or contacts outside of Indiana.

- (o) The facts and documents pertaining to the person's past and existing status as a student.
 - (p) Parents' tax returns and other information, particularly when emancipation is claimed.
5. The fact that a person pays taxes and votes in the state does not in itself establish residence, but will be considered as hereinbefore set forth.
 6. The registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident and may require proof of all relevant facts. The burden of proof is upon the student making a claim to a resident student status.
 7. A Standing Committee on Residence shall be appointed by the president of the university and shall include two students from among such as may be nominated by the student body presidents of one or more of the campuses of the university. If fewer than four are nominated, the president may appoint from among students not nominated.
 8. A student who is not satisfied by the determination of the registrar has the right to lodge a written appeal with the Standing Committee on Residence within 30 days of receipt of written notice of the registrar's determination which committee shall review the appeal in a fair manner and shall afford to the student a personal hearing upon written request. A student may be represented by counsel at such hearing. The committee shall report its determination to the student in writing. If no appeal is taken within the time provided herein, the decision of the registrar shall be final and binding.
 9. The Standing Committee on Residence is authorized to classify a student as a resident student, though not meeting the specific requirements herein set forth, if such student's situation presents unusual circumstances and the individual classification is within the general scope of these rules. The decision of the committee shall be final and shall be deemed equivalent to a decision of the Trustees of Indiana University.
 10. A student or prospective student who shall knowingly provide false information or shall refuse to provide or shall conceal information for the purpose of improperly achieving resident student status shall be subject to the full range of penalties, including expulsion, provided for by the university, as well as to such other punishment which may be provided for by law.

Fees

The instructional fees listed here were approved at the May 1999 meeting of the Trustees of Indiana University. Fees are subject to change by action of the trustees. For up-to-date information about fees in effect at registration time, see the campus *Schedule of Classes*.

Certain courses and programs requiring studios, laboratories, microscopes, computers, or other special equipment may involve special fees in addition to the instructional fee. Applied music, student teaching, and some physical education courses also carry additional fees. See the campus *Schedule of Classes* for a list of such courses and programs.

Fees for Indiana University campuses other than Bloomington and Indianapolis are published in the bulletin of the specific campus.

INSTRUCTIONAL FEES	Indiana Resident	Nonresident
	Bloomington Campus	
Undergraduate ¹	\$1,876.15 flat fee/semester for 12 to 17 credit hours \$117.10/credit hour under 12 or over 17	\$6,229.85 flat fee/semester for 12 to 17 credit hours \$389.35/credit hour under 12 or over 17
Graduate and Professional ¹		
Business-M.B.A. Program ²	\$4,389.25/semester	\$8,778.50/semester
Business ³	\$274.40/credit hour	\$549.00/credit hour
Law	\$236.20/credit hour	\$605.80/credit hour
Library and Information Science	\$165.90	\$483.25
Optometry	\$196.00/credit hour	\$544.30/credit hour
Public and Environmental Affairs— M.P.A. and M.S.E.S. Programs	\$194.40/credit hour	\$527.00/credit hour
Other	\$160.55/credit hour	\$467.75/credit hour
Independent Study (Correspondence)	\$96.25/credit hour	\$96.25/credit hour
Dissertation research (G901) ⁴	\$150.00/semester	\$150.00/semester
Auditing (no credit)	\$25.00/credit hour	\$25.00/credit hour
Distance Education Special Courses ⁵ for Schools of Education; and Health, Physical Education, and Recreation: Graduate		
Undergraduate	Same as rate for on-campus instruction in respective category	
INSTRUCTIONAL FEES	Indianapolis Campus	
	Indiana Resident	Nonresident
Undergraduate ¹	\$114.40/credit hour	\$356.00/credit hour
Graduate and Professional ¹		
Business-M.B.A. Program	\$250.00/credit hour	\$500.00/credit hour
Business-M.P.A. Program	\$187.50/credit hour	\$375.00/credit hour
Dentistry	\$12,190.00/year	\$26,107.80/year
Engineering	\$171.40/credit hour	\$490.00/credit hour
Law	\$228.50/credit hour	\$555.00/credit hour
Medicine	\$13,245.00/year	\$30,330.00/year
Nursing	\$157.60/credit hour	\$454.65/credit hour
Social Work	\$160.55/credit hour	\$462.95/credit hour
Master of Accountancy	\$187.50/credit hour	\$375.00/credit hour
Other	\$157.60/credit hour	\$454.65/credit hour
Dissertation research (G901) ⁴	\$100.00/semester	\$100.00/semester
Auditing (no credit)	Applicable credit hour rate	Applicable credit hour rate
Distance Education Special Courses for Allied Health Histotechnology: Graduate and Undergraduate	Same as rate for on-campus instruction in respective category	

¹ Includes credit courses in the School of Continuing Studies.

² M.B.A. students enrolled in 9 or more credit hours of business courses will be assessed a flat rate. Enrollment in any courses other than business will be assessed on a per-credit-hour basis.

³ Graduate business credit hour rates apply to (a) M.B.A. students enrolled in fewer than 9 credit hours of business courses, and (b) students enrolled in a doctoral business program.

