

Indiana University

INDIANA UNIVERSITY BULLETIN.
SCHOOL OF DENTISTRY. INCLUDES
GRADUATE, DENTAL HYGIENE AND
DENTAL ASSISTING PROGRAMS. 1983-85

JUN 2 '83

COLLEGE CATALOG

School of Dentistry

Indianapolis Campus

Dentistry

Indiana University Bloomington

- * College of Arts and Sciences
- School of Journalism
- * School of Business¹
- * School of Continuing Studies²
- * School of Education¹
- * School of Health, Physical Education, and Recreation
- * School of Law-Bloomington
- * School of Music
- * School of Optometry
- * School of Public and Environmental Affairs
- * Graduate School
- * School of Library and Information Science
- * University Division

Indiana University-Purdue University at Indianapolis

- * School of Business¹
- * School of Continuing Studies²
- * School of Dentistry
- * School of Education¹
- School of Engineering and Technology (Purdue University)
- * Herron School of Art
- * School of Journalism
- * School of Law-Indianapolis
- * School of Liberal Arts
- * School of Medicine
 - * Division of Allied Health Sciences
 - * Division of Continuing Medical Education
- * School of Nursing
- * School of Physical Education
- * School of Public and Environmental Affairs
- School of Science (Purdue University)
- * School of Social Work
- IUPUI University Division
- IUPUI Columbus (Indiana)

The Regional Campuses

Indiana University East (Richmond)
Indiana University at Kokomo
Indiana University Northwest (Gary)
Indiana University at South Bend
Indiana University Southeast (New Albany)
Indiana University-Purdue University at Fort Wayne (IPFW)

Bulletins for the divisions of the University marked (*) above may be obtained from the Office of Admissions, Student Services Building, Indiana University, Bloomington, Indiana 47405. (Please note that there are two Indiana University Schools of Law and be sure to specify whether you want a bulletin of the Bloomington or the Indianapolis School.)

IUPUI bulletins for Purdue programs and for the IUPUI University Division may be obtained by writing directly to those units on the Indianapolis campus.

Write directly to the individual regional campus for its bulletin.

¹ Two bulletins are issued: graduate and undergraduate.

² Brochures on the Independent Study Division, Labor Studies, External Degrees, and Real Estate Certification Program are available from this School (Owen Hall).

Indiana University Bulletin 83-85

School of Dentistry

Indianapolis Campus

CLARENCE W. IRWIN, JR., M.D., Vice President

Second Semester, Tentative

Classes begin in all schools. Spring recess begins for all students. Spring recess ends for all students. Final examinations begin. Final examinations end. Communication Tentative

University Hospitals

Summer Session 1984, Tentative

Summer Session begins. Memorial Day—Holiday. Summer session ends. Class closed.

SCHOOL OF DENTISTRY

CLARENCE W. IRWIN, JR., M.D., Vice President
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While every effort is made to provide accurate and current information, Indiana University reserves the right to change without notice statements in the Bulletin series concerning rules, policies, fees, curricula, courses, or other matters.

Calendar

School of Dentistry, Medical Center Campus

Summer Session, 1983

Summer Session begins, 8:30 a.m.
Memorial Day—School closed
Independence Day—School closed
Summer Session ends, 4:30 p.m.

May 16, M
May 30, M
July 4, M
July 22, F

First Semester

Classes begin for all students
Labor Day Holiday
Dental Alumni Days (Bloomington—classes as usual)
Thanksgiving Recess begins, 5 p.m.—Clinics closed
Thanksgiving Recess ends, 8 a.m.—Clinics open
Final examinations begin
Final examinations end

Aug. 24, W
Sept. 5, M
Sept. 22-24, R-S
Nov. 22, T
Nov. 28, M
Dec. 12, M
Dec. 16, F

Second Semester, Tentative

Classes begin for all students
Spring recess begins for all students, 5 p.m.
Spring recess ends for all students, 8 a.m.
Final examinations begin
Final examinations end
Commencement (Tentative)

Jan. 9, M
March 16, F
March 26, M
April 30, M
May 4, F
May 13, S

Summer Session 1984, Tentative

Summer Session begins, 8 a.m.
Memorial Day—Holiday
Summer Session ends, 5 p.m.—Clinics closed

May 14, M
May 28, M
July 20, F

INDIANA UNIVERSITY BULLETIN

OFFICIAL SERIES (USPS 262440)

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The 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 Council on Dental Education of the American Dental Association. The School is located in Indianapolis and is an integral part of the University's Medical Center. Graduates are currently practicing in nearly all of the fifty states and most of the countries of the world.

Through the facilities of Indiana University several programs of study at the undergraduate level are available to persons interested in pursuing a career in dentistry. These include the following: one-year programs for dental assistants at the School of Dentistry in Indianapolis, on the Fort Wayne, Gary, and South Bend campuses of Indiana University, and on the Evansville campus of Indiana State University; three-year associate degree programs for dental hygienists at Indianapolis, Fort Wayne, Gary, South Bend, and Evansville; four-year degree programs for dental hygienists at Indianapolis, Fort Wayne, and Evansville; and a two-year associate degree program in dental laboratory technology at Fort Wayne and Evansville. 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 College of Arts and Sciences.

Additional information concerning any of these programs may be obtained by writing to the appropriate address listed on the inside back cover.

A communication from the United States Department of Education has suggested that data regarding the average starting income for previously enrolled students and the percentage of such students who obtained employment in such positions be made available. In lieu of specific information, the American Dental Association reports that the median net income of dentists in Indiana practicing privately in 1981 was approximately \$80,000.

Dental Library

The library, located in the School of Dentistry Building, contains approximately 20,000 books, 5,500 audiovisuals and 2200 periodical titles encompassing all the areas of dentistry and several fields in the allied sciences, including medicine. The library currently receives 535 periodicals covering these subjects. Numerous gifts of books and periodicals are received from graduates and friends of the School. Dental students also have access to the library of the School of Medicine.

Dental Clinics

Clinical facilities are excellent, and patients are drawn from a population area of some 1,000,000 persons. The great variety of cases treated provides each student with abundant opportunity to perfect techniques.

The School also maintains dental clinics in Riley and Long hospitals and the Regenstrief Center, all on the Medical Center campus, and students also attend clinics at Wishard Memorial and Veterans Administration hospitals.

In addition to providing instruction for the students, members of the faculty are available for lectures and clinics before district and local dental societies and study clubs throughout the state.

The dental clinics remain open during most of the summer months. Except for students on probation, attendance in the clinics is not required, but all students are encouraged to attend and to obtain additional clinical instruction and experience. Required lectures are held during the summer following the second year.

Living Facilities

Single and married students from all Indiana University Indianapolis schools and divisions are eligible to file housing applications for accommodations which are located on the Medical

Center campus. Applications should be filed as early as possible, since there is always a waiting list.

Accommodations for single men and women are available in the Single Student Dormitory, which connects directly with the Union Building.

Efficiency and one-bedroom type apartments, unfurnished and furnished, are available in the Warthin Apartment Building, the Union Building, and the Graduate Townhouses.

Inquiries concerning University housing and requests for applications should be addressed to: Associate Director of Housing, Indiana University Medical Center, Room 326, SS Dorm, 1300 West Michigan Street, Indianapolis, Indiana 46202. An off-campus rental information file is also located in the Medical Center Housing Office, where interested persons may check the card file in person for rental listings.

Student Health Service

The Indiana University Medical Center offers a health service for all full-time students on the campus of Indiana University-Purdue University at Indianapolis. (Part-time students can participate in Student Health Service by payment of a fee.) Designed to promote the general health of students, the service offers complete outpatient clinical and laboratory examinations, immunizations, treatment for minor illnesses and injuries by physicians of the Student Health Service, and referrals to specialty clinics elsewhere in the Medical Center. Emergency treatment in the evening and on weekends and holidays is available at Wishard Memorial Hospital. Health insurance providing coverage beyond these services, and including coverage for dependents, is available to all students at their option.

Fees

Fees are paid at the time of registration and are subject to change by action of the Board of Trustees.

Fee Schedule—1982-83

School of Dentistry

	Indiana Resident	Nonresident
Dentistry-Undergraduate ¹	\$2,800 per year	\$6,000 per year
Dentistry-Graduate ¹	57.50 per credit hour	157.75 per credit hour
Hygiene-1st and 2nd year	40.25 per credit hour	105.75 per credit hour
Dental Assisting	40.25 per credit hour	105.75 per credit hour
Summer Session		
Undergraduate	40.25 per credit hour	105.75 per credit hour
Graduate	57.50 per credit hour	157.75 per credit hour
Regional Campuses		
Undergraduate	37.25 per credit hour	91.00 per credit hour
Admission Application ²	20.00	20.00

¹ An advance payment of \$25 (\$500 for graduate students) on fees is required after a student has been accepted. This advance payment is not returnable, but is applicable toward fees.

² This fee is paid only once, is not refundable 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 the Bloomington or any other Indiana University campuses) will be required to pay this fee. A money order or check must be sent in a special envelope provided for this purpose.

Fee Refund Schedule

When a student withdraws from a course or courses, a refund of fees will be made for each course as follows:

First and Second Semesters	Refund for Withdrawal
First week, or through Class Change Day	100%
Second and third weeks	50% or all fees paid except \$50, whichever is larger
Thereafter	none
Summer Sessions	
First and Second Sessions (courses 6 to 14 weeks in duration)	
First week or through Class Change Day	100%
Second week	50% or all fees paid except \$50, whichever is larger
Thereafter	none

Fee Refund Procedure

Students may obtain refunds by applying to the Registrar’s Office when they withdraw from classes.

Approximate Expenses (in Addition to Fees)

	First Year	Second Year	Third Year	Fourth Year
Dental Textbooks	\$ 353	\$401	\$270	—
Dental Instruments—Undergraduate ¹	1,475	1,254	531	440
Dental Instruments—Graduate ¹				
Dental Hygiene Textbooks	350	200	—	—
Dental Hygiene Instruments and Uniforms	308	195	—	—
Dental Assisting Textbooks	283	—	—	—
Dental Assisting Instruments and Uniforms	280	—	—	—

Student Loans. Financial assistance may be obtained for members of all four classes on the basis of need through the Student Financial Aids Office, Berkey Building. Loans are also available through the Indiana Dental Association, and it is usually possible to make arrangements through commercial banks for various loan programs. A brochure describing the various types of financial aids is available upon request from the Office of the Director of Records and Admissions.

¹ Includes purchase and rental costs.

American Student Dental Association. The local chapter of this organization is fully recognized by the American Dental Association, and membership is open to all students in the School of Dentistry. The function of the organization 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.

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

Honor Fraternity. The national dental honorary fraternity, Omicron Kappa Upsilon, is represented by the component chapter of Theta Theta. All nominations are made from the upper one-fifth of the graduating class, with membership being voted annually by the faculty members to 12 percent of the class. The key, which is symbolic of the fraternity, is awarded to each newly elected member.

The national dental hygiene honor society, Sigma Phi Alpha, is represented by the component Theta chapter. All nominations are made from the upper one-fifth of the graduating class, with membership being voted annually by the faculty members to 10 percent of the class. The key, which is symbolic of the fraternity, is awarded to each newly elected member.

Predental Information

Predental Counseling. Students may be admitted to the School of Dentistry upon receipt of a baccalaureate degree or at the end of 90 semester hours (135 quarter hours) of college credit.

Predental students desiring to discuss their academic programs may arrange appointments with predental advisers either at Bloomington or in Indianapolis. Interested students may write or call the Coordinator of Records and Preprofessional Counseling of the School of Dentistry in Indianapolis. Notices of the presence of predental advisers on the Bloomington campus also appear periodically in the announcement column of the *Indiana Daily Student*.

Predental Work. Most students accepted by the Indiana University School of Dentistry attain a baccalaureate degree prior to enrollment. The predental collegiate training may be taken at any accredited college or university in the U.S.A. No required courses can be taken on a Pass/Fail basis. Special credit for required courses may be acceptable if all portions of the course work (i.e., lecture, laboratory) have been properly evaluated. 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, for example, must always include lecture and laboratory. Further, it is advisable to include extra work in the areas of biology and chemistry. Additionally, courses in the social sciences, humanities, mathematics, literature, art, and medical terminology are recommended.

Since the prescribed curricula vary greatly from college to college, students who are not certain about the arrangement of their predental work are advised to contact the Coordinator of Records and Preprofessional Counseling, Indiana University School of Dentistry, 1121 West Michigan Street, Indianapolis, Indiana 46202. Students who take their predental work at other schools will be required to have it evaluated to determine whether or not it has met the standards of admission of the School of Dentistry.

It is recommended that the student complete the general chemistry, organic chemistry, and biology requirements in the first two years, leaving physics for the third year, as there are questions over the first three areas on the Dental Admissions Test.

Application Procedure. Students are enrolled each August. Candidates should make formal application approximately a year before they wish to be admitted to the School of Dentistry. Application deadline is December 1.

Applications can be obtained from the office of the Coordinator of Records and Preprofessional Counseling. Applicants will be requested to submit official transcripts from each college attended; unofficial transcripts will be accepted from applicants having attended any

Indiana University regional campus. There is a \$20 graduate application fee for all applicants who have not previously attended Indiana University.

Applicants will also be required to take the American Dental Association Admissions Test. This test, for which there is a \$25 examination fee, is given in October and April of each year. Applicants must take the Dental Admissions Test no later than October, if they plan to enter the School of Dentistry the following August. Students are further advised to take this test only after completing the required chemistry and biology courses. The admission test is usually taken in the junior year. Questions regarding interpretation of scores may be referred to the Dental School Coordinator of Records and Preprofessional Counseling.

Details concerning this test may be obtained by contacting the School of Dentistry (see back cover) or by writing the American Dental Association, 211 East Chicago Avenue, Chicago, Illinois 60611.

For admission to the School of Dentistry, a student must have earned a minimum of 90 semester hours or 135 quarter hours of approved predental collegiate credit to include:

Two semesters or three quarters of English (minimum of four semester credit hours or six quarter credit hours), which should include one semester of English composition; and one semester of interpersonal communication (or public speaking if interpersonal communication is not available).

Two semesters or three quarters of biology or zoology

Two semesters or three quarters of general physics

Two semesters or three quarters of general chemistry

One semester or two quarters of organic chemistry

All science requirements must include a laboratory.

One semester or one quarter of Introductory Psychology

One semester or one quarter of Business

At least one course in Solid Art should be recommended in the predental curriculum.

Indiana residents must have a minimum of 2.5 (on a 4.0=A scale) overall grade-point average and a 2.5 science grade-point average. DAT averages of 3 are recommended. For nonresidents of Indiana, a minimum overall grade-point average of 3.0 (on a 4.0=A scale), and a 3.0 science grade-point average are required. Dental Admissions Test averages of 4 are suggested for consideration.

All qualified applicants will be invited to have personal interviews with representatives of the Admissions Committee.

