

Division of
Allied Health
Sciences/1973-74

Indiana University Bulletin



INDIANA UNIVERSITY

Academic Programs in

★College of Arts and Sciences

★Division of Optometry

★School of Business*

Division of Continuing Education†

★School of Dentistry

★School of Education*

Division of General and Technical Studies

★Graduate School

★School of Health, Physical Education, and Recreation

★Herron School of Art

Indianapolis Law School

★School of Law

★Graduate Library School

★School of Medicine

★Division of Allied Health Sciences

Division of Postgraduate and Continuing Education

★School of Music

★Normal College of the American Gymnastic Union

★School of Nursing

Regional Campus Administration‡

School of Public and Environmental Affairs§

★School of Social Service

★Summer Sessions

★University Division

Bulletins for most of the above divisions of the University (marked ★) may be obtained from the Office of Records and Admissions, Bryan Hall, Indiana University, Bloomington, Indiana 47401. Other divisions for which *Bulletins* are available should be contacted directly: Indianapolis Law School, 735 West New York Street, Indianapolis, Indiana 46202; Division of General and Technical Studies, 317 East Second Street, Bloomington, Indiana 47401.

* Two *Bulletins* are issued: graduate and undergraduate.

† Brochures on the Independent Study Division, Bureau of Public Discussion, Labor Education and Research Center, and Real Estate Continuing Education Programs are available from this Division (Owen Hall).

‡ Write to Regional Campus Administration, 107 North Pennsylvania, Suite 806, Indianapolis, Indiana 46204, for a *Bulletin*, specifying the particular regional campus.

§ Write to the School of Public and Environmental Affairs for further information.

**DIVISION OF ALLIED HEALTH SCIENCES
OF THE SCHOOL OF MEDICINE**

**1100 WEST MICHIGAN STREET
INDIANAPOLIS, INDIANA 46202**

INDIANA UNIVERSITY - PURDUE UNIVERSITY AT INDIANAPOLIS

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INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

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Contents

CALENDAR	4
INDIANA UNIVERSITY	5
Admission	6
Fees	6
Academic Regulations	10
Academic Standing	12
Special Opportunities for Students	12
MEDICAL CENTER	15
Housing at Indianapolis	15
Student Activities at Indianapolis	16
Student Services at Indianapolis	16
Financial Aid	17
DIVISION OF ALLIED HEALTH SCIENCES	19
Admission	20
Academic Information	20
Graduation Requirements	21
Curriculum	22
DIRECTORY FOR THE DIVISION OF ALLIED HEALTH SCIENCES	23
PROGRAMS IN THE DIVISION OF ALLIED HEALTH SCIENCES	24
Cytotechnology (4 years, B.S.)	24
Hospital Dietary Technology (2 years, A.S.)	25
Medical Record Administration (4 years, B.S.)	25
Medical Technology (4 years, B.S.)	27
Occupational Therapy (4 years, B.S.)	28
Occupational Therapy Technology (2 years, A.S.)	30
Physical Therapy (4 years, B.S.)	31
Dental Hygiene Programs	32
Public Health Dental Hygiene (fourth year, B.S.)	33
Public Health Education	33
Public Health-Environmental Health (4 years, B.S.)	35
Public Health Administration	36
Radiologic Technology (2 years, A.S.)	37
Bachelor's Degree Program for Radiologic Technologists	38
Respiratory Therapy (2 years, A.S.)	39
Master's Program in Allied Health Sciences Education	40
COURSES OFFERED, 1973-74	43
School of Medicine Courses	43
Division of Allied Health Sciences Courses	43
Cytotechnology	43
Hospital Dietary Technology	44
Medical Record Administration	45
Medical Technology	45
Occupational Therapy	47
Occupational Therapy Technology	48
Physical Therapy	48
Public Health Administration	49
Public Health Dental Hygiene	49
Public Health Education	50
Public Health-Environmental Health	50
Public Health (General)	51
Radiologic Technology	51
Respiratory Therapy	53
Core and Elective Courses	53
FACULTY AND STAFF, 1972-73	54
Program Directors	54
Medical Center	54
Affiliated Medical Technology Lecturers	58
Anderson	58
Beech Grove	58
Evansville	59
Fort Wayne	59
Gary	60
Indianapolis	61
Kokomo	62
South Bend	62
Affiliated Lecturers	63