⁴ To keep their candidacies active, doctoral students with 90 credit hours or more and Master of Fine Arts students with 60 credit hours or more may enroll in G901 for a flat fee of \$150. Also, they must have completed all graduate degree requirements except for the dissertation or final project/performance. Enrollment in G901 is limited to six times. Students who do not meet these criteria pay the applicable credit hour rate for dissertation research.

⁵ In addition to instructional fee rates, course fees of \$90.00 for Education, \$75.00 for HPER, and \$50.00 for Library and Information Science will be assessed.

INCIDENTAL FEES ⁶	Bloomington Campus	Indianapolis Campus
Application for admission		
Domestic, undergraduate	\$40.00	\$35.00
Domestic, graduate	\$45.00	\$35.00
International	\$45.00	\$55.00
Deferment service charge ⁷	\$23.00	\$22.00
Health service fee ⁸	\$76.50/semester \$32.80/summer I \$43.70/summer II	
Late payment charge	\$52.00/semester	\$11.00/month
Late program change ⁹	\$20.00/course added or dropped	\$19.00/course added
Late registration ¹⁰	\$52.00 to \$92.00/semester \$50.00/summer session	\$40.00 to \$100.00/ semester \$40.00 to \$65.00/ summer session
Student activity fee ¹¹	\$26.75 or \$53.51/semester \$13.36 or \$26.75/summer session	\$23.32 or \$33.65/ semester \$26.65/semester for Athletic Development
Technology fee, fall or spring semesters ¹²		
Undergraduate	\$25.00, \$50.00, \$100.00	\$26.78, \$53.56, \$80.35
Graduate/professional, nondegree students	\$12.00, \$25.00, \$50.00	(varies)
Technology fee, summer sessions ¹³		
Undergraduate	\$25.00, \$50.00	\$26.78, \$40.17
Graduate/professional, nondegree students	\$12.00, \$25.00	(varies)
Transcripts	\$9.00	\$7.00
University Division services fee	\$25.00/semester	
Business Undergraduate program fee	\$200.00/semester	

⁶Applicable to both in-state and out-of-state students.

⁷Fee is assessed if deferred billing option is elected.

⁸The health fee is assessed each semester/session on the Bursar's bill for all day and evening students enrolled in more than 3 credit hours. Eligible individuals not covered by the health fee will be seen on a fee-for-service basis.

⁹After drop/add period (100 percent refund period), students will be assessed \$20.00 in Bloomington and \$19.00 in Indianapolis for each added course, section change, change of arranged hours, or credit/audit change. On the Bloomington campus, students will also be assessed for each dropped course.

¹⁰A late registration fee will be assessed any student who does not register during the scheduled registration period. On the Bloomington campus, the fee is \$52.00 for students who register by the last Friday before classes begin and increases by \$10.00 on the Monday of each successive week to a maximum of \$92.00. On the Indianapolis campus, a \$40.00 late registration fee is in effect upon conclusion of registration through the end of the first week of classes, increasing by \$25.00 the first week, \$20.00 the second week, and \$15.00 the third week to a maximum of \$100.00. In Indianapolis summer sessions, a late registration fee of \$40.00 is assessed the first week, and \$65.00 the second week and thereafter.

¹¹Bloomington students enrolled in 3 or fewer credit hours during the fall and spring semesters pay a mandatory student activity fee of \$26.75. Students enrolled in more than 3 credit hours pay \$53.51. Summer-session students pay a fee per session according to the number of credit hours in which they are enrolled: 3 or fewer credit hours, \$13.36; more than 3 credit hours, \$26.75. At Indianapolis, the student activity fee for 1 to 8 credit hours is \$14.95 per semester. Students enrolled in 9 or more credit hours pay \$33.65 per semester. Indianapolis students are also charged a \$26.65 Athletic Development fee each semester.

¹²A technology fee will be assessed according to the number of enrolled credit hours as follows: 3 credit hours or fewer; greater than 3 through 6 credit hours; greater than 6 credit hours.

¹³At Indianapolis, a technology fee is assessed for summer sessions according to the number of enrolled credit hours as follows: 3 or fewer credit hours; greater than 3 credit hours. At Bloomington, summer-session students are assessed half the regular-semester technology fee, based on the number of credit hours as follows: 3 credit hours or fewer; greater than 3 credit hours.

Course Fee Refund Schedule

Time of Withdrawal	Refund	Time of Withdrawal	Refund
9- through 16-week classes		1-week (or less) classes	
During 1st week of classes	100%	During 1st day of classes	100%
During 2nd week of classes	75%	During 2nd day of classes	50%
During 3rd week of classes	50%	During 3rd day of classes	
During 4th week of classes	25%	and thereafter	None
During 5th week of classes		The refund policy applies to credit hour fees	
and thereafter	None	and all course-related fees.	
5- through 8-week classes		Procedure See the <i>Schedule of Classes</i> for more	
During 1st week of classes	100%	information about how to withdraw from	
During 2nd week of classes	50%	classes.	
During 3rd week of classes		Student Financial Assistance Students can	
and thereafter	None	obtain information about financial assistance	
2- through 4-week classes		through the financial aid office, through the	
During the 1st and 2nd day of classes	100%	student employment office, or through their	
During 3rd and 4th day of classes	50%	schools and departments. For courses taken in	
During 5th day of classes		Bloomington, contact the Office of Student	
and thereafter	None	Financial Assistance or Human Resources	
		Management for information about faculty/	
		staff fee courtesy; for courses taken at IUPUI,	
		contact the Office of Student Financial Aid.	