Selection criteria include, but are not limited to, overall grade-point average, science grade-point average, Dental Admission Test scores, interviews, recommendations, residency, years and hours of college credit, degrees received, motivation, exploration of dentistry, manual and artistic skills, character, personality, ethics, and health. Although applications from all underrepresented groups are encouraged, the Indiana University School of Dentistry Admissions Committee reviews all applications without discriminating in favor of or against any applicant because of sex, race, creed, religion, handicap, or national origin. Selections are made, on an individual basis, upon appraisal of the applicant's established record and potential for development.

Preferential consideration will be given to applicants who are residents of Indiana.

Admission to Advanced Standing. Credentials indicating satisfactory completion of courses in a school which has at least comparable preliminary requirements and maintains a similar curriculum will be considered for admission of a student to the School at an advanced level. Examinations in all subjects may be required of applicants for advanced standing. Occasionally, graduates of foreign dental schools who desire a degree from Indiana University may be admitted. These students are given a course of study which requires a minimum of three years. Details are available through the Admissions Office.

Academic Information

B.A./D.D.S. Program. Students admitted to the School of Dentistry after completing 90 hours in the College of Arts and Sciences at Indiana University, and who have satisfied the Group I-V requirements, including a concentration in the College, may apply 32 hours earned in their first year in dentistry as electives and at the end of this year earn the B.A. degree. Foreign language is not a requirement of the School of Dentistry; however, it is required in the Combined Degree Program for Indiana University College of Arts and Sciences.

Students not attending an Indiana University campus should consult the department of concentration at their respective university to investigate the possibility of participating in the Combined Degree Program.

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. Voluntary withdrawals require the approval of the Dean. In those cases where 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 and classroom work. The quality of a student's work will be indicated by the following grades: A, B, C, D, S (satisfactory), F (failure), and I (incomplete). A failure requires repetition of the course. Plus or minus grades may be assigned by the faculty at their own discretion.

Incompletes. A student who misses a final examination and who has 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 Incomplete 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 Incomplete may be removed if the student completes the work within the time limit or if the Dean authorizes the change of the Incomplete to W. Students may not re-enroll in a course in which they have a grade of Incomplete.

Counseling. Depending upon the nature of the need, students are invited and encouraged to call upon the Dean, Associate and Assistant Deans, Director of Clinical Dentistry, or any other faculty or staff member for counseling or advice. A formal student counseling program has been developed and has proven effective in assisting students who experience academic and personal problems.

Attendance. Attendance of students in courses in which they are enrolled is mandatory. Discipline and responsibility are fundamental to the practice of dentistry. A policy disallowing unexcused absences is an assurance that each student will obtain maximum exposure to the information and the clinical and laboratory experiences available in the curriculum.

Unexcused absence from any class will call for the following penalties: first absence, a discussion with the course administrator; second absence, a discussion with the Dean; third absence, a failing grade in the course.

Unexcused absence from clinics will result in the following penalties: first absence, a discussion with the Director of Clinical Dentistry; second absence, a discussion with the Dean; third absence, dismissal from Dental School.

The minimum attendance for any course, other than clinic, is 85 percent of the time scheduled for instruction. The margin of 15 percent is only for unavoidable absences, such as illness, death of a relative, and other causes that the instructor considers acceptable. In case of unavoidable absences such as described above, when properly attested, whereby attendance falls to below 85 percent during any semester, the student may be permitted to make up work

at his/her own expense. Such work must have the sanction of the instructor in charge of the course.

Probation

Criteria for probationary status:

- A. Failure of any course.
- B. An earned semester grade-point average below 2.0.
- C. Combined total of 30 percent or more of all enrolled credit hours graded as D.
- D. Re-enrollment following a period of suspension.

Suspension. No dental student who has been suspended may be graduated with honors, or receive an award on Honors Day.

Criteria for suspension:

Any dental student found guilty of academic dishonesty as described in "Student Rights and Responsibilities", IUPUI, page 3, section I, item 1.13 a, (4) shall be given a grade of F in the course involved, and shall be suspended for a minimum of 12 months (also see "Dismissal").

Dismissal. Academic dismissal will be considered by the Dental School Faculty Council upon a recommendation from a Promotion Committee. Students to be considered for dismissal will be granted the opportunity to personally appear before the Faculty Council. This constitutes the appeal process for academic dismissal.

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:

- A. Any dental student who earns probationary status for a total of three semesters and has an earned cumulative grade-point average below 2.0.
- B. Any dental student who receives a grade of F in a combined total of 50 percent or more of the semester credit hours in which he or she is enrolled.
- C. Any dental student achieving suspension a second time.
- D. Any dental student who demonstrates a lack of acceptable professional behavior: e.g., non-attendance to clinical duties, neglect of attention or responsibility toward assigned patients.
- E. When in the judgment of the faculty there is a lack of progress toward the degree requirements.

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

Certification for Graduation

- A. 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 advanced standing dental students may be given credit for equivalent enrollment in other schools.
- B. A dental student must have achieved a minimum of 2.0 overall grade-point average.

Leave of Absence Policy

- A. No student may be granted a leave of absence solely because of poor academic performance.
- B. Granting of all leaves must be approved by the Dean of the Dental School (or the Dean's designee), as well as the conditions for reinstatement following such a leave.
- C. Written certification shall be required of the appropriate person or agency confirming the need for a leave of absence and for concluding a leave of absence.

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

The Multi-Track Dental Education Program

The first three years of the dental curriculum are referred to as the Core Curriculum, which consists of courses in the basic sciences and preclinical sciences, or dental laboratory technic courses. In addition, clinical experiences commensurate with the level of training are increased each year. During the fourth year, all students are enrolled in the Family Practice Program in which the major responsibility for planning the course of study is assumed by the student.

The educational program is outlined below. **(ALL CLASSES AND SCHEDULES ARE SUBJECT TO CHANGE WITHOUT NOTICE.)**

First Year—First (Fall) Semester (Aug-Dec)

<i>Course No.</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Contact Hours/Week</i>
D501	Introduction to Clinical Dentistry	1.0	1.5
	3-2 hr. Behavioral Mgmt. Lectures (D503)		
	1-2 hr. Oral Diagnosis Lecture (Entire Class)		
	1-3 hr. Oral Diagnosis Clinic		Students
	1-3 hr. Riley Dental Clinic Orientation and Pretest (½ class)		are
	1-3 hr. Riley Dental Clinic (½ class)		Assigned
	1-3 hr. Pedodontic Clinic		
	3-3 hr. Plaque Clinic		
	2-3 hr. Clinical Correlation Seminars (B505)		
D504	History of Dentistry and Ethics Lecture	1.0	1.0
D505	Biochemistry for Dental Students Lecture and Laboratory	6.0	5.4
D507	Oral Biology Lecture	2.0	1.9
D509	Tooth Morphology Lecture	1.0	2.0
D510	Tooth Morphology Laboratory	1.5	1.0
D513	Histology Lecture and Laboratory	5.0	3.0
			2.0
D515	Operative Dentistry Lecture	1.5	6.0
D516	Operative Dentistry Laboratory	5.0	1.3
			10.0
Totals:		24.0	35.1

First Year—Second (Spring) Semester (Jan-May)

		<i>Credit Hours</i>	<i>Contact Hours/Week</i>
D502	Introduction to Clinical Dentistry	1.0	1.5
	7 Local Anesthetic Lectures		
	1-3 hr. Riley Dental Clinical Orientation and Pretest (½ class)		Students are Assigned
	1-3 hr. Riley Dental Clinic (½ class)		
	2-3 hr. Oral Diagnosis Clinic		
	1-3 hr. Local Anesthetic Clinic		
	1-3 hr. Periodontic Laboratory (D553)		
	2-3 hr. Periodontic Clinics (D553)		
D503	Practice Administration I	1.0	1.0
F509	Human Physiology Lecture and Laboratory	7.0	5.0 4.0
D511	Neuro Development and Gross Human Anatomy Lecture and Laboratory	6.0	4.1 3.6
D517	Operative Dentistry Lecture	1.5	1.0
D518	Operative Dentistry Laboratory	3.0	6.0
D519	Radiology Lecture	1.0	.7
D520	Occlusion Lecture	1.0	1.0
D521	Occlusion Laboratory	1.0	2.0
D553	Periodontics Lecture (Laboratory & Clinic)	2.0	2.1
Totals:		24.5	32.0

Students receive letter grades in each of the above-listed courses except D501 & D502. Satisfactory-Fail (S-F) grades are given for these two courses.

Second Year—First (Fall) Semester (Aug-Dec)

		<i>Credit Hours</i>	<i>Contact Hours/Week</i>
D602	Principles of Orthodontics Lecture	1.0	1.0
D603	Clinic for Second-Year Students	1.0	1.6
	3-3 hr. Operative Dentistry Clinics		
	3-3 hr. Periodontic Clinics		
	1-3 hr. Graduate Periodontic Clinic		
	1-3 hr. Oral Hygiene Instruction		
	2-3 hr. Radiology Clinics (D629)		
C607	General Pathology Lecture and Laboratory	5.0	3.0 4.0
D607	Periodontic Lecture	1.0	1.0
D608	Oral Histology and Pathology Lecture	2.0	2.0
D612	Dental Materials Lecture	3.0	3.0
D613	Fixed Partial Prosthodontics Lecture	3.0	3.0
D614	Fixed Partial Prosthodontics Laboratory	4.0	8.0
D629	Radiology Lecture and Clinic	1.0	.9
J650	Microbiology for Dental Students Lecture and Laboratory	3.5	2.0 2.5
Totals:		24.5	32.0

Second Year—Second (Spring) Semester (Jan-May)

Course No.	Course Title	Credit Hours	Contact Hours/Week
D601	Craniofacial Growth and Development Lecture	1.0	1.0
D604	Clinic for Second-Year Students	1.5	1.6
	3-3 hr. Operative Dentistry Clinics		
	3-3 hr. Periodontic Clinics		
	1-3 hr. Graduate Periodontic Clinic		
	1-3 hr. Oral Hygiene Instructions		
	2-3 hr. Radiology Clinics (D630)		
D609	1-3 hr. Oral Surgery Clinic & Seminar (D632)		
	Oral Histology and Pathology Lecture	3.0	3.0
D610	Oral Histology and Pathology Laboratory	1.0	2.0
D615	Fixed Partial Prosthodontics Lecture	2.0	2.0
D616	Fixed Partial Prosthodontics Laboratory	3.0	6.0
D617	Endodontics Lecture	1.0	1.0
D618	Endodontics Laboratory	1.5	3.0
D619	Removable Partial Prosthodontics Lecture	2.0	2.0
D620	Removable Partial Prosthodontics Laboratory	2.0	4.0
D630	Radiology Seminar	.5	.4
D632	Oral Surgery Orientation & Clinical Seminar	.5	.3
D635	Complete Denture Lecture	4.5	2.0
	and Laboratory		3.5
	and Clinic		3.0
Totals:		23.5	34.8

Students receive letter grades in each of the above listed courses except D603, D604 and D632. Satisfactory-Fail (S-F) grades are given in these three courses. Classes are scheduled for 15 weeks each semester for the first two years (600 clock hours). The 16th week is used for final examinations.

Third Year—First (Fall) Semester (Aug-Dec)

Course No.	Course Title	Credit Hours	Contact Hours/Week
D763	Complete Denture Lecture	1.0	1.0
D771	Orthodontic Diagnosis and Treatment Planning Lecture	1.0	1.0

The above two courses are completed during the Summer Session following the second year.

D703	Public Health Lecture	1.0	1.0
D723	Operative Dentistry Lecture	1.0	1.0
D724	Operative Dentistry Clinic	2.0	6.0
	Students appoint their assigned patients		
D727	Radiology Seminar	.5	.4
	Students are assigned 2 one-half days		
D731	Oral Diagnosis Lecture	1.0	1.0
D732	Oral Diagnosis Clinic	1.0	2.6
	Students are assigned 12 one-half days		
D733	Oral Surgery Lecture	1.0	1.0
D734	Oral Surgery Clinic	.5	1.5
	Students are assigned 6 one-half days		
D753	Periodontics Lecture	1.0	1.0
D754	Periodontics Clinic	2.0	6.0
	Students appoint their assigned patients		
D761	Advanced Pedodontic Technic	.5	1.5
	Auto Instruction—students schedule their own progress		
D762	Pedodontic Lecture	1.0	1.0
D764	Complete Denture Clinic	2.0	6.2
	Students appoint their assigned patients		
	Students are assigned 1 one-half day		
D772	Introduction to Clinical Orthodontics	1.5	3.0
D791	Removable Partial Prosthodontics Lecture	1.0	1.0
D794	Pharmacology Lecture	2.0	2.0
Other Special Clinic Assignments:			
	Riley Hospital Dental Clinic		
	Students are assigned 2 one-half days		.4
	Fixed Partial Prosthodontics Clinic		
	Students are assigned 6 one-half days		1.2
Totals:		21.0	39.8

Third Year—Second (Spring) Semester (Jan-May)

<i>Course No.</i>	<i>Course Title</i>	<i>Credit Hours</i>	<i>Contact Hours/Week</i>
D701	Jurisprudence Lecture	1.0	1.0
D702	Practice Administration II Lectures	1.5	1.4
D705	Therapeutics and Dental Pharmacology Lecture	1.0	1.0
D706	Local and General Anesthesia Lecture	1.0	1.0
D714	Preventive Dentistry Clinic	.5	1.5
	Students appoint their assigned patients		
D718	Fixed Partial Prosthodontics Clinic	1.5	4.5
	Students appoint their assigned patients		
	Students are assigned 1 one-half day		
D725	Operative Dentistry Lecture	1.0	1.0
D726	Operative Dentistry Clinic	1.5	4.5
	Students appoint their assigned patients		
D728	Radiology Clinic	.5	.4
	Students are assigned 2 one-half days		
D731	Oral Diagnosis Lecture	1.0	1.0
D732	Oral Diagnosis Clinic	1.0	2.6
	Students are assigned 12 one-half days		
D735	Oral Surgery Lecture	1.0	1.0
D736	Oral Surgery Clinic	.5	1.5
	Students are assigned 5 one-half days		
D756	Periodontic Clinic	1.5	4.5
	Students appoint their assigned patients		
D765	Complete Denture Clinic		
	Students appoint their assigned patients	1.5	4.5
	Students are assigned 1 one-half day		
D766	Pedodontic Lecture	1.0	1.0
D780	Endodontic Clinic	1.5	4.5
	Students appoint their assigned patients		
D781	Internal Medicine Lecture	1.0	1.0
D795	Removable Partial Prosthodontics Lecture	1.0	1.0
Totals:		19.0	38.9

Students receive letter grades in each of the above-listed courses except D727. Satisfactory-Fail (S-F) grades are given in this course.