Calendar

Indiana University - Purdue University at Indianapolis

1973-74

1974-75

First Semester

Counseling and Registration begin.....	Aug. 15, W.....	Aug. 14, W
Classes begin.....	Aug. 22, W.....	Aug. 21, W
Labor Day holiday.....	Sept. 3, M.....	Sept. 2, M
Thanksgiving recess.....	Nov. 21, W.....	Nov. 27, W
Classes resume.....	Nov. 26, M.....	Dec. 2, M
Classes end.....	Dec. 10, M.....	Dec. 9, M
Exams begin.....	Dec. 11, T.....	Dec. 10, T
Exams end.....	Dec. 17, M.....	Dec. 16, M

Second Semester

Counseling and Registration begin.....	Jan. 3, Th.....	Jan. 2, Th
Classes begin.....	Jan. 10, Th.....	Jan. 9, Th
Spring recess.....	Mar. 4, M.....	Mar. 3, M
Classes resume.....	Mar. 11, M.....	Mar. 10, M
Classes end.....	May 1, W.....	Apr. 30, W
Exams begin.....	May 2, Th.....	May 1, Th
Exams end.....	May 8, W.....	May 7, W

Summer Session I

Classes begin.....	May 13, M.....	May 12, M
Memorial Day holiday.....	May 27, M.....	May 26, M
Classes end.....	June 24, M.....	June 23, M

Summer Session II

Classes begin.....	July 5, F.....	July 7, M
Classes end.....	Aug. 15, Th.....	Aug. 16, S

Indiana University

Founded in 1820, only four years after Indiana achieved statehood, Indiana University is one of the oldest state universities west of the Alleghenies. It has consistently met its original commitment of providing a statewide system of public higher education. Among the first American universities to admit women on an equal standing with men, I.U. also provides its services without regard to race, creed, or color.

Indiana University is ranked eighth largest in the nation with an enrollment totaling 68,500 on its eight state campuses and including students from all fifty states and many foreign countries. With a faculty exceeding 3,000, its more than 100 departments offer 5,000 courses of instruction.

The major divisions of Indiana University are the Bloomington campus (the largest and oldest), Indiana University - Purdue University at Indianapolis (IUPUI), and six other strategically located campuses at population centers over the state.

The Bloomington Campus

College of Arts and Sciences (includes the Division of Optometry)

School of Business

School of Education

School of Health, Physical Education, and Recreation

School of Law

School of Music

School of Public and Environmental Affairs

Graduate School

Graduate Library School

University (Freshman) Division

Division of Continuing Education

Indiana University - Purdue University at Indianapolis

School of Liberal Arts

School of Engineering and Technology

School of Sciences

Indianapolis Law School

Herron School of Art

Normal College of the American Gymnastic Union

School of Social Service

Division of Business

Division of Education

University Division

On the Medical Center Campus:

School of Medicine (includes the Division of Allied Health Sciences)

School of Dentistry

School of Nursing

Division of University Hospitals

The Regional Campuses

Indiana University East (Richmond)

Indiana University at Fort Wayne

Indiana University at Kokomo

Indiana University Northwest (Gary)

Indiana University at South Bend

Indiana University Southeast (New Albany-Jeffersonville)

These campuses grant degrees in the Arts and Sciences, Education, and Business. Through the Division of General and Technical Studies, associate degrees are awarded, as at Bloomington and IUPUI, in a number of allied health areas.