Veterans Benefits

Eligible students will receive veterans benefits according to the following scale, which is based on the number of credit hours in which the student is enrolled.

	Bloomington and IUPUI Fall/Spring Semesters ¹	IUPUI Summer I ¹	Bloomington Summer I	Bloomington and IUPUI Summer II ¹
Undergraduate Benefits				
full	12 or more	6	4	6
three-quarters	9-11	4-5	3	4-5
one-half	6-8	3	2	3
tuition only	fewer than 6	1-2	1	1-2
Graduate Benefits				
full	8 or more	4	4	4
three-quarters	6-7	3	3	3
one-half	4-5	2	2	2
tuition only	fewer than 4	1	1	1

It is the responsibility of the veteran or veteran dependent to sign up for benefits each semester or summer session of enrollment. It is also the responsibility of the veteran or veteran dependent on the Bloomington campus to notify the Office of Disabled Student Services and Veterans Affairs of any schedule change that may increase or decrease the amount of benefits allowed. Veterans and veteran dependents on the IUPUI campus should notify the Office of the Registrar.

Veterans with service-connected disabilities may qualify for the Department of Veterans Affairs Vocational Rehabilitation Program. They should contact their regional VA office for eligibility information.

At IUPUI, veterans and veteran dependents must notify their veteran benefit representative in the Office of the Registrar in person at the time of registration.

¹On the IUPUI campus, check with a VA representative in the Office of the Registrar for positive verification of your hourly status.

For Further Information

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

(for dental, graduate dental, and dental hygiene programs at Indianapolis):

Office of Records and Admissions
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, IN 46202-5186
Telephone: (317) 274-8173
E-mail: students@iusd.iupui.edu

(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 Office of Records and Admissions is open 8 a.m. to 5 p.m., Monday through Friday. The dental school fax number is (317) 274-2419, and the Web site is <http://www.iusd.iupui.edu>

For information on allied dental programs at other Indiana University campuses, contact:

(for programs at Fort Wayne):

Chairperson of Dental Hygiene
or
Chairperson of Dental Assisting
or
Chairperson of Dental Laboratory Technology
Dental Education
Neff Hall
Indiana University-Purdue University Fort Wayne
2101 Coliseum Boulevard East
Fort Wayne, IN 46805-1499
Telephone: (219) 481-6837

(for programs at South Bend):

Director of Dental Education
(Dental Hygiene and Dental Assisting)
Riverside Hall
Indiana University South Bend
1700 Mishawaka Avenue
Post Office Box 7111
South Bend, IN 46634-7111
Telephone: (219) 237-4158

(for programs at Gary):

Chairperson of Dental Hygiene/Dental Assisting
Dental Education
Indiana University Northwest
3400 Broadway
Gary, IN 46408-1197
Telephone: (219) 980-6770

Indiana University Bulletins

You may want to explore other schools of Indiana University. The following is a complete list of our bulletins. Please write directly to the individual unit or campus for its bulletin.

Indiana University Bloomington

College of Arts and Sciences
Kelley School of Business¹
School of Continuing Studies²
School of Education³
School of Health, Physical Education, and Recreation
School of Journalism
School of Law—Bloomington⁴
School of Library and Information Science
School of Music
School of Optometry
School of Public and Environmental Affairs³
University Division⁵
University Graduate School

Indiana University–Purdue University Indianapolis

School of Allied Health Sciences
Kelley School of Business¹
School of Continuing Studies²
School of Dentistry
School of Education³
School of Engineering and Technology (Purdue University)
Herron School of Art
School of Journalism
School of Law—Indianapolis⁴
School of Liberal Arts
School of Medicine
School of Nursing³
School of Optometry
School of Physical Education
School of Public and Environmental Affairs³
School of Science (Purdue University)
School of Social Work
University College
University Graduate School

Indiana University East (Richmond)

Indiana University–Purdue University Fort Wayne

Indiana University Kokomo

Indiana University Northwest (Gary)

Indiana University South Bend

Indiana University Southeast (New Albany)

¹There are two separate bulletins for the Bloomington and Indianapolis undergraduate business programs; please specify which of the two bulletins you need. The graduate business programs for Bloomington and Indianapolis are also separate. Contact the school for a bulletin describing these programs.

²Bulletins on the General Studies Degree Program, Independent Study Program, and Division of Labor Studies are available from this school.

³Two bulletins are issued: graduate and undergraduate.

⁴There are two Indiana University schools of law. Be sure to specify whether you want a bulletin of the Bloomington or Indianapolis school.

⁵Available only to admitted University Division students.

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