Classes are scheduled for 15 weeks each semester during the third year (637.5 clock hours). The 16th week is used for final examinations. Any student who completes all clinical requirements for certification for graduation by the end of the summer session after the third year may apply, with the consent and support of the Department Chairman, for admission to the Division of Graduate Education during the fourth year.

Fourth Year—First (Fall) Semester (Aug-Dec)

Course No.	Course Title	Credit Hours	Contact Hours/Week	Grades
D818	Fixed Partial Prosthodontics Clinic	2.0	6.0	Letter
D837	Basic Cardiac Life Support Review & Laboratory	1.0	1.0	S-F
	This course is completed during the Summer Session following the third year.			
D867	Pedodontic Clinic	2.0	6.0	Letter
	Students are assigned 24 one-half days— $\frac{1}{3}$ class in third year, second semester			
	$\frac{1}{3}$ class in Summer Session following the third year			
	$\frac{1}{3}$ class in fourth year, first semester			
D874	Family Practice Program	6.5	18.5	S-F
	Students appoint their assigned patients to all clinics to complete clinical requirements. In addition, students must appoint their assigned patients to:			
	Operative Dentistry Clinic—4 times each month (Sept-March)			
	Periodontic Clinic—2 times each month (Sept-April)			
	Students will be assigned to:			
	Oral Surgery Clinic—2 times			
	Endodontics Clinic—2 times			
D876	Intramural Program Electives	.5	1.5	S-F
	Additional elective courses are available to students other than this required amount			
D884	Practice Administration III Clinic (TEAM)	1.0	3.0	S-F
	Students are assigned one week each— $\frac{1}{3}$ class in Summer Session following third year			
	$\frac{1}{3}$ class in fourth year, first semester			
Totals:		$\frac{2}{3}$ class—13.0	36.0	
		$\frac{1}{3}$ class—12.0	33.0	

Fourth Year—Second (Spring) Semester (Jan-May)

D851	Extramural Programs	1.5	4.5	S-F
	Students may complete this two-week required experience during the Summer following the third year, the first semester of the fourth year, or the second semester of the fourth year.			
D873	Wishard Hospital Program	1.0	3.0	S-F
	Students are assigned a maximum of 7 days— $\frac{1}{3}$ class in Summer Session following third year			
	$\frac{2}{3}$ class in fourth year			
D875	Family Practice Program (see D874 above)	7.5	21.0	S-F
D877	Intramural Program Electives (see D876 above)	.5	1.5	S-F
D885	Practice Administration III Clinic (TEAM)	1.0	3.0	S-F
	Remaining $\frac{1}{3}$ class assigned one week each			
D896	Removable Partial Prosthodontics Clinic	1.5	4.5	Letter
Totals:		$\frac{2}{3}$ class—12.0	34.5	
		$\frac{1}{3}$ class—13.0	37.5	

Fourth Year Clinics are scheduled for 15 weeks each semester (487.5 clock hours).

Summer Sessions (May-July)

Course No.	Course Title	Credit Hours	Contact Hours/Week
D600	Clinical Procedures Elective for students following first year. 79% of students utilize this time to treat patients. See Second Year—First Semester—D629	3.0	9.0
D650	Extramural Programs One week required for all students following first year	1.0	3.0
D700	Clinical Procedures Elective for students following second year. 100% of students utilize this time to treat patients. See Third Year—First Semester—D763 & D771	2.5	7.5
D750	Extramural Programs One week required for all students following second year	1.0	3.0
D800	Clinical Procedures Elective for students following third year. 100% of students utilize this time to treat patients. See Fourth Year—First Semester—D837, D867 & D884	3.0	9.0
D850	Extramural Programs One week required for all students following third year	1.0	3.0
Totals:		11.5	34.5
Satisfactory-Fail (S-F) grades are given for all Summer Session courses. Clinics are scheduled 10 weeks (325 clock hours) during each Summer Session.			

Fourth Year Totals:		164.5	173.0
D500	Clinical Procedures For irregularly enrolled students first or second semesters or Summer Session	2.5	7.5
D900	Clinical Procedures Required for all students following the fourth year who were not certified for graduation	5.5	16.5
D903	Clinical Procedures	1.5	4.5
		or	or
		4.5	13.5
Elective for students following fourth year who were certified for graduation in order to prepare for June State Board Examinations (1.5 cr. hrs., May registration). Those graduates who wish to utilize the facilities after State Boards until the end of session enroll in an additional 3 credit hours in June.			

Fifth Year—First (Fall) Semester (Aug-Dec)

Course No.	Course Title	Credit Hours	Contact Hours/Week
D901	Family Practice Program Continued Elective for students certified for graduation who wish to utilize clinical facilities until October	4.0 or 11.0	12.0 or 33.0
State Board Examinations (4 cr. hrs., August registration). Those graduates who wish to utilize the facilities after State Boards until the end of semester enroll in an additional 7 credit hours in October.			
Required for all students not certified for graduation in either May or July. (11 cr. hrs.)			

Fifth Year—Second (Spring) Semester (Jan-May)

D902	Family Practice Program Continued Elective for students certified for graduation who wish to utilize clinical facilities. Required for all students not certified for graduation in May, July or December.	11.0	33.0
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Undergraduate Courses, 1983-85

The letter before the course number indicates field of study or category. The roman numeral after the year offered indicates the semester: I, 1st semester; II, 2nd semester. The figures given in parentheses with "cr." indicate credit hours.

Anatomy

- D509-D510 Tooth Morphology: First Year I (Lecture and Laboratory) (1-1.5 cr.)** Morphologic and functional study of the teeth; their arrangement and occlusion.
- D511 Human Anatomy: First Year II (Lecture and Laboratory) (6 cr.)** Gross anatomical features of human body; special emphasis on head and neck.
- D513 Histology: First Year I (Lecture and Laboratory) (5 cr.)** Histogenesis and minute structure of human tissues and organs; morphologic evidence of their function.

Biochemistry

- B505 Biochemistry for Dental Students: First Year I (Lecture and Laboratory) (6 cr.)** Chemical nature of major tissue constituents, intermediary metabolism, chemical regulation of body functions. Principles of nutrition; emphasis on biochemistry of teeth.

Complete Denture

- D635 Complete Denture: Second Year II (Lecture, Laboratory, and Clinic) (4.5 cr.)** Lectures, laboratory, and clinical exercises in basic techniques; prepares student to solve clinical problems encountered in third and fourth years.
- D763 Complete Denture: Third Year I (Lecture) (1 cr.)**
- D764 Complete Denture: Third Year I (Clinic) (2 cr.)**
- D765 Complete Denture: Third Year II (Clinic) (1.5 cr.)** Lectures, seminars, reading assignments, clinical practice; diagnosis and treatment planning and their influence on prosthetic procedures.

Dental Materials

- D612 Dental Materials: Second Year I (Lecture) (3 cr.)** Discussion and demonstration of physical and chemical properties of dental materials; effect of manipulation upon these properties; clinical applications stressed.

Endodontics

- D617-D618 Endodontics: Second Year II (Lecture and Laboratory) (1-1.5 cr.)** Correlation of basic endodontic procedures and related biological principles.
- D780 Endodontics: Third Year II (Clinic) (1.5 cr.)** Clinical applications of principles of endodontics taught in preclinic years. Correct selection of cases, effective treatment procedures, restoration of pulpless tooth following endodontic treatment.

Extramural Programs (See Summer Sessions entry)

- D851 Extramural Programs: Fourth Year II (Clinic) (1.5 cr.)** As part of their introduction to the problems of dental practice management, office procedures and providing comprehensive dental care to many different segments of the community, students are required to devote one week each summer session (D650, D750, D850) and two weeks during the fourth year (five weeks total) to this experience. Students may select from the following experiences: (1) Private dental office (2) State institutions (3) Community health centers (4) Hospital dental programs. Assignment is commensurate with the individual student's level of training and ability.

Family Practice Program

- D874-D875 Family Practice Program: Fourth Year I-II (6.5-7.5 cr.)** All fourth year dental students are enrolled in these courses for completion of clinical requirements for graduation. In addition, students must participate in various clinics by either assignment or voluntary sign-up.

D901 Family Practice Program Continued: Fifth Year I Elective for students who are certified for graduation but who are allowed to utilize dental school clinics until the October State Board Examination (4 cr.). Required for those students who are not certified for graduation by the end of the summer session following the fourth year (11 cr.)

D902 Family Practice Program Continued: Fifth Year II (11 cr.) Elective for students who are certified for graduation but who are allowed to utilize dental school clinics. Required for students not yet certified for graduation by the beginning of the Spring semester of their fifth year.

Fixed and Removable Partial Prosthodontics

D613-D614 Fixed Partial Prosthodontics: Second Year I (Lecture and Laboratory) (3-4 cr.)

D615-D616 Fixed Partial Prosthodontics: Second Year II (Lecture and Laboratory) (2-3 cr.) Lecture and laboratory cover fundamentals, indications, contraindications, and construction of full veneer and partial veneer crowns, the inlay as a retainer, use of pinledge, soldered joint and subocclusal rest, and indications and contraindications for fixed bridges.

D619-D620 Removable Partial Prosthodontics: Second Year II (Lecture and Laboratory) (2-2 cr.) Basic principles of diagnosis, surveying, mouth preparation, clasp design, saddle outline, types of bars and their rigidity, selection of teeth, assembly, processing and insertion and care of partial dentures.

D718 Fixed Partial Prosthodontics: Third Year II (Clinic) (1.5 cr.)

D791 Removable Partial Prosthodontics: Third Year I (Lecture) (1 cr.)

D795 Removable Partial Prosthodontics: Third Year II (Lecture) (1 cr.)

D818 Fixed Partial Prosthodontics: Fourth Year I (Clinic) (2 cr.) Clinical practice in diagnosis; pontic design and construction; indications and construction of porcelain and acrylic veneers, changes in vertical dimensions, and anterior MacBoyle retainer; classic impression technique, construction of bridge and partial veneer crowns.

D896 Removable Partial Prosthodontics: Fourth Year II (Clinic) (1.5 cr.) Survey of clinical models, splinting, and equilibration through grinding and restorative procedure.

Intramural Programs

D876-877 Intramural Program Electives: Fourth Year I-II (.5-.5 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.

Microbiology

J650 Microbiology for Dental Students: Second Year I (Lecture and Laboratory) (3.5 cr.) Microbiology as it applies to problems of the oral cavity; importance of microbiology to practicing dentists; methods and procedures of sterilization and asepsis.

Occlusion

D520-D521 Occlusion: First Year II (Lecture and Laboratory) (1-1 cr.) The student will be instructed in the relationships which exist between the teeth in the upper and lower jaws and the influence upon this relationship by the temporomandibular joint. The dynamics of occlusion and articulation will be studied in detail. Technique projects will be performed that reinforce the student's understanding of the dynamics of occlusion and articulation learned in the associated lecture course.

Operative Dentistry

D515-D516 Operative Dentistry: First Year I (Lecture and Laboratory) (1.5-5 cr.)

D517-D518 Operative Dentistry: First Year II (Lecture and Laboratory) (1.5-3 cr.) Training in principles of operative dentistry and basic technical procedures; classification of cavity preparation, instrumentation and manipulation, and physical properties of materials. Prepares for clinical program to follow.

D723-D724 Operative Dentistry: Third Year I (Lecture and Clinic) (1-2 cr.)

D725-D726 Operative Dentistry: Third Year II (Lecture and Clinic) (1-1.5 cr.) Clinical procedures in care of unit, working positions, application of rubber dam; anesthesia; impression procedures, selection of restorative materials, and cavity preparation for assigned patients.

Oral Diagnosis/Oral Medicine

D731-D732 Oral Diagnosis: Third Year II (Lecture and Clinic) (1-1 cr.) Lectures and clinical practice in oral examination, history taking, coordination of symptomatology; interpreting radiographs and detecting etiologic factors, both systemic and local, of oral disorders; clinical teaching supplemented by prepared case histories, with color photographs.

Oral Surgery

D632 Oral Surgery Orientation and Clinical Seminar: (Lecture-Seminar) (.5 cr.) Orientation and instruction in the basic theories and clinical techniques of exodontia and dentoalveolar surgery prior to clinical experience in the Department of Oral and Maxillofacial Surgery.

D706 Local and General Anesthesiology: Third Year II (Lecture) (1 cr.) A review of local anesthesia, principles of general anesthesia, nitrous oxide analgesia; diagnosis and treatment of medical emergencies.

D733-D734 Oral Surgery: Third Year I (Lecture and Clinic) (1-5 cr.)

D735-D736 Oral Surgery: Third Year II (Lecture and Clinic) (1-.5 cr.) Lectures, demonstrations, clinical practice in local anesthesiology, surgical anatomy, and basic principles of surgery; diagnosis and treatment of diseases and infections of face, neck, oral cavity, and adjacent tissues; supervised removal of teeth and minor surgery procedures.

D837 Cardiopulmonary Resuscitation Review and Laboratory: Fourth Year I (Auto Instruction and Lab) (1 cr.) Review of anatomy and physiology of the heart and lungs, conditions that may predispose to cardiovascular disease and means of modifying risk factors. Demonstration and practice of CPR psychomotor skills on adult and child manikins. Techniques for managing obstructed airways. Practical examination required for certification. Actually given during summer between third and fourth years.

Orthodontics

D601 Craniofacial Growth and Development: Second Year II (Lecture) (1 cr.) Growth and development of the craniofacial complex is presented in descriptive and theoretical terms as it relates to occlusion and orthodontics.

D602 Principles of Orthodontics: Second Year I (Lecture) (1 cr.) The diagnosis and etiology of dental, skeletal and neuromuscular components of malocclusions are presented.

D771 Orthodontic Diagnosis and Treatment Planning: Summer Session II (Lecture) (1 cr.) Orthodontics: Case analysis, treatment planning and management. Biology, biomechanics of tooth movement, sequelae thereof, and interaction with other phases of dentistry.

D772 Introduction to Clinical Orthodontics: Third Year I (Laboratory) (1.5 cr.) Students perform complete orthodontic case analysis on each other. Simulated tooth movement exercises with fixed appliances on a typodont and construction of removable appliances.

Pathology

C607 General Pathology: Second Year I (Lecture and Laboratory) (5 cr.) Principles of disease production in human body; gross specimens and histologic analyses as means of teaching common ways in which living tissues and organs of body respond to various injurious agents.

D608-D609 Oral Histology and Pathology: Second Year I-II (Lecture) (2-3 cr.) Microscopic study of oral tissues and their development, including developmental abnormalities and acquired disorders. Illustrated lectures covering oral lesions. Close association is maintained with clinical dental departments.

D610 Oral Histology and Pathology Laboratory: Second Year II (1 cr.) A laboratory course covering the microscopic study of oral lesions of both developmental abnormalities and acquired disorders.