Additional University facilities include Bradford Woods, the biological station at Crooked Lake, the Geologic Field Station in Montana, the Lake Monroe biology site, the Goethe Link Observatory and Morgan-Monroe Observatory of Goethe Link, the Angel Mounds historical site near Evansville, and Camp Brosius at Elkhart Lake, Wisconsin.

The Indiana University library system contains more than 4,500,000 items. Comprising this system are the University Library; the Lilly Library, with its valuable collections of rare books and manuscripts; libraries at each of the regional campuses; school and departmental libraries; and collections at housing units in the Halls of Residence.

ADMISSION TO THE UNIVERSITY

Freshmen are expected to have graduated from high school and to have completed four units (years) of English and nine or more units in some combination of foreign language, mathematics, science, and social studies. Students for Arts and Sciences, Nursing, and Allied Health Sciences should have two or more units each of one foreign language, mathematics, and science. Students for Business and for Arts and Sciences curricula involving mathematics should have two years of algebra plus trigonometry.

In-state freshmen are expected to rank in the top half of their class and to have made scores above average for high school seniors on the College Board Scholastic Aptitude Test (SAT) or the American College Test (ACT). The Admissions Committee is authorized to make exceptions and consider unusual skills and qualifications. Adult applicants receive particular consideration.

Out-of-state freshmen are expected to rank in the top quarter of their class and to have test scores in the top quarter of high school seniors on the SAT or ACT.

Transfer applicants who are residents of Indiana are expected to have cumulative grade indexes of C or higher, at least 2.0 on a 4.0 system.

Out-of-state transfer applicants are expected to have a B average or higher.

Applications may be filed after completion of the junior year in high school. Transfer applicants may apply during the school year preceding proposed entry. Closing dates for applications are December 1 for second semester, April 15 for summer sessions, and July 1 for first semester. An application fee of \$15 is required of each applicant who is new to the University. All questions concerning admission should be directed to the Office of Admissions of the campus the student wishes to enter.

University Division. All students entering Indiana University directly from high school and all students transferring to the University during their freshman year enter the University Division. The chief purpose of the University Division is to guide the freshman student toward his educational goal. As a freshman you will be assigned a faculty counselor (usually in your major department), who advises you in your program planning and assists you with any academic questions or problems.

All new freshmen should participate in the preregistration program held in July, and all freshmen will be expected to participate in the fall orientation program on campus, which acquaints them with organizations and services of the University and instructs them in study techniques.

FEES

Indiana University does not charge resident students a tuition fee for the cost of instruction. Fees charged nonresidents cover in part the cost of instruction. A portion of fees is allocated for cultural and recreational uses and for health services.

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

Fee Schedule, 1973-74

FIRST AND SECOND SEMESTERS

BLOOMINGTON		Indiana Resident	Nonresident
Undergraduate* (12-17 hours)†	.....	\$325/sem.	\$745/sem.
Undergraduate* (1-11 hours)	.....	\$ 27/cr. hr.	\$ 62/cr. hr.
Graduate‡	.....	\$ 27/cr. hr.	\$ 62/cr. hr.
Auditing (lecture courses only)§			
Full-time students||	.....		no charge
Part-time students	.....		\$10/cr. hr.
Special fees (in addition to basic fees)			
Applied music||	.....		\$35/sem.
Student teaching	.....		\$50
Late enrollment or re-enrollment	.....		\$25
Special examination	.....		\$ 5 to 10
Bowling, golf, horsemanship	.....		(payment made to bowling alley, golf course, or academy for use of facilities)
Transcripts (after first)	.....		\$ 1
Deposits (to cover loss or breakage)			
ROTC	.....		\$10
Band	.....		\$ 5
Singing Hoosiers	.....		\$ 5
Special Health Service Fee (optional)#	.....		\$20/sem.
Rentals			
Music instruments	.....		\$ 5 to \$25 a semester for each hour of daily use
Practice room	.....		\$3 a semester for each hour of daily use
			(above practice room rental not charged if applied music fee is paid)
Lockers			
Woodburn Hall, Law Building, Ballantine Hall, Music Building, and Business Building			\$ 5 deposit, \$1-\$1.50 rent deducted a semester
HPER Building (for person not enrolled in HPER courses for credit)	.....		\$ 3 a semester
Independent Study (Correspondence)			
College-credit courses (residents and nonresidents)	.....		\$20/cr. hr.
High school courses (residents and nonresidents)	.....		\$20/course
INDIANAPOLIS		Indiana Resident	Nonresident
Undergraduate*	.....	\$ 20/cr. hr.	\$ 40/cr. hr.
Graduate*	.....	\$ 25/cr. hr.	\$ 50/cr. hr.
Medicine	.....	\$500/sem.	\$1,050/sem.
Dentistry	.....	\$425/sem.	\$ 900/sem.
Law	.....	\$ 27/cr. hr.	\$ 62/cr. hr.
Radiologic (X-Ray) Technology	.....	\$185/year	\$ 185/year
Herron School of Art	.....	\$ 26/cr. hr.	\$ 26/cr. hr.