Pedodontics

- D761 Advanced Pedodontic Technic: Third Year I (Auto Instruction) (.5 cr.)** Current advanced technical procedures in pedodontics.
- D762 Pedodontics: Third Year I (Lecture) (1 cr.)** Child management; growth, development, and morphology of the deciduous dentition; restorative and preventive procedures for children.
- D766 Pedodontics: Third Year II (Lecture) (1 cr.)** Restorative and preventive procedures for children.
- D867 Pedodontic Clinic: Fourth Year I (2 cr.)** Clinical assignments in practice of dentistry for children.

Periodontics

- D553 Periodontics: First Year II (Lecture, Laboratory, and Clinic) (2 cr.)** Study of the normal periodontium at the clinical, histologic, and biochemical levels; progression of periodontal disease from incipient gingivitis to advanced periodontitis and the etiologic agents responsible; procedures involved in carrying out a comprehensive periodontal examination and performing a dental prophylaxis.
- D607 Periodontics: Second Year I (Lecture) (1 cr.)** Diagnosis, treatment, and prevention of periodontal disease; maintenance of oral health.
- D753 Periodontics: Third Year I (Lecture) (1 cr.)**
- D754 Periodontics: Third Year I (Clinic) (2 cr.)** Periodontal diseases confronting the general practitioner, their etiology, symptomatology, and accepted methods of treatment.
- D756 Periodontics: Third Year II (Clinic) (1.5 cr.)** Review of principles taught in preceding years; emphasis on instrumentation and clinical procedures; subject material provided by clinical cases.

Pharmacology and Therapeutics

- D705 Therapeutics and Dental Pharmacology: Third Year II (Lecture) (1 cr.)** Lectures and quizzes in rational use of drugs, supported by pharmacotherapeutics, toxicology, posology, materia dentica, prescription writing and clinical demonstrations.
- D781 Internal Medicine: Third Year II (Lecture) (1 cr.)** The more important systemic diseases and drugs used in their treatment.
- D794 Pharmacology: Third Year I (Lecture) (2 cr.)** Lectures and quizzes; site and mechanism of typical drugs, drugs used most frequently in dentistry.

Physiology

- F509 Human Physiology: First Year II (Lecture and Laboratory) (7 cr.)** Study of muscle, nervous systems, body fluids, circulation, respiration, digestion, metabolism, excretion, endocrines, sense organs, and body systems.

Practice Administration

- D504 History of Dentistry and Ethics: First Year I (Lecture) (1 cr.)** Dentistry in prehistoric, ancient, medieval, and modern periods through textbook assignment; discussion of development of modern phases of practice; development of dental education traced; dental code of ethics explained.
- D503 Practice Administration I: First Year II (Lecture) (1 cr.)** Basic concepts in personnel and business management including communications, decision-making and accounting.
- D701 Jurisprudence: Third Year II (Lecture) (1 cr.)** Cases on elementary law; contracts and torts as applied to dental practice and professional relationships, duties and liabilities, malpractice, and statutes governing dental practice.
- D702 Practice Administration II: Third Year II (Lecture) (1.5 cr.)** Lecture on office administration including personnel and business management.
- D884-D885 Practice Administration III: Fourth Year I and II (Clinic) (1 cr.)** One week clinic experience during which students treat patients in a simulated private practice setting while applying management principles. Students will be enrolled in D884 or D885 based upon date of assignment.

Preventive Dentistry

- D507 Oral Biology: First Year I (Lecture) (2 cr.)** Lectures and laboratory exercises incorporated within the Biochemistry and Introduction to Clinical Dentistry courses in order to enhance clinical correlation of the basic sciences and correlation of the basic sciences with clinical activities.
- D714 Preventive Dentistry: Third Year II (Clinic) (.5 cr.)** Special clinic course to teach standard laboratory procedures in planning an effective preventive program for a dental patient; correlating diagnosis with treatment plan.

Public Health

- D703 Public Health: Third Year I (Lecture) (1 cr.)** Problems relating to public health as applied to dentistry; how health problems are integrated with local communities; state and national programs.

Radiology

- D519 Radiology: First Year II (Lecture and Self-Study) (1 cr.)** This course consists of lectures and student self-study. Principles of x-ray generation, nature and behavior of x-rays, chemistry of film processing, radiation biology and hygiene and radiographic interpretation are covered.
- D629 Radiology: Second Year I (Lecture and Clinic) (1 cr.)** The student will attend seven lectures on radiographic interpretation. In addition, he will be assigned to sessions for clinical reinforcement of the lecture material. He will be able to improve his interpretive ability during these sessions. The clinical sessions will be scheduled during both the summer and fall.
- D630 Radiology: Second Year II (Seminar) (.5 cr.)** The student is assigned to two one-half day sessions after which he will be able to demonstrate continuing competency in intra-oral radiography and radiographic interpretation. He will also receive instruction in lateral oblique jaw and occlusal technics.
- D727 Radiology: Third Year I (Seminar) (.5 cr.)** The student will be assigned to two one-half day sessions after which he will be able to demonstrate competency in extraoral radiographic technics and extraoral radiographic interpretation. Technics such as lateral head plates, cross-fire localization, temporomandibular joint studies and panoramics will be demonstrated and studied.
- D728 Radiology: Third Year II (Clinic) (1.5 cr.)** Radiology clinic experience.

Special Clinics

- D500 Clinical Procedures: For Irregularly Enrolled Students (2.5 cr.)** Summer, Fall and Spring Semesters. See Summer Sessions.
- D501-D502 Introduction to Clinical Dentistry: First Year I-II (1-1 cr.)** Orientation to the clinic, radiography, oral diagnosis and treatment planning, personal oral health, surgical procedures, and local anesthesia.
- D603-D604 Clinic: Second Year I-II (1-1.5 cr.)** Students are scheduled to treat assigned patients needing periodontics, operative dentistry, oral surgery and radiology.
- D873 Wishard Hospital Assignment: Fourth Year II (1 cr.)** Each fourth year student is assigned for approximately one week to gain experience with medical and dental emergencies. Will be assigned either Summer, Fall or Spring semesters.

Students are scheduled for numerous other special clinics in Wishard Memorial and Veterans Administration Hospitals, Riley and Long Hospitals, and the Regenstrief Center, as well as in the School of Dentistry.

Summer Sessions

- D600 Clinical Procedures: Summer Following First Year (3 cr.)** Elective for students who wish to utilize dental school clinics.
- D650 Extramural Programs: Summer Following First Year (1 cr.)** Each student is required to participate for one week in extramural settings.
- D700 Clinical Procedures: Summer Following Second Year (2.5 cr.)** Elective for students who wish to utilize dental school clinics.

- D750 Extramural Programs: Summer Following Second Year (1 cr.)** Each student is required to participate for one week in extramural settings.
- D800 Clinical Procedures: Summer Following Third Year (3 cr.)** Elective for students who wish to utilize dental school clinics.
- D850 Extramural Programs: Summer Following Third Year (1 cr.)** Each student is required to participate for one week in extramural settings.
- D500 Clinical Procedures: For Irregularly Enrolled Students (2.5 cr.)** Summer, Fall and Spring Semesters. See also Special Clinics.
- D900 Clinical Procedures:** Required during the Summer following the fourth year for those who were not certified for graduation (5.5 cr.).
- D903 Clinical Procedures:** Elective during the Summer following the fourth year for those who were certified for graduation. This is clinical privileges up to the June State Board Examination (1.5 cr.) or through the entire summer session (4.5 cr.)

Dental Auxiliary Education

Dental Hygiene

Director and Associate Professor Oldsen

Dean and Professor McDonald; Associate Dean and Research Professor Phillips; Associate Dean and Professor Standish; Distinguished Professor Shafer; Professors Dirlam, Gish, Goldblatt, Henderson, Kasle, J. McDonald, Niederpruem, Swartz, Swenson, Tomich; Associate Professors Dickey, C. Smith; Assistant Professors Mordarski, Niemann, Nieten, Rackley, Ryan, Totten, Weaver, Williamson, Young; Instructor McCullough

The dental hygienist is a member of the dental health team who provides 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 in Science degree and a program leading to a Bachelor of Science degree. (See inside back cover for listing of the dental hygiene programs.)

The objectives of the associate program are designed to allow students to:

1. Perform the traditional dental hygiene functions in a private dental practice.
2. Be clinically competent in current preventive oral health services.
3. Synthesize knowledge of the basic, social, and dental sciences in assessing and performing oral health services.
4. Employ decision-making skills in providing services in community health care programs.
5. Perform additional services as determined by projected dental health needs.
6. Prepare for admission to baccalaureate programs.

Admission Requirements. The freshman year may be taken at any accredited college or university. A total of 30 semester hours must be completed, with required courses including one semester each of English composition, chemistry with laboratory, psychology, sociology, public speaking, and two semester courses in arts and humanities. All applicants must maintain a 2.0 (on a 4.0 = A scale) average to be eligible for admission to the program. 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 in the spring after all credentials are received.

All applications and supporting materials are to be submitted by February 1. Applications to the program may be obtained by contacting: Director of Preprofessional Counseling, Indiana University School of Dentistry, 1121 W. Michigan Street, Indianapolis, Indiana 46202, or the director at any of the regional 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. The Dental Hygiene Admissions Committee reviews all applications without discriminating in favor of or against any applicant because of sex, race, creed, religion, handicap, or national origin. Selections are made on an individual basis, upon appraisal of the applicant's established record and potential for development.

Baccalaureate Degree Program. The bachelor's degree program provides the background for the dental hygienist to assume additional roles in the delivery of oral health services in local, state, and federal public health programs as well as in educational programs. Applicants must be graduates of an accredited dental hygiene program and have satisfactorily completed the National Board Dental Hygiene Examination. An application to the program may be obtained by contacting: Director, Dental Hygiene Program, Indiana University School of Dentistry, 1121 W. Michigan Street, Indianapolis, Indiana 46202. Application deadline is March 1.

Predental Hygiene (Suggested)

First Semester

English Composition
Sociology
Arts and Humanities
Chemistry with Lab

Second Semester

Arts and Humanities
Public Speaking
Psychology
Electives

First Year Dental Hygiene

First Semester, Total 16 cr.

DHYG H212 Human Biology I (4 cr.)
DHYG H214 Oral Anatomy (3 cr.)
DHYG H216 Chemistry and Nutrition (3 cr.)
DHYG H218 Fundamentals of Dental Hygiene (4 cr.)
DHYG H303 Radiology (1 cr.)
DHYG H224 Oral Histology and Embryology (1 cr.)

Second Semester, Total 18 cr.

DHYG H213 Human Biology II (4 cr.)
DHYG H308 Dental Materials (2 cr.)
MICR J200 Microbiology and Immunology (3 cr.)
MICR J201 Microbiology Laboratory (1 cr.)
DHYG H215 Pharmacology and Therapeutics (2 cr.)
DHYG H219 Clinical Practice I (4 cr.)
DHYG H242 Introduction to Dentistry (1 cr.)
DHYG H205 Medical and Dental Emergencies (1 cr.)

Second Year Dental Hygiene

First Semester, Total 14 cr.

DHYG H217 Preventive Dentistry (1 cr.)
DHYG H305 Radiology Clinic (1 cr.)
DHYG H304 Oral Pathology (2 cr.)
DHYG H301 Clinical Practice II (5 cr.)
DHYG H311 Dental Health Education (2 cr.)
DHYG H321 Periodontics (1 cr.)
DAE E351 Advanced Dental Materials for Dental Auxiliaries (2 cr.)

Second Semester, Total 12 cr.

DHYG H302 Clinical Practice II (5 cr.)
DHYG H305 Radiology Clinic (1 cr.)
DHYG H347 Dental Public Health, (4 cr.)
DHYG H344 Senior Hygiene Seminar (2 cr.)

Courses for the Professional Curriculum for Dental Hygienists

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.

H212-H213 Human Biology I-II: First Year (4-4 cr.) Gross and microscopic anatomy, physiology, embryology, and pathology of the human body with special emphasis on the head and neck.

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 (3-4 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.

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: First Year (2 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 Radiology Clinic (1 cr.)** Clinical application of intraoral and extraoral radiographs.
- H308 Dental Materials: First Year (2 cr.)** Composition, physical and chemical properties of materials used in dentistry.
- H311 Dental Health Education (2 cr.)** An introduction to basic communication and motivation skills, instructional objectives, learning theory, evaluation of educational materials, 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 (1-2 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 Dental Public 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 DAU principles and the manipulation of dental materials used in delegated intraoral functions.

Dental Assisting

Director and Assistant Professor Spencer

Dean and Professor McDonald; Associate Dean and Research Professor Phillips; Professors Barton, DeCastro, Dirlam, Henderson, Katz, Koerber, J. McDonald, Miller, Swartz; Associate Professor Moore; Assistant Professors Chisler, Hazelrigg, Niemann, Nieten, Williamson; Instructor Gruner.

The dental assisting program covers one academic year (two semesters) and includes approximately 1,000 hours of lecture, laboratory, and clinical instruction. Candidates for admission to the program must be high school graduates with a 2.5 grade-point average (on a 4.0-point scale), or GED equivalent, submit scores for SAT or ACT, submit a transcript of high school credits and any credits received above this level, and take a dental assisting aptitude test. This test should be taken during the spring semester of the year the student wishes to enroll in the program. Test dates are furnished with applications to the program. Successful completion of a course in typing with a grade of C or better is required. 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 may be obtained from any program office, and the completed form must be returned by April 1, for each program for which the applicant wishes to be considered.

Additional information, applications, etc., may be obtained by writing to the appropriate address listed on the inside back cover.

Dental Assisting Core Curriculum-One Year

Course Number	Title	Cr. Hrs. Required
A111	Oral Pathology, Physiology and Anatomy I	3
A113	Oral Pathology, Physiology and Anatomy II	
A112	Dental and Medical Emergencies and Therapeutics	2
A121	Microbiology and Asepsis Technique	1
H242	Introduction to Dentistry	1
A131	Dental Materials I	2
A132	Dental Materials II	2
A141	Preventive Dentistry and Nutrition	2
A151	Radiology Clinic	1
A161	Behavioral Science	1
A162	Oral and Written Communication	2
A171	Clinical Science I	4
A172	Clinical Science II	3
A182	Practice Management, Ethics, and Jurisprudence	2
H214	Oral Anatomy	3
H224	Oral Histology and Embryology	1
H303	Radiology	2
		<hr/> 32
Summer (elective)		
A190	Expanded Restorative Functions	4

Courses for the Professional Curriculum for Dental Assistants

A111-A113 Oral Patholgy, Physiology, Anatomy (1-2 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; also includes histologic aspects of tooth and periodontium and embryonic development of the face and neck formerly covered in H224, Oral Histology and Embryology.

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 which are widely prescribed by physicians and dentists.

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 prevention 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 (1-5 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.

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, muscles of mastication, with reinforcing laboratory procedures and clinical application.

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.

H303 Radiology Lecture (1 cr.) The principles of radiation production, theories of radiographic image formation, chemistry of film processing, radiation hygiene and interpretation of finished radiographs are studied in this course.

Graduate Work in Dentistry

Dental Graduate Faculty

Dean and Professor McDonald

Chairman: Associate Dean and Professor Standish

Research Professor Muhler; Associate Dean and Research Professor Phillips; Associate Dean and Professor Bogan; Distinguished Professor Shafer; Professors Allmann, Avery, Barton (Secretary), Bixler, Boone, Carr, Chalian, Dykema, Garner, Gilmore, Gish, Goldblatt, Henderson, Hennon, Hutton, Kafrawy, Kasle, Katz, Koerber, Lund, McDonald, Miller, O'Leary, Patterson, Potter, Schnell, Shanks, Starkey, Stookey, Swartz, Tomich; Associate Professors Arens, Baldwin, Christen, Cochran, Detamore, Dickey, Gillette, Goodacre, Kaneshiro, Klein, Matlock, Mercer, Moore, Newton, Olson, Sondhi; Assistant Professors Arbuckle, Kirchoff, Weddell, Zunt; Advisory Faculty: Associate Dean and Professor Roche; Professors Boyd, Swenson; Assistant Professor Simpson

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 specialized fields 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. degree may be conferred upon outstanding individuals not holding the D.D.S. or equivalent degree who have demonstrated ability in dental research and education and who give good evidence of continuing in these fields.

Students may also register in the Graduate School of Indiana University and work toward the M.S. or Ph.D. degree. An M.S. program is available in the fields of dental materials, oral diagnosis-oral medicine, oral pathology, orthodontics, and preventive dentistry. M.S. and Ph.D. degree programs are also available in the fields of physiology, microbiology, pharmacology, and dental science on the Medical Center campus.

The M.S.D. degree may be granted in the following major areas of concentration: anatomy, biochemistry, crown and bridge prosthetics, dental materials, endodontics, operative dentistry, oral diagnosis-oral medicine, oral pathology, oral surgery, orthodontics, pedodontics, periodontics, preventive dentistry, prosthetic dentistry, public health, and radiology.

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 desire to teach and pursue a career in dental research and education. An outside minor of advanced courses in dental science is offered which is especially designed to give students an understanding of the basic problems to be met in the clinical dental sciences and a familiarity with the application of the basic sciences to dentistry.

Admission. Only students who have a minimum accumulative grade average of B 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 (see back cover) must be accompanied by transcripts of undergraduate and professional work together with such additional materials as may serve to determine eligibility and ability to conduct satisfactorily an advanced course of study.

Candidates for admission to graduate programs should be sure that their completed applications, with all supporting documents, are received at the Graduate Dental Office by November 1 of the year preceding the summer when they wish to enroll.

Faculty Committee. Candidates for degrees are assigned to a graduate faculty committee. This committee is composed of the chairman of the candidate's major subject, who serves as the chairman of the committee, and four additional graduate faculty members. It is the purpose of this committee to advise the student concerning his or her academic progress and research.

Degree Requirements. Requirements for the M.S. and Ph.D. degrees are outlined in the *Bulletin of the Graduate School*. Requirements for the M.S.D. are as follows:

Course Work. The student must complete a minimum of 30 hours of course work, of which at least 18 hours must be devoted to didactic work. A total of six hours must be in research; however, additional research credit cannot be used toward fulfillment of requirements for the degree. Each student must satisfactorily complete an original research project.

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 Council on Dental Education for Accredited Advanced Dental Education Programs for the Preparation of Specialists.

Final credit requirement is determined by each student's graduate committee and is usually dependent upon the student's previous academic accomplishments.

Examinations. The members of the student's committee will conduct preliminary oral examinations covering essentially the candidate's fields of study. The student must complete the preliminary oral and written examination six months prior to the intended date of graduation. The student is eligible to take these examinations upon the completion of one-half of the didactic course requirements.

Thesis. The student must submit typed drafts of the thesis to the members of the faculty committee two weeks prior to the thesis examination. Upon acceptance by the faculty committee, and at least two weeks prior to commencement, 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.

Fees. Fees for resident students in the graduate dental program are \$57.50 per credit hour, and for nonresidents \$157.75 per credit hour. An advanced payment of \$500 (U.S. dollars) on fees is required after a student has been accepted. This fee is not returnable except in instances where students are called to active military duty. Fees are subject to change.

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

Fixed and Removable Partial

Prosthodontics

Instruments, \$4,300

Rental fee, \$220 per calendar year

Endodontics

Rental fee, \$220 per calendar year

Operative Dentistry

Instruments, \$1,200

Rental fee, \$220 per calendar year

Orthodontics

Instruments, \$1,560

Periodontics

Instruments, \$170

Rental Fee, \$220 per calendar year

Complete Denture

Instruments, \$570

Rental Fee, \$220 per calendar year

Major Fields of Graduate Study

In addition to the general requirements for the degree program as described in the preceding pages, the various departments may specify additional didactic or clinical requirements in order to qualify for a major or minor in that field. For program details, the student should consult with the departmental adviser.

Complete Denture

Course Requirements: Major, 12 hours; Minor, 8 hours¹

Recommended Courses: G902, G910, G914, G915, G916, G917, G919, G940, G962, G991

Elective Courses: G901, G911, G913, G947, G948, G967, G974, R912, R913

Dental Materials

Course Requirements: Major, 13 hours; Minor, 6-8 hours¹

Recommended Courses: G910, G911, G912, G913, G921, R909, R910, R911

Elective Courses: G936, G941, G951

Endodontics

Course Requirements: Major, 14 hours; Minor, 6-8 hours¹

Recommended Courses: C605, G902, G905, G907, G908, G910, G926, G946, G948, G956, G957, G959, G965, R909, R910, R911, G980

Elective Courses: G901, G904, G905, G906, G953, G969, G974, G994

Fixed and Removable Partial Prosthodontics

Course Requirements: Major, 10-12 hours; Minor, 6-8 hours¹

Recommended Courses: G910, G911, G923, G937, G938, G939, G940, G941, G942, G944, G962, R909, R910, R911

Elective Courses: G901, G912, G913, G948, G956, G967, G974

Maxillofacial Prosthetics

Course Requirements: Major, 15 hours; Minor, 6-8 hours

Recommended Courses: G917, R918, R921, R922, R923

Elective Courses: G902, G904, G906, G908, G910, G911, G912, G913, G914, G942, G947, G962, G964, G975, G978, G979, R901, R903, R908, R914

Operative Dentistry

Course Requirements: Major, 12 hours; Minor, 6 hours¹

Recommended Courses: G901, G902, G910, G913, G925, G950, G951, G952, G953, R909, R910, R911

Elective Courses: R901, G907, G908, G911, G941, G944, G956, G962, G965, G967, G974, R912, R913, G982, G983, G985, G994

¹ Credit in the major area will range from 10-15 hours, with 6-10 hours required in the minor area course concentration. Additional hours of elective course work must be carried to complete a minimum of 30 credit hours.

Oral Diagnosis—Oral Medicine

Course Requirements: Major, 14 hours; Minor, 6-8 hours¹

Recommended Courses: C605, C901, G902, G906, G907, G908, G910, G918, G965, G968 G969, G986

Elective Courses: G904, G905, G959, G994, R914, R916

Oral Pathology

Course Requirements: Major, 12 hours; Minor, 6 hours¹

Recommended Courses: C605, G902, G903, G904, G905, G906, G907, G910, G920

Elective Courses: R914, G908, G955, G959, G965, G968, G969, G994

Oral and Maxillofacial Surgery

Course Requirements: Major, 12 hours; Minor, 6-8 hours¹

Recommended Courses: G902, G904, G905, G906, G907, G991, R903, R904, R905, R906, R907

Elective Courses: C605, G908, G935, G947, G965, G969, G994, R901

Orthodontics

Course Requirements: Major, 14 hours; Minor, 6 hours¹

Recommended Courses: R914, G927, G947, G958, G960, G963, G964, R900

Elective Courses: G901, G902, G905, G965, R902, R908

Pedodontics

Course Requirements: Major, 15 hours; Minor, 6-8 hours¹

Recommended Courses: G902, G922, G931, G934, G935, G936, G945, G947, G962

Elective Courses: G901, G907, G912, G917, G946, G965, G968, R909, R910, R911, R912, R913, G994, G999

Periodontics

Course Requirements: Major, 15 hours; Minor 6-8 hours¹

Recommended Courses: G901, G902, G905, G907, G910, G928, G965, G966, G967

Elective Courses: G948, G959, G968, R909, R910, R911, G991

Preventive Dentistry

Course Requirements: Major, 18 hours; Minor, 6 hours¹

Recommended Courses: G910, G930, G967, G974, R909, R910, R911, R912, R913, G982, G983, G985, G995, G996

Elective Courses: G902, G934, G948, G971, G972, G973

Public Health

Course Requirements: Major, 16 hours; Minor, 7-9 hours¹

Recommended Courses: G910, G933, G982, G983, G995, G996, G998, G999

Elective Courses: G971, G974, R909, R910, R911, R912, R913

Noncredit Courses: Community Health Education, Personnel Management, Business and Professional Speaking

¹ See footnote on preceding page.

Radiology

Course Requirements: Major, 14 hours; Minor, 6 hours¹

Recommended Courses: G908, G910, G924, G946, G948, G961, G975, G978, G979

Elective Courses: G904, G974, R909, R910, R911, R912, R913

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 will receive academic credit upon payment of the regular fees for such courses. All grades earned will be recorded in the Office of Records and Admissions and will also appear on official University transcripts. 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 (three years), and Pedodontics (two years). Information about these programs may be obtained from the Graduate Dental Office at the address given on the inside back cover.

Indiana University School of Dentistry and Wishard Memorial Hospital jointly offer a General Practice Residency Program. This 12-month certificate program is designed to prepare the resident to manage the total oral health care of outpatients and inpatients. The program is hospital-based and emphasizes clinical experience in comprehensive dental care.

Graduate Courses, 1983-85¹

- G605 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.
- G901 Advanced Oral Histology and Embryology (2 cr.)** Normal structures of oral cavity, their growth and development; microscopic study of tissues.
- G902 Advanced Oral Pathology (1-6 cr.)** All phases of disease of oral cavity and adjacent structures; oral manifestations of systemic disease; disturbances of growth and development, infections, and neoplasms; microscopic study of tissue sections.
- 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.
- G904 Special Pathology of Neoplasms (3 cr.)** Neoplastic disease in oral pathology; microscopic diagnosis; clinical features and treatment of tumors.
- G905 Special Pathology of Bone (1-3 cr.)** Histology, physiology, pathology of bone with reference to maxilla and mandible; development, growth, maintenance, functional adaptation of bone; bone in pathologic states such as developmental disturbances, inflammatory disturbances, disturbances of metabolism, tumors.
- G906 Tumor Clinic (½ cr.; 1 cr. maximum)** Clinical manifestation of neoplastic diseases; various types of therapy; tumors of head and neck.
- G907 Oral Surgery Pathology Conference (½ cr.; 1 cr. maximum)** Presentation of cases which are 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.
- G910 Seminar (1 cr.)**
- G911 Theory of Dental Metallurgy (1-5 cr.)** Composition, chemical reactions, physical properties, clinical significance of metals, resins, and other materials used in dentistry; phases of metallography, physical chemistry, physics pertinent to this field.
- G912 Specifications and Test Methods in Dental Materials (1-5 cr.)** Specialized test methods; attention to A.D.A. specifications.
- G913 Clinical Application of Dental Materials (1-4 cr.)** Practical application of basic knowledge; unique problems of dental materials and avenues for future research.
- G914 Advanced Complete Denture Theory (1-3 cr.)** Advanced theories of prosthetic denture service; discussions on hinge axis, involved articulators, comparative values of the various types 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: Oral Diagnosis-Oral Medicine (cr. arr.)**
- G919 Research: Complete Denture (cr. arr.)**
- G920 Research: Oral Pathology (cr. arr.)**
- G921 Research: Dental Materials (cr. arr.)**
- G922 Research: Pedodontics (cr. arr.)**
- G923 Research: Fixed Partial Prosthodontics (cr. arr.)**
- G924 Research: Radiology (cr. arr.)**
- G925 Research: Operative Dentistry (cr. arr.)**
- G926 Research: Endodontics (cr. arr.)**

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

- G927 Research: Orthodontics (cr. arr.)**
- G928 Research: Periodontics (cr. arr.)**
- G930 Research: Preventive Dentistry (cr. arr.)**
- G931 Advanced Pedodontics (1-3 cr.)** Two-semester course; diagnostic, restorative preventive phases of pedodontics; evaluation of the literature.
- G933 Research: Public Health (cr. arr.)**
- G934 Advanced Clinical Pedodontics (1-6 cr.)** Advanced restorative and preventive procedures in pedodontics; instruction and clinical experience in restorative dentistry, dental caries control, hereditary and congenital dental anomalies, oral habits, interceptive orthodontic procedures.
- G935 Dental Pediatrics (2 cr.)** Dental problems of the chronically ill and handicapped child; lectures, discussions, and ward rounds cover normal and abnormal physical and emotional growth of the child.
- G936 Principles of Pedodontic Restorative Procedures (1-3 cr.)** Restorative and interceptive orthodontic procedures.
- G937 Advanced Clinical Instruction in Removable Partial Prosthodontics (2-6 cr.)** Clinical construction of clasp-retained removable partial dentures, involving both normal mouths and those mutilated by accidents or extensive surgery.
- G938 Advanced Removable Partial Prosthodontics Technique (1-6 cr.)** Includes precision attachments; surveying of models and designing of appliances; planning overall treatment for partially edentulous mouths.
- G939 Porcelain Jacket Crown Technique (2 cr.)** Construction of porcelain jacket crowns to dimension and form; rebuilding nonvital or mutilated teeth to prepared form; multiple construction in one arch and in opposing arches.
- G940 Advanced Clinical Instruction in Fixed Partial Prosthodontics (1-6 cr.)** Construction of porcelain jacket crowns, acrylic bridges, stabilizing splints, occlusal reconstruction, increasing vertical dimension, full mouth reconstruction, splinting of abutment teeth, reconstruction of crown form of abutment teeth in preparation of mouths for removable bridges and partial dentures.
- G941 Advanced Fixed Partial Prosthodontics Technique (1-4 cr.)** Construction of porcelain jacket crowns; reproduction of anatomic variation and color distribution; construction of plastic veneers and masking materials over gold; precision attachment technique.
- G942 Gnathology Seminar (2 cr.)** Review of the literature, philosophies, and techniques of major contributors to the development of modern gnathological concepts.
- G944 The Principles of Gnathology (2 cr.)** Lectures, laboratory, and clinical exercises demonstrating the application of gnathological principles to restorative dentistry. Primarily, the concepts of Stallard, Stuart, and Thomas.
- G945 Pedodontic Seminar (1 cr.)** P: G934, G931, G935. For second-year graduate students and residents; current literature, research design, advanced case analysis and diagnosis.
- G946 Advanced Clinical Radiography (1-4 cr.)** G948 prerequisite or taken concurrently. 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.)** P: G991. 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 Fundamental Concepts of Operative Dentistry (2 cr.)** Historical background of cavity preparation; engineering principles and mechanics of tooth reduction illustrate systematized cavity preparation.
- 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.