* Includes Evening Division, and Special Students.

† An additional charge is made at the appropriate credit-hour rate for each credit hour taken in excess of 17.

‡ Includes School of Law and Division of Optometry.

§ Noncredit participants in courses which cannot be audited pay regular fees.

|| Full-time students: undergraduate, 12 or more hours; graduate, 9 or more hours.

¶ Persons desiring applied music who are not regularly working toward a degree will be charged \$150 per applied music course. Nonmusic majors will be charged \$35 for each applied music course.

Graduate students enrolled in 5 credit hours or less and undergraduate students enrolled in 7 credit hours or less who wish to receive the services of the Health Center must pay this service charge.

‡ Includes Downtown Campus, Nursing, Allied Health Sciences, Dental Hygiene, General and Technical Studies, NCAGU.

‡ Includes Graduate School, Graduate Library School, School of Social Service, and Graduate Divisions of Education, Business, HPER, Nursing, Dietetics, Dentistry.

REGIONAL CAMPUSES

	Indiana Resident	Nonresident
Undergraduate	\$ 20/cr. hr.	\$ 40/cr. hr.
Graduate	\$ 25/cr. hr.	\$ 50/cr. hr.

SUMMER SESSIONS (1973)**BLOOMINGTON**

Undergraduate	\$ 27/cr. hr.	\$ 62/cr. hr.
Graduate*	\$ 27/cr. hr.	\$ 62/cr. hr.

OTHER CAMPUSES

Undergraduate	\$ 20/cr. hr.	\$ 40/cr. hr.
Graduate	\$ 25/cr. hr.	\$ 50/cr. hr.
Law (IUPUI)	\$ 27/cr. hr.	\$ 62/cr. hr.
Herron School of Art (IUPUI)	\$ 26/cr. hr.	\$ 26/cr. hr.

Fee Refund Schedule, 1973-74**FIRST AND SECOND SEMESTERS****BLOOMINGTON**

	Full Withdrawal	Partial Withdrawal
First week, or until Drop and Add Day	100%	100%
Second and third weeks	50%	none
	or all except \$50, whichever is larger	
Thereafter	none	none

IUPUI AND REGIONAL CAMPUSES

First week	100%
Second week	60%
Third week	40%
Fourth week	20%
Thereafter	none

SUMMER SESSIONS (1973)**BLOOMINGTON****For Intensive Sessions (courses 13 class days in duration)**

Withdrawal before second class	100%
Withdrawal before third class	50%
Thereafter	none

For Those Courses Which Are Six or Eight Weeks in Duration

	Refund for Full Withdrawal	Refund for Partial Withdrawal
First week, or until Drop and Add Day	100%	100%
Second week	50%	none
	or all except \$50, whichever is larger	
Thereafter	none	none

IUPUI AND REGIONAL CAMPUSES

First week	100%
Second week	40%
Thereafter	none

Rule Determining Resident and Nonresident Student Status

This Rule establishes the policy under which students shall be classified as residents or nonresidents upon all campuses of Indiana University. A nonresident student shall pay a nonresident fee in addition to fees paid by a resident student.

This Rule took effect July 1, 1972; provided, that no person properly classified as a resident student before July 1, 1972, shall be adversely affected by this Rule,

* Includes School of Law and Division of Optometry.

if he/she attended the University before that date and while he/she remains continuously enrolled in the University.

"Residence" as the term, or any of its variations, is used in the context of this Rule means the establishment of a permanent dwelling place within the state and the continued occupancy of such dwelling. A person entering the state from another state or country for the predominant purpose of attending an institution of higher education does not acquire residence for the purpose of this Rule. The fact that a person pays taxes and votes in the state does not result in the acquisition of residence as the term is used in this Rule.

1. A person shall be classified as a "resident student" if he/she has continuously resided in Indiana for at least twelve (12) months immediately preceding the first scheduled day of classes of the semester or other session in which the individual enrolls in the University; subject to the exception stated in paragraph 2.
 - a. The residence of a minor follows that of the parents or of a legal guardian who has actual custody of the minor or administers the property of the minor. In the case of divorce or separation, if either parent meets the residence requirements, the minor child will be considered a resident.
 - b. A minor who comes from another state or country for the predominant purpose of attending the University shall not be admitted to resident student status upon the basis of the residence of a guardian, except upon appeal to the Trustees in each case.
 - c. A person who otherwise would be deemed a nonresident shall not gain resident student status by reason of marriage; nor shall resident student status be lost by reason of marriage.
2. A minor child shall be classified as a resident student without meeting the twelve (12) month requirement of physical presence within Indiana if such presence in Indiana results from the establishment by the parents of their permanent residence within the state and if it is proved that the move was predominantly for reasons other than to enable such minor to become entitled to the status of "resident student."
3. When it shall appear that the family of a person properly classified as a "resident student" under paragraph 2 has removed its permanent home 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 the semester next following such removal.
4. Physical presence in Indiana for the predominant purpose of attending a college, university, or other institution of education, except high school or its equivalent, 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 status.
5. Nationality of a person shall not be a factor in determining resident student status if such person has the legal capacity to remain permanently in the United States.
6. 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 his degree shall have been earned, subject to the provisions of paragraph 3; conversely, a person once properly classified as a nonresident student shall remain a nonresident student until such time as he/she shall receive the degree for which he/she is enrolled.
7. The Registrar or the person fulfilling those duties on each campus shall classify each student as resident or nonresident, and may require and question proof of relevant facts. The burden of proof is upon the student making a claim to resident student status.
8. A Standing Committee on Residence shall be appointed by the President of the University.

9. A student who is not satisfied by the determination of the Registrar may lodge a written appeal with the Standing Committee on Residence, which Committee shall review the appeal in a fair manner and shall, if time and circumstances permit or require, afford to the student a personal hearing. The Committee shall report its determination to the Registrar who shall forward it to the student.
10. 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 this Rule, or is consistent with a decision of the Trustees; provided, that each such instance shall be promptly reported to the Trustees for approval.
11. A student, within thirty days after notice of an adverse decision by the Committee on Residence, may file an appeal to the Board of Trustees with its Secretary.
12. A student or prospective student who shall knowingly provide false information or shall refuse or conceal information for the purpose of 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.
13. A student who does not pay additional monies which may be due because of his classification as a nonresident student, within thirty (30) days after demand, shall thereupon be indefinitely suspended.
14. A student or prospective student who fails to request resident student status within a particular semester or session shall be deemed to have waived any alleged overpayment of fees for that semester or session.

ACADEMIC REGULATIONS

Degree Requirements. The student is held responsible for understanding all requirements for graduation and for completing them by the time he expects to graduate. Information concerning a specific school or division can be obtained by consulting the *Bulletin* of that school.