- G956 Advanced Endodontics (1-6 cr.)** Instruction and training in the treatment of complex endodontic cases.
- G957 Analysis of Endodontic Theory (1-4 cr.)** Review, study, and application of currently advocated endodontic procedures.
- G958 Bio-Mechanics (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 (1-3 cr.)** Oral bacteria flora and their relationship to various branches of dentistry.
- G960 Advanced Orthodontic Clinic (1-6 cr.)** Details of treatment plan based on careful analysis; timing phenomena; re-analysis of treatment; cleft palate, surgical correction, temporomandibular syndrome.
- G961 Advanced Radiographic Concepts (1 cr.)** Principles of radiography in temporomandibular joint studies, sialography, panoramic radiography, laminography, cineradiography, cephalometry.
- G962 Craniofacial Growth and Development (1 cr.)** Growth and development of the craniofacial complex are presented in descriptive and theoretical terms as they relate to occlusion and orthodontics.
- G963 Advanced Orthodontic Techniques (2 cr.)** Details of wrought 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, integumental patterns; treatment objectives with respect to stability, esthetics, function.
- G965 Histophysiology and Pathology of the Periodontium (2 cr.)** Gross clinical observations correlated with microscopic findings of normal periodontium and periodontium under stress of orthodontic care, periodontal disease, periapical pathosis, systemic diseases; physiological role of tissues at cellular level.
- G966 Advanced Clinical Periodontics (1-4 cr.)** Advanced cases of special interest involving diseases of soft tissue and bony support treated and evaluated.
- G967 Advanced Periodontics (1-4 cr.)** Periodontal diseases relating to etiology, symptomatology, treatment, differential diagnosis.
- G968 Advanced Clinical Oral Diagnosis-Oral Medicine (1-6 cr.)** Usual and unusual oral pathologic problems of patients.
- G969 Advanced Didactic Oral Diagnosis-Oral Medicine (2 cr.)** Advanced diagnostic techniques and instruments applied with clinical signs and symptoms of oral and peroral diseases.
- G971 Intermediary Metabolism (3 cr.)** Metabolic pathways of fats, carbohydrates, proteins; cellular respiration and its effect on oral tissues.
- G972 Proteins and Nucleic Acids (2 cr.)** Composition of proteins and protein-like substances; structure, method of analysis, relation of protein to other biological factors.
- G973 Vitamins, Mineral Metabolism, and Hormones (2 cr.)** Structure and relation to disease and metabolism of these substances in relation to normal and abnormal dental diseases.
- G974 Advanced Nutrition (2 cr.)** Special nutritional problems relating to calcification and soft tissue health; relation of fats, carbohydrates, proteins, vitamins, minerals, drugs on dental structures.
- G975 Basic Radiological Physics (2 cr.)** Basic properties of various types of ionizing radiation, their interaction with matter, fundamentals of radiation detection and measurement, basic instrument design.
- 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, 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. Principles of advanced surgical endodontics.
- G982 Clinical Field Studies (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 and dental problems of chronically ill, aged, handicapped, institutional patients; methods of care.
- G985 Fluoride Metabolism (2 cr.)** History, clinical studies, pharmacology, toxicology, 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.
- G991 Advanced Anatomy and Physiology of Head and Neck (1-4 cr.)** Surgery oriented dissection of all of the structures of the head and neck.
- 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, elementary analyses of data, including vital statistics, treatment of rates, distribution of variates sampling variation.
- G996 Epidemiology (1-3 cr.)** Principles of epidemiology; dental caries, periodontal disease, malocclusion, 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, indemnity and co-insurance programs offered by profit and non-profit 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.
- R900 Theoretical Mechanics (2 cr.)** Statics and strength of materials are reviewed and applied to specific orthodontic problems; biophysics of tooth movement, appliances in equilibrium, energy storage in orthodontic appliances.
- R901 Cleft Palate Rehabilitation (2 cr.)** Complete management of cleft lip and/or cleft palate patients from birth to adulthood; multidisciplinary concept.
- R902 Developmental Biology of the Human Face and Head (2 cr.)** Developmental embryology of the craniofacial complex, with normal variation in man emphasized by discussion of human malformations.
- R903 Roentgenographic Interpretation of the Face and Skull (3 cr.)** Extraoral roentgenography of facial bones and skull, sialography, planography, diagnosis of facial trauma.
- R904 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.
- R905 Advanced Oral Surgery (1-3 cr.)** Major and minor advanced oral surgical procedures, treatment planning and variable approaches to similar problems; development of surgical judgment.
- R906 Advanced Oral Surgery Seminar (1-3 cr.)** Broad background for advanced oral surgery; interpretation of physical findings, special laboratory procedures and evaluations, changing concepts in antibiotic and chemotherapeutic treatment, medicolegal aspects of surgery.
- 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 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.
- R912-R913 Clinical Preventive Dentistry I-II (2-1 cr.)** Application of preventive dentistry concepts, principles, and techniques to dental patients. Patient education and motivation.
- R914 Statistics (2 cr.)** Problems of experimental design, including statistical methods for handling measures of central tendency, variation, reliability, significance; determination of significance.
- R915 Occlusion (1-4 cr.)** This two-semester course includes a comprehensive consideration of published research in occlusion, temporomandibular joint disturbances, and muscle problems. Clinical evaluation and treatment procedures are considered.

- R916 Scientific Writing (2 cr.)** This course is designed to inform graduate students of techniques of writing and editing which 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.
- R918 Research: Maxillofacial Prosthetics (cr. arr.)**
- 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 surgery residents.
- R921 Maxillofacial Prosthetics Clinic (1-6 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 (1-2 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 (0 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 (2 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.

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. Complete description of these courses can be found in the *Bulletin of the School of Education, Graduate Division*.

- C675 Supervised College Teaching (2-3 cr.)**
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, JAMES W., D.D.S. (*The Ohio State University*, 1936), Professor of Orthodontics
- ADAMS, LEHMAN D., JR., D.D.S. (*Indiana University*, 1949), Assistant Professor of Oral and Maxillofacial Surgery
- ALLMANN, DAVID W., Ph.D. (*Indiana University*, 1964), Professor of Biochemistry (School of Medicine and School of Dentistry)
- ALTENHOF, C. RICHARD, D.D.S. (*Loyola University*, 1970), Instructor in Dental Auxiliary Education (Gary)
- ANSHUTZ, WADE B., D.D.S. (*Northwestern University*, 1946), Assistant Professor of Oral Diagnosis/Oral Medicine
- ARBUCKLE, GORDON RUSSELL, D.D.S. (*Indiana University*, 1967, Assistant Professor of Orthodontics
- ARENS, DONALD E., D.D.S. (*Indiana University*, 1959), Associate Professor of Endodontics
- AVERY, DAVID R., D.D.S. (*Indiana University*, 1966), Chairman, and Professor of Pedodontics
- BACH, JOHN W., D.D.S. (*Indiana University*, 1949), Assistant Professor of Operative Dentistry
- BACKES, EDWARD, D.D.S. (*Indiana University*, 1977), Instructor in Dental Auxiliary Education (Evansville)
- BACKMEYER, JOHN P., D.D.S. (*Indiana University*, 1967), Assistant Professor of Endodontics
- BADE, DANIEL M., D.D.S. (*Indiana University*, 1978), Instructor in Dental Auxiliary Education (Gary)
- BADICS, JACQUELINE, R.D.H. (*Indiana University at South Bend*, 1978), Adjunct Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)
- BAILEY, DAVID E., D.D.S. (*Indiana University*, 1979), Instructor in Operative Dentistry
- BAILEY, L. RUSH, D.D.S. (*Northwestern University*, 1934), Professor of Complete Denture
- BAKER, DALE A., D.D.S. (*Indiana University*, 1953), Instructor in Preventive Dentistry
- BAKER, DONALD WAYNE, D.D.S. (*Indiana University*, 1966), Assistant Professor of Pedodontics
- BAKER, WILLIAM C., D.D.S. (*Indiana University*, 1952), Consultant in Oral and Maxillofacial Surgery
- BALDWIN, JAMES J., D.D.S. (*Indiana University*, 1954), Associate Professor of Orthodontics
- BARR, ERVINE B., D.D.S. (*Indiana University*, 1947), Associate Professor of Oral Diagnosis/Oral Medicine
- BARTON, PAUL, A.M. (*University of Washington*, 1948), Professor of Community Dentistry and Secretary of the Graduate Dental Program
- BATEMAN, DOUGLAS, D.D.S. (*Indiana University*, 1972), Adjunct Lecturer in Dental Auxiliary Education (South Bend)
- BAUMGARTNER, MICHAEL P., D.D.S. (*Indiana University*, 1971), Assistant Professor of Pedodontics
- BECK-COON, ROBERT J., D.D.S. (*Indiana University*, 1979), Assistant Professor of Endodontics
- BEIRAGHI, SORAYA, D.D.S. (*Teheran University*, 1967), Assistant Professor of Pedodontics
- BEISWANGER, BRADLEY B., D.D.S. (*Indiana University*, 1967), Associate Professor of Preventive Dentistry
- BENHAM, JOSEPH G., D.D.S. (*Indiana University*, 1963), Assistant Professor of Pedodontics
- BIXLER, DAVID, Ph.D. (*Indiana University*, 1955), D.D.S. (1959), Chairman and Professor of Oral Facial Genetics, and Professor of Medical Genetics
- BLAKE, JENNIFER, C.D.A. (*Indiana University at Fort Wayne*, 1973), Lecturer in Dental Practice Administration
- BLUME, BARBARA M., B.S. (*Indiana University*, 1981), Adjunct Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)
- BOGAN, ROBERT L., D.D.S. (*Indiana University*, 1954), Associate Dean for Student Affairs, Coordinator of Graduate Prosthodontics Program, and Professor of Fixed and Removable Partial Prosthodontics
- BOND, KENNETH E., D.D.S. (*Indiana University*, 1977), Assistant Professor of Fixed and Removable Partial Prosthodontics

- BOONE, MALCOLM E., D.D.S. (*Indiana University*, 1946), Professor and Chairman of the Graduate Complete Denture Program
- BORKOWSKI, JOHN, D.D.S. (*Indiana University*, 1955), Consultant in Fixed and Removable Partial Prosthodontics
- BORMAN, WILLIAM, D.D.S. (*Indiana University*, 1942), Assistant Professor of Oral Diagnosis/Oral Medicine
- BORST, JILL P., B.S. (*Indiana University*, 1978), Instructor in Dental Practice Administration
- BOWEN, VICKI, C.D.A. (*University of North Carolina*, 1977), Lecturer in Dental Practice Administration
- BOWERS, L. THOMAS, B.S. (*New York University*, 1977), Associate Professor of Dental Practice Administration
- BOYD, DREXELL A., D.D.S. (*Indiana University*, 1934), Professor Emeritus of Operative Dentistry
- BOZIC, DONALD F., D.D.S. (*Indiana University*, 1967), Assistant Professor of Pedodontics
- BRACKETT, WILLIAM W., D.D.S. (*The Ohio State University*, 1977), Assistant Professor of Operative Dentistry
- BRADLEY, STEVEN R., D.D.S. (*Indiana University*, 1967), Assistant Professor of Pedodontics
- BRATTON, ROBERT L., D.D.S. (*Indiana University*, 1968), Assistant Professor of Operative Dentistry
- BRAUN, STANLEY, D.D.S. (*The Ohio State University*, 1963), Consultant in Orthodontics
- BREWER, HAROLD E., D.D.S. (*Indiana University*, 1976), Instructor in Operative Dentistry
- BROWN, DEBORAH M., B.S. (*Indiana University at Fort Wayne*, 1971), Instructor in Dental Hygiene
- BROWN, JAMES D., D.D.S. (*Indiana University*, 1973), Assistant Professor of Pedodontics
- BURNS, THOMAS O., D.D.S. (*Indiana University*, 1978), Assistant Professor of Orthodontics
- BUSSARD, DAVID A., D.D.S. (*Indiana University*, 1977), Consultant in Oral and Maxillofacial Surgery
- BUYER, DIANE M., D.D.S. (*Indiana University*, 1982), Instructor in Operative Dentistry
- CAMPBELL, ELAINE, D.D.S. (*Indiana University*, 1980), Assistant Professor of Pedodontics
- CAMPBELL, HELEN WOERNER, B.S. (*Butler University*, 1967), Librarian Emeritus (Dental Library)
- CAMPBELL, PATRICIA, A.S. (*Indiana State University*, 1974), Instructor in Dental Auxiliary Education, Dental Hygiene (Evansville)
- CAMPBELL, SAMUEL, D.D.S. (*Howard University*, 1968), Assistant Professor of Oral and Maxillofacial Surgery
- CARLSON, TIMOTHY J., D.D.S. (*Indiana University*, 1978), Assistant Professor of Operative Dentistry
- CARR, GUTHRIE E., D.D.S. (*Indiana University*, 1954), Assistant Professor of Pedodontics
- CARR, JACK D., D.D.S. (*Indiana University*, 1939), Professor of Radiology
- CARR, JAMES B., D.D.S. (*Indiana University*, 1976), Instructor in Fixed and Removable Partial Prosthodontics
- CARR, MARJORY H., M.S. (*Butler University*, 1954), Assistant Professor Emeritus of Dental Assisting
- CARROLL, WESLEY L., D.D.S. (*Indiana University*, 1977), Instructor in Dental Auxiliary Education (Gary)
- CHALIAN, VAROUJAN A., D.D.S. (*Ecole de Chirurgie Dentaire et de Stomatologie de Paris, France*, 1955), D.D.S. (*Indiana University*, 1964), Chairman, and Professor of Maxillofacial Prosthetics
- CHAMPION, CHARLES A., B.S. (*Southern Illinois University*, 1970), Assistant Professor and Supervisor of Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)
- CHISLER, JUANITA H., B.S. (*Indiana University*, 1978), Assistant Professor of Dental Assisting
- CHRISTEN, ARDEN G., D.D.S. (*University of Minnesota*, 1956), Chairman and Associate Professor of Preventive Dentistry
- CLARK, HAZEL E., B.A. (*University of Evansville*, 1963), Research Associate in Dental Materials
- CLARK, PATRICIA K., D.D.S. (*Indiana University*, 1980), Clinical Assistant in Endodontics

COCHRAN, MICHAEL A., D.D.S. (*University of Michigan, 1969*), Director of Operative Dentistry Clinic and Associate Professor of Operative Dentistry

COMPTON, DUANE E., D.D.S. (*Creighton University, 1961*), Assistant Professor of Endodontics

CONRAD, WILLIAM I., D.D.S. (*Indiana University, 1953*), Assistant Professor of Operative Dentistry

COONS, GALE E., M.P.H. (*University of Michigan, 1954*), Co-Chairman, and Associate Professor of Community Dentistry

CRAWFORD, RICHARD, D.D.S. (*Indiana University, 1979*), Instructor in Dental Auxiliary Education (Evansville)

CRONK, LINDA, R.D.H. (*Indiana University at South Bend, 1973*), Adjunct Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)

CROSE, VIRGINIA LEE, D.D.S. (*Indiana University, 1968*), Assistant Professor of Pedodontics

CURRY, SANDRA, A.S. (*Indiana University, 1965*), Adjunct Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)

CURTIS, MICHAEL R., M.H.A. (*Indiana University, 1972*), Assistant Dean for Administration and Business Affairs and Assistant Professor of Community Dentistry

DANUSIS, MARY, R.D.H. (*Indiana University, 1977*), Instructor in Dental Auxiliary Education, Dental Hygiene (Fort Wayne)

DAVIS, JERRY R., D.D.S. (*Indiana University, 1978*), Assistant Professor of General Practice Residency Program

DAVIS, WARREN B., D.D.S. (*Indiana University, 1960*), Professor of Pedodontics

DeCASTRÓ, ROLANDO AGUILAR, D.M.D. (*Manila Central University School of Dentistry, Philippines, 1953*), Professor of Oral Anatomy and Director of Art

DELMAN, LLOYD, D.D.S. (*Indiana University, 1953*), Associate Professor of Orthodontics

DENNER, ANNE, M.S. (*Iowa State University, 1967*), Instructor in Dental Auxiliary Education, Dental Hygiene (Evansville)

DERRY, ROBERT H., D.D.S. (*Medical College of Virginia, 1940*), Director of Continuing Education Program; Acting Chairman, and Professor of Complete Denture

DESELM, WADE, A.S. (*Indiana University, 1981*), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)

DETAMORE, ROBERT JAY, D.D.S. (*Northwestern University, 1948*), Associate Professor of Periodontics and Coordinator of Undergraduate Clinical Programs

DETERT, MARK R., D.D.S. (*Indiana University, 1980*), Instructor in Dental Auxiliary Education (Gary)

DICKEY, DAVID M., D.D.S. (*The Ohio State University, 1955*), Chairman and Associate Professor of Clinical Oral Diagnosis/Oral Medicine

DIRLAM, JAMES H., D.D.S. (*Indiana University, 1950*), Professor of Oral and Maxillofacial Surgery and Chairman of Undergraduate Oral and Maxillofacial Surgery

DITTO, ROLAND R., D.D.S. (*Indiana University, 1969*), Assistant Professor of Pedodontics

DOSMANN, MARCIA A., B.P.H. (*Indiana University, 1979*), Adjunct Lecturer in Dental Auxiliary Education (South Bend)

DUMAS, JOHN E., D.D.S. (*Indiana University, 1964*), Consultant in Oral and Maxillofacial Surgery

DVORAK, F. PAULETTE, B.S. (*Indiana University, 1982*), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)

DVORAK, RONALD L., M.S. (*Purdue University, 1966*), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)

DYKEMA, ROLAND W., D.D.S. (*Indiana University, 1947*), Chairman and Professor of Fixed and Removable Partial Prosthodontics

EDESESS, ROBERT B., D.D.S. (*Indiana University, 1966*), Assistant Professor of Oral and Maxillofacial Surgery

EGGLETON, REGINALD C., M.S. (*University of Illinois, 1965*), Professor of Preventive Dentistry

ENGLANDER, MERYL E., Ph.D. (*University of Michigan, 1957*), Professor of Education

EPPERSON, CHARLES R., D.D.S. (*Indiana University, 1965*), Assistant Professor of Fixed and Removable Partial Prosthodontics

ESMON, THOMAS, D.D.S. (*Indiana University, 1944*), Assistant Professor of Operative Dentistry

- FAIRCHILD, DAVID M., D.D.S. (*Indiana University*, 1978), Instructor in Dental Auxiliary Education (Gary)
- FARRAR, STEVEN M., D.D.S. (*Indiana University* 1970), Assistant Professor of Complete Denture
- FARRELL, EDWARD W., D.D.S. (*Western Reserve University*, 1946), Associate Professor and Director of Dental Auxiliary Education (Gary)
- FELTEN, ARNOLD E., D.D.S. (*Indiana University*, 1950), Assistant Professor of Oral and Maxillofacial Surgery
- FERGUSON, DONALD J., D.M.D. (*University of Oregon*, 1970), Associate Professor of Orthodontics
- FISHER, BEN J., D.D.S. (*Indiana University*, 1937), Assistant Professor of Complete Denture
- FITZPATRICK, EILEEN, A.S. (*Indiana University*, 1979), Instructor in Dental Auxiliary Education, Dental Hygiene (Gary)
- FOLEY, ELAINE S., B.S. (*Indiana University*, 1980), Instructor in Dental Auxiliary Education, Dental Hygiene (Fort Wayne)
- FORGEY, JOE E., D.D.S. (*Indiana University*, 1975), Assistant Professor of Pedodontics
- FORSBERG, JANE A., B.S. (*Ferris State College*, 1981), Assistant Professor of Dental Auxiliary Education, Dental Hygiene (Gary)
- FREEMAN, CHRISTINA, Lecturer in Dental Practice Administration
- FREID, MICHAEL, D.D.S. (*Indiana University*, 1971), Adjunct Lecturer in Dental Auxiliary Education (South Bend)
- FRITSCH, BARRY R., D.D.S. (*Indiana University*, 1977), Instructor in Operative Dentistry
- GEDERIAN, BARBARA, A.S. (*Indiana University*, 1982), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)
- GARNER, LaFORREST D., D.D.S. (*Indiana University*, 1957), Chairman, and Professor of Orthodontics
- GHALICHEBAF, MOHSSEN, D.M.D. (*University of Istanbul*, 1975), Assistant Professor of Maxillofacial Prosthetics
- GILLETTE, WILLIAM B., D.D.S. (*The Ohio State University*, 1957), Associate Professor of Periodontics
- GILMORE, H. WILLIAM, D.D.S. (*Indiana University*, 1958), Professor of Operative Dentistry
- GISH, CHARLES W., D.D.S. (*Indiana University*, 1949), Co-Chairman of Community Dentistry; Professor of Pedodontics, and Consultant in Public Health Dentistry
- GITLIN, WILLIAM A., D.D.S. (*Indiana University*, 1978), Adjunct Lecturer in Dental Auxiliary Education (South Bend)
- GOLDBLATT, LAWRENCE I., D.D.S. (*Georgetown University*, 1968), Professor of Oral Pathology
- GONDELL, LEON J., B.S. (*Indiana University*, 1982), Instructor in Dental Auxiliary Education, Dental Laboratory Technology (Fort Wayne)
- GOODACRE, CHARLES J., D.D.S. (*Loma Linda University*, 1971), Associate Professor and Director of Undergraduate Fixed and Removable Partial Prosthodontics
- GRAHAM, LARRY L., D.D.S. (*Indiana University*, 1965), Associate Professor of Oral and Maxillofacial Surgery; Director of Wishard Memorial Hospital and Regenstrief Center Oral and Maxillofacial Surgery Program
- GREGOLINE, JOHN A., D.D.S. (*Indiana University*, 1977), Instructor in Dental Auxiliary Education (Gary)
- GRIFFIN, SISTER SHEILA M., M.A. (*LaSalle College*, 1975), Instructor in Dental Auxiliary Education, Dental Assisting (Evansville)
- GRUNER, JERI L., B.S. (*Indiana University*, 1982), Instructor in Dental Assisting
- HAGEDORN, LLOYD J., D.D.S. (*Indiana University*, 1966), Instructor in Dental Auxiliary Education (Fort Wayne)
- HALE, FLOYD E., D.D.S. (*Indiana University*, 1955), Assistant Professor of Complete Denture
- HALEY, JUDITH J., B.S. (*Indiana University*, 1976), Instructor in Dental Auxiliary Education, Dental Hygiene (Fort Wayne)
- HANCOCK, E. BRADY, D.D.S. (*University of Illinois*, 1967), Consultant in Periodontics
- HARRIS, RONALD K., D.D.S. (*Marquette University*, 1959), Associate Professor of Operative Dentistry
- HASLEM, JOHN R., D.D.S. (*Indiana University*, 1962), Assistant Professor of Oral and Maxillofacial Surgery

- HAYES, CAROLYN, R.D.H. (*Indiana University, 1965*), Adjunct Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)
- HAZELRIGG, CHARLES O., D.D.S. (*Indiana University, 1970*), Assistant Professor of Pedodontics
- HAZELWOOD, AMELIA, R.D.H. (*Indiana University at South Bend, 1978*), Adjunct Lecturer in Dental Auxiliary Education, Dental Hygiene (South Bend)
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- WALSH, WILLIAM J., D.D.S. (*St. Louis University*, 1951), Adjunct Lecturer in Dental Auxiliary Education (South Bend)
- WANNEMUELLER, BETH, B.S. (*Indiana State University*, 1975), Instructor in Dental Auxiliary Education, Dental Hygiene (Evansville)
- WATSON, NICHOLAS H., D.D.S. (*Indiana University*, 1968), Assistant Professor of Endodontics
- WATSON, TIMOTHY D., D.D.S. (*Indiana University*, 1971), Assistant Professor of Fixed and Removable Partial Prosthodontics
- WEAVER, ANITA JOYCE, M.S. (*Indiana University*, 1976), Assistant Professor of Dental Hygiene
- WEDDELL, JAMES A., D.D.S. (*Indiana University*, 1977), Assistant Professor of Pedodontics
- WEINE, FRANKLIN, D.D.S. (*University of Illinois*, 1957), Consultant in Endodontics
- WEINGARTEN, HARVEY, D.D.S. (*Indiana University*, 1979), Adjunct Lecturer in Dental Auxiliary Education (South Bend)
- WEST, DARLENE D., D.D.S. (*Indiana University*, 1981), Instructor in Operative Dentistry
- WHITE, JOE G., D.D.S. (*Indiana University*, 1946), Associate Professor of Complete Denture
- WIDMAN, KAREN K., C.D.A. (*Parkland College, Illinois*, 1971), Lecturer in Dental Practice Administration
- WILLIAMS, ERIC, M.D. (*Indiana University*, 1971), Assistant Professor of Cardiology (School of Medicine) and Oral Diagnosis/Oral Medicine (School of Dentistry)
- WILLIAMS, JOHN E., D.D.S. (*Indiana University*, 1956), Associate Professor of Periodontics
- WILLIAMSON, GAIL B.S. (*Indiana University*, 1979), Assistant Professor of Radiology
- WILLIS, GEORGE P., D.D.S. (*Indiana University*, 1979), Assistant Professor of Dental Practice Administration and Expanded Function Coordinator
- WILLIS, LYNN R., Ph.D. (*University of Iowa*, 1970), Assistant Professor of Medicine and Pharmacology (School of Medicine and School of Dentistry)
- WINANS, THOMAS L., D.D.S. (*Indiana University*, 1960), Instructor in Dental Auxiliary Education (Fort Wayne)
- WITHAM, Robert J., D.D.S. (*Indiana University*, 1962), Assistant Professor of Operative Dentistry
- WOOD, GERALD D., Research Associate in Preventive Dentistry
- YODER, KAREN S., B.S. (*Indiana University*, 1963), Instructor in Dental Auxiliary Education, Dental Hygiene (Fort Wayne)
- YODER, KEITH E., D.D.S. (*Indiana University*, 1963), Instructor in Dental Auxiliary Education (Fort Wayne)
- YOKOM, Nanci G., B.S. (*Indiana University*, 1976), Assistant Professor of Dental Auxiliary Education and Supervisor of Dental Hygiene (South Bend)
- ZITTERBART, PAUL A., D.D.S. (*Indiana University*, 1977), Assistant Professor of Oral Diagnosis/Oral Medicine
- ZONAKIS, PETER T., D.D.S. (*Indiana University*, 1961), Assistant Professor and Director of Dental Auxiliary Education (Fort Wayne)
- ZUNT, SUSAN L., D.D.S. (*Case Western Reserve University*, 1977), Assistant 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. The University attracts students from all fifty states and around the world. The full-time faculty numbers over 3,000 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 of the state-supported universities. It serves over 70,000 students on eight campuses. The residential campus at Bloomington and the urban center at Indianapolis form the core of the University system. Regional 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.

The Bloomington Campus

The environment and facilities of the Bloomington campus make it a dynamic place to live and study. Over 30,000 students pursue undergraduate and graduate degrees at Bloomington.

The academic resources of the campus provide both opportunity and challenge. The University Library ranks in the top ten academic libraries in the United States and the Lilly Library is internationally known for its collection of rare books and manuscripts. The libraries support the work of faculties in areas such as the Humanities, Foreign Languages, and the Social Sciences who are renowned for their scholarship and research. Laboratories in departments such as Biology, Chemistry, and Physics are engaged in work at the frontiers of knowledge. Particularly notable is the 200 million volt variable particle cyclotron, which attracts scientists from around the world. The Schools of Business and Public and Environmental Affairs enjoy high prestige with business and government leaders. Programs of distinction are offered in the Schools of Law and Optometry, the School of Library and Information Science, and the School of Health, Physical Education, and Recreation. The School of Music is ranked first among all such schools in the nation and the School of Education ranks third. An extraordinary variety of lectures and seminars complement classroom and laboratory inquiry. The University Theatre, the Art Museum, and the large Musical Arts Center serve as major resources for the University's programs in the performing and fine arts.

Housing is provided on the Bloomington campus in residence halls, sororities, and fraternities. For married students and their families the University offers apartments and trailers. Students also rent off-campus housing in Bloomington.

The Bloomington campus provides many services for its students. The University Division gives special support and counseling to incoming freshmen, helping them to plan and carry through a sound academic program. The Student Health Center, the Career Counseling Center, job placement services, Student Legal Services, the Psychological Clinic, the Optometry Clinic, and services for the handicapped, minority students, women, and veterans are described in the student handbook, which is available from the Dean for Student Services.

Indiana University Bloomington is a member of the Big Ten Conference. Men's and women's varsity teams participate in 13 sports. A large intramural sports program provides recreation for all students. Tennis and squash courts, swimming pools, sports fields, running tracks, basketball courts, and an 18-hole golf course are available for individual use. Within a few miles of Bloomington are several thousand acres of state forest, wilderness trails, and lakes for swimming, boating, and fishing.

The Indianapolis Campus

Indiana University-Purdue University at Indianapolis is an innovative urban campus. IU and Purdue programs and facilities merged at Indianapolis in 1969, and the campus continues to grow in both the range of academic offerings and the physical facilities. IUPUI also operates a branch campus at Columbus, Indiana.