Total hours required for the baccalaureate degree are 122 to 124, determined by the individual school. A minimum accumulative grade-point average of 2.0 (on a 4.0 basis) is necessary. Class standing is based on credit hours completed: freshman, fewer than 27; sophomore, 27-55; junior, 56-85; senior, 86 or more.

Semester Load. A student is not permitted to enroll in fewer than 12 or more than 17 credit hours except with special permission from the dean of his school. The individual school sets the policy concerning the required grade-point average before the student may receive permission to carry more than 17 hours. Only in very exceptional cases shall the total carried exceed 19 hours.

Withdrawals from Courses. Withdrawals during the first three weeks of a semester or first two weeks of a summer session are automatically marked W. Withdrawals which would reduce a student's enrollment below 12 hours or interrupt his progress toward satisfaction of specific area requirements will not be authorized.

Petitions for withdrawal after the periods specified above will not be authorized by the dean of a student's school except for urgent reasons related to extended illness or equivalent distress. The desire to avoid a low grade is not an acceptable reason for withdrawal from a course.

If the student withdraws with the dean's consent, his mark in the course shall be W if he is passing at the time of withdrawal and WF if he is not passing. The grade will be recorded on the date of withdrawal. Failure to complete a course without authorized withdrawal will result in the grade F.

Addition of Courses. No course may be added by undergraduate students after the first two weeks of a semester or one week of a summer session unless the instructor of the course petitions that an exception be made and the request is approved by the dean of the school in which the course is offered and the dean of the school in which the student is enrolled.

Grades. The quality of a student's work is indicated by the following grades.

A—Unusual degree of academic performance.

B—Above-average achievement.

C—Average achievement.

D—Passing work but below desired standards.

F—Failure in a course or failure to complete a course without an authorized withdrawal.

S—Satisfactory. May be used only with approval of the Dean of the College of Arts and Sciences and the Dean of the Faculties. Credits earned with the grade S count toward graduation but are not computed in the grade-point average. The grade S is assigned where credit by examination is awarded by the University when the examination is of passing quality but does not clearly merit an A grade. (See page 13.)

P—Pass. Given to a student who satisfactorily completes a course taken under the pass/fail option described on page 12. A grade of P is not counted in computing the cumulative grade-point average.

W—Withdrawn. Given automatically when the student, with the approval of his academic adviser and his dean, officially withdraws during the first three weeks of a semester or first two weeks of a summer session. After these deadlines the grade W is given, in the instance of an approved and properly executed withdrawal, only if the student is passing at the time of withdrawal.

WF—Withdrawn failing. Given when the student withdraws after three weeks of a semester or two weeks of a summer session, if his work is not passing at the time of withdrawal.

I—Incomplete. May be given only when the work of the course is substantially completed and when the student's work is of passing quality. When an Incomplete is assigned, a record must be maintained in the office of the department in which the grade was given. The record will include a statement of the reason for recording the Incomplete and an adequate guide for its removal, with a suggested final grade in the event of the departure or extended absence of the instructor from the campus.

A student must remove the Incomplete within one calendar year from the date of its recording, except that his dean may authorize adjustment of this period in exceptional circumstances. *If the student fails to remove the Incomplete within the time allowed, the dean will authorize the Office of Records and Admissions to change the grade to F.* Both the student and the instructor will be notified of this change in grade.

When the grade of Incomplete is given because the student missed the final examination, he will be allowed to remove the Incomplete by taking the examination only if he has the approval of the Committee on Absence and the instructor.

The student may not register in a course in which he has a grade of Incomplete.

These regulations do not apply to research and reading courses in which completion of the work of the course is not necessarily required at the end of the semester. Once a student has graduated, nothing in these regulations shall prohibit the Incomplete from remaining on the record.

Absences from Scheduled Classes. Illness is usually the only acceptable excuse for absence from class. Other absences must be explained to the satisfaction of the instructor, who will decide whether omitted work may be made up. The names of students who are excessively absent are to be reported by their instructors to the Dean of Students.