The IUPUI library system consists of seven libraries serving the special interests of individual schools. In addition, the entire Indiana University system library is readily available through the interlibrary loan system.

Significant research in the medical sciences is carried out in ten specialized centers within the medical school. Research projects are conducted in numerous other fields, some in cooperation with city and state government and private industry.

Schools at IUPUI are deeply involved in service to citizens, working closely with public and private agencies, government, business, and industry in providing expertise to solve problems. Such service projects enable students to enrich their education with practical experience.

Lectures, theatre presentations, and other special events are available on campus, and the city provides many facilities for the arts, sports, and entertainment. IUPUI is a member of the National Association of Intercollegiate Athletics and the National Collegiate Athletics Association. Men's and women's varsity teams participate in six sports, and an intramural sports program offers recreation for all students.

IUPUI provides on-campus housing for a limited number of students. The Housing Office maintains a list of apartments available off campus in the Indianapolis area.

Services for students are described in the student handbook, available from the Dean for Student Services. They include special services for the handicapped, veterans, women, and foreign students; a day care center; personal counseling; career counseling and job placement; financial aid; and the Student/Employee Health Center.

Policies of the University

Nondiscrimination policy. Indiana University provides its services without regard to sex, age, race, religion, ethnic origin, veteran status, or handicap. 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. Rights and responsibilities of students are included in the Student Handbook and provide for 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.

Fees

Credit hour fees listed here were approved at the April 1982 meeting of the Trustees of Indiana University. Credit hour and special fees are subject to change by action of the Trustees. See the campus *Schedule of Classes* for the most recent schedule.

BLOOMINGTON CAMPUS	Indiana resident	Nonresident
Undergraduate ¹	\$44.25/credit hour	\$124.75/credit hour
Graduate ¹	\$57.50/credit hour	\$157.75/credit hour
Professional:		
School of Law	\$57.50/credit hour	\$157.75/credit hour
School of Optometry	\$57.50/credit hour	\$157.75/credit hour
Medical (combined degree)	\$50/credit hour	\$131.50/credit hour
Medical (flat fee)	\$1500/semester	\$3600/semester
Thesis enrollment	\$50/semester	\$131.50/semester
Auditing (no credit)		applicable credit hour rate
Special fees (in addition to basic fees)		
Application for admission		
United States		\$20
Foreign		\$30
Student Activity Fee ²		\$4 or \$8.25 per semester
		\$2 or \$4 per summer session
Applied music (majors) ³		\$75 per semester
Applied music (nonmajors) ³		\$75 per course
Education early experience ⁴		\$19 per course
Education placement service		\$6
Business placement service		\$20

¹ Includes Continuing Studies credit courses.

² Students enrolled in 4 or more credit hours during the semester will be assessed a mandatory fee of \$8.25. Students enrolled in 3 or fewer credit hours during the semester will be assessed a mandatory fee of \$4. Students enrolled in 4 or more credit hours per summer session will be assessed a mandatory fee of \$4. Students enrolled in 3 or fewer credit hours per summer session will be assessed a mandatory fee of \$2.

³ Persons desiring applied music who are not regularly working toward a degree will be charged \$250 per applied music course.

⁴ Students enrolled in any of the following Education courses will be assessed a \$19 fee per course:

Elementary Licenses

Early Childhood: P249, E339, E335, E336, E337

Kindergarten/Primary: P249, E339, E325, E341, N343

Elementary: P251, E339, E325, E341, E343

Junior High/Middle School: P252, M312, M461

Secondary: P253, M313 or M130, M462

All Grades: P254, M313, M462, or M130 or M336

Special Education: E339, K380, E343

Special Endorsements:

Kindergarten: E336

Junior/Middle: M461

Bilingual/bicultural: L441

Ethnic/cultural: T410

Coaching: HPER P450

Special Education: K380

Family Life: HMEC, H453

Driver & Traffic Safety Ed: HPER S456

Reading: X400

Education practicum ⁵	\$36 per course
Education student teaching ⁶	\$70 per course
Late enrollment or re-enrollment ⁷	\$30 to \$60
Late program change	\$15 to \$60
Special exam	\$5 to \$15
Laboratory ⁸	\$15 per course
Recital fee (Music) ⁹	\$15 to \$45
Health Service fee (optional) ¹⁰	\$20 or \$40 per semester
Nursing clinical	\$7/contact hour
HPER courses: Billiards, bowling, golf, and horsemanship	(Payment made to Billiard Parlor, Bowling Alley, Golf Course, or Academy for use of facilities)
Microscope fee (Medical Science courses only)	\$30 per semester
Deposits (to cover loss or damage):	
Band	\$10
Singing Hoosiers	\$10
Chemistry (for G343, C344, S343, and S344 courses only)	\$25
Lockers (Ballantine, Law, Music, and Woodburn buildings)	\$5 deposit, \$1 to \$1.50 rent deducted per semester
Rentals:	
Locker HPER building	\$7 per semester \$6 for combined summer sessions
Locker, Business School	\$5 per year
Music instrument (for nonmusic majors)	\$30 per semester
Practice room (limit to 1 hour per day)	\$15 per semester (above practice room rental not charged if applied music fee is paid)

⁵ Students enrolled in EDUC M470 Practicum and/or EDUA M550 Practicum (variable title courses) will be assessed a \$36 fee per course per semester. The practicum fee of \$36 is also assessed for the following courses: G547, G647, K495X, P310, P311, P410, P411, P518, P519, P591, P592, P595, P596, P691, P692, P694, P699, R473, X425.

⁶ Students enrolled in Education courses M423, M424, M425, M451, M480, M482, M486, and/or M363 will be assessed \$70 per course per semester.

⁷ At Bloomington, a \$30 late fee will be in effect upon conclusion of fieldhouse registration through the end of the third week of classes. Late registrations after the third week of classes will be assessed a late fee according to the following graduated schedule:

Week in which the registration is processed: Week 4—\$40 Week 5—\$50 Week 6—\$60.

⁸ Students, except at IUPUI, who are enrolled in the following laboratory courses will be assessed a laboratory fee of \$15 per course per semester:

Biology: L100, L105, Q201, B205, M315, Z316, B369, & Z450

Chemistry: C121, C122, C125, C126, C343, & C344

Medical Science: A215 and P215

Optometry: V111, V121, V131, V151, V153, V154, V155, V201, V210, V211, V221, V226, V227, V232, V251, V252, V254, V255, V256, V321,, V322, V412, V414, V416, V417 V431, V432, V443, V444, V453,, V454, V467 V468, V545, V550, V533, V556, V513, V554, V557, V655, V657, V658, V659

Physics: T100, P101, P201, P202, P221, & P222

⁹ Recital fee in music for one-page program is \$15, for two-page program \$25. The fee for recording the recital is an additional \$20.

¹⁰ Students enrolled in 7 or more credit hours per semester will be assessed \$20. Students enrolled in 6 or less credit hours per semester will be assessed \$40.

Independent Study (Correspondence)	
Undergraduate courses	
(residents and nonresidents)	campus resident rate
High school level courses	\$33 per half unit course
Special Credit and Credit by Examination: Regular credit hour fees apply, except the fee is waived for University Division freshmen during the first two regular semesters following their matriculation at Indiana University, and is reduced to \$10 per credit hour for undergraduate transfer students during the first regular semester following their matriculation at Indiana University.	
Transcripts	\$3

INDIANAPOLIS CAMPUS

Undergraduate	\$40.25/credit hour	\$105.75/credit hour
Graduate and professional	\$57.50/credit hour	\$157.75/credit hour
Medical (flat fee)	\$1500/semester	\$3600/semester
Dentistry (flat fee)	\$1400/semester	\$3000/semester
Thesis enrollment	\$50/semester	\$131.50/semester
Auditing (no credit)		applicable credit hour rate

Special fees (in addition to basic fees)

Application for admission	
United States	\$20
Foreign	\$30
Laboratory	\$7/contact hour
Nursing clinical	\$7/per contact hour
Late program change	\$15
Activity	\$2.50/semester
Late enrollment or re-enrollment ¹¹	
First week-third week of classes	\$15
Deferred fee service charge	\$10
Locker rental fee	\$7/per semester
	\$6/per summer
HELP Programs ¹²	\$25 to \$120 per course

Fee Refund Schedule

Time of Withdrawal	Refund for Withdrawal
9 through 16 weeks	
First week of classes or through Drop/Add Day	100%
During 2nd week of classes	75%
During 3rd week of classes	50%
During 4th week of classes	25%
During 5th week of classes and thereafter	None

¹¹ At Indianapolis, a \$15 late fee will be in effect upon conclusion of registration through the end of the third week of classes. Late registration after the third week of classes will be assessed according to the following graduated schedule:
Week in which the registration is processed: Week 4—\$25 Week 5—\$35 Week 6—\$45.
No registrations will be accepted after the sixth week of classes without the approval of the Dean of Faculties.

¹² Courses X011, X012, X013, and X014 are \$25
Courses X022 and X023 are \$120

5 through 8 weeks

During 1st week of classes or through Drop/Add Day	100%
During 2nd week of classes	50%
During 3rd week of classes and thereafter	None

2 through 4 weeks

During the 1st and 2nd day or through Drop/Add Day	100%
During 3rd and 4th day of classes	50%
During 5th day of classes and thereafter	None

1 week or less

During 1st day of class	100%
During 2nd day of class	50%
During 3rd day of classes and thereafter	None

The refund policy applies to credit hour fees and all course-related mandatory fees, wherein the student is required to pay a specific fee.

PROCEDURE

Students must apply to the Office of the Registrar and the Office of the Bursar when they withdraw from classes.

Residency Status

Prospective students from out of state should be aware that the criteria for establishing in-state residency and thus qualifying for in-state fee rates are very strict. Except under specific circumstances, persons who have moved to Indiana for the primary purpose of attending a college, university, or other institution of higher education will not be able to qualify for in-state fees during their academic career. Rules for determining residency are listed at the end of this section.

Fee Reductions and Financial Aid

Scholarships and Financial Aid. Students can find information about loans and part-time employment through the Office of Scholarships and Financial Aids and through their school or department.

Employment. The Office of Financial Aids on each campus lists openings for part-time jobs in various offices and organizations of the University.

Fee Courtesy. The following statements describe the privilege of fee courtesy extended to full-time University faculty and staff by the Trustees. For a full policy statement, please refer to personnel policy No. D-21, revised May 7, 1982, available in the personnel office of each campus.

Fees for a full-time appointed employee (100% F.T.E.) who is appointed within the first week of a semester or summer sessions and enrolled in 1-6 credit hours will be assessed at one-half the resident credit hour rate at the campus where the employee enrolls, for the actual number of hours taken. Fees for credit hours in excess of six (6) in a semester or summer sessions will be assessed at full resident rate on that campus.

The spouse of a full-time appointed (100% F.T.E.) employee appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy consisting of a credit of one-half of the resident undergraduate fee rate at the campus where the spouse enrolls for each credit hour up to the maximum of three (3) credit hours per semester or summer sessions. This credit will be applied against the full fees of the student at the appropriate resident or nonresident rate.

Dependent children of full-time appointed faculty and staff employees appointed within the first week of a semester or summer sessions will be entitled to a fee courtesy (effective with the fall term 1982) consisting of a credit on one-half of the resident undergraduate fee rate at the campus where the child enrolls. Dependent children shall be defined as all legally dependent children of employees including stepchildren, children who have employees as their legal guardians, and children of retired employees eligible for group life insurance benefits and of disabled employees receiving long-term disability benefits.

The fee courtesy for dependent children will be granted only to students registered at Indiana University in a curriculum leading to a first baccalaureate or associate degree, and only for the number of semester hours required to complete the curriculum in which the student is enrolled. This fee courtesy shall not apply for graduate or post-baccalaureate professional study.

To receive fee courtesy for dependent children, the full-time employee will fill out an application "Request for Fee Courtesy — Dependent Children," available from the personnel office of each campus, and return the completed form to the personnel office *prior to registration* for verification of employment. If this application has not been approved and processed prior to registration, the student will be required to pay full fees and then will be issued a refund if the application is approved.

Veteran benefits. Students who are eligible for veteran benefits may enroll according to the following scales:

Benefits	Fall & Spring		IUPUI	Bloomington
Undergraduate	Semesters	Summer I	Summer II	Summer II
full	12 or more	4	4	6
$\frac{3}{4}$	9-11	3	3	4-5
$\frac{1}{2}$	6-8	2	2	3
tuition only	fewer than 6	1	1	1-2
Graduate				
Benefits				
full	9 or more	4	4	5
$\frac{3}{4}$	7-8	3	3	4
$\frac{1}{2}$	5-6	2	3	3
tuition only	fewer than 5	1	1	1-2

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 to notify the Veterans Affairs Office of any schedule change which may increase or decrease the number of benefits allowed.

Veterans with service connected disabilities may qualify for the V.A. Vocational Rehabilitation Program. They should contact their regional V.A. office for eligibility information.

Transfer to Other Indiana University Campuses

Each year many Indiana University students transfer from one campus of the university to another to continue their studies toward a degree. These transfers are often necessitated by financial difficulties, illness, or other personal problems, but just as often they are a matter of personal preference. Few of the other multi-campus universities are organized to facilitate

this volume of student migration. 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 coursework on the eight campuses.

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

1. Inform your academic adviser of your decision as soon as possible. Degree requirements may vary from one campus to another but if your adviser 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 adviser) at the campus you plan to attend. Discuss your plan and ask about any special procedures. For example, transfers 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 pre-enrollment 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 coursework 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 twelve (12) months in order to qualify as a resident student for fee purposes.
 - (b) Physical 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 twelve (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 twelve (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) 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.

- (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.
 - (c) Such person may be classified as a resident student without meeting the twelve (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."
 - (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 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 twelve (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 twelve (12) months from the Residence Qualifying Date, i.e., the date upon which the student commenced the twelve (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 (2) 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.
11. A student who does not pay additional monies which may be due because of his or her classification as a nonresident student within 30 days after demand, shall thereupon be indefinitely suspended.
12. A student or prospective student who fails to request resident student status within a particular semester or session and to pursue a timely appeal (see Rule 8) to the Standing Committee on Residence shall be deemed to have waived any alleged overpayment of fees for that semester or session.
13. If any provision of these Rules or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of these Rules which can be given effect without the invalid provision or application, and to this end the provisions of these Rules are severable.

For Further Information

Requests for application forms or information on any of the programs in dental education should be directed to the appropriate address below:

Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, Indiana 46202

The offices are open 9 a.m. to 5 p.m., Monday through Friday, for those who desire to call or visit.

Information on Dental Auxiliary Education programs may be obtained from the following:

Indianapolis

Director of Preprofessional Counseling
or

Director—Dental Assisting
Indiana University School of Dentistry
1121 West Michigan Street
Indianapolis, Indiana 46202

Fort Wayne

Supervisor—Dental Hygiene
or

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or

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