Absences from Final Examinations. A student who fails to attend the final examination of a course and who has a passing grade up to that time may be given a grade

of Incomplete. The Committee on Absence of the Office of the Dean of Students reviews excuses concerning absences from final examinations and informs instructors of its decisions.

ACADEMIC STANDING

Candidates for Baccalaureate Degrees in Good Standing. A student is considered to be a candidate in good standing for an Indiana University baccalaureate degree when he has been regularly admitted by the Office of Records and Admissions, when his academic grade-point average is not less than a C (2.0) average for the last semester's work, and when his cumulative average is not below this same level.

Academic Probation. An undergraduate student is on academic probation when his cumulative average is below C (2.0). He is also on probation for the duration of the regular semester following one in which he failed to attain a C average. A graduate student may be placed on probation if his cumulative average falls below B (3.0).

Every student on academic probation must comply with such restrictions as the Office of the Dean of Students or the dean or director of the school or campus in which the student is registered may deem necessary.

Dismissal. A student is dismissed from the University when, in the judgment of the Scholarship and Probation Committee, he has ceased to make progress toward his degree. When an undergraduate student has failed to attain a C (2.0) average in any two semesters and when his cumulative average is below C (2.0), he is automatically considered to be making no progress toward his degree. A graduate student's status is reviewed when he fails to regain a B (3.0) average after being placed on probation.

A student whose record reveals failing, or near-failing, performance in any semester, regardless of his previous cumulative average, or whose cumulative average falls below C (2.0), is always carefully evaluated with a view to possible dismissal.

Readmission. The Scholarship and Probation Committee considers petitions for readmission from students who have been dismissed. A student dismissed for the first time may petition for readmission to any division of the University. The Committee may recommend re-entrance without delay if warranted by exceptional circumstances and if it believes the student will make progress toward his degree. A student dismissed for the second time may not be admitted for the next regular semester but is eligible to submit a petition for readmission after a period of at least one regular semester.

In order that petitions for readmission be considered and accepted by the Committee, students eligible to submit them must do so before July 1 for the fall semester, December 1 for the spring semester, and April 15 for the summer sessions.

SPECIAL OPPORTUNITIES FOR STUDENTS

Indiana University's special programs give the able and motivated student an opportunity to develop his intellectual talents through a flexible curriculum. Special courses for freshmen and sophomores, as well as formal departmental honors programs, challenge the student to employ intellectual independence and resourcefulness. The purpose of these programs is to prepare students both for graduate or professional study and for any aspect of life which follows graduation. It provides the specialized and individual instruction traditionally associated with a small college but supported by the full resources of a distinguished university: libraries, laboratories, an internationally recognized faculty, and a cosmopolitan student body.

Pass/Fail Option. Any undergraduate student in good standing (not on probation) may enroll in up to a maximum of eight elective courses to be taken with a grade of P (pass) or F (fail) during the four years of his undergraduate program. The pass/fail option is open for a maximum of two courses per year, including summer sessions. For this option, the year is defined as September 1 to September 1.

The School of Health, Physical Education, and Recreation courses M130 and W100 may be elected on a pass/fail basis in addition to two other courses permitted in the first year.

A grade of P is *not* counted in computing the cumulative grade-point average; a grade of F is included. A grade of P cannot be changed subsequently to a grade of A, B, C, or D.

Instructors will not be notified of those registering for this option. The conversion of the instructor's grade into P or F will be made by the Registrar.

Credit by Examination. A student may receive credit for certain courses by successful performance on College Board Achievement Tests, College Board Advanced Placement Tests and/or examinations offered by an academic department while at Indiana University. The appropriate department of the University reviews the College Board Advanced Placement Tests in order to make recommendations about advanced standing. A student who believes he is prepared for advanced study or eligible for special credit because of superior preparation or independent study is urged to accelerate his college program in this manner.

Where credit by examination is awarded by the University, that credit will be recorded simply with the grade S unless the examination clearly merits an A grade. Failure to pass the examination carries no penalty. A student may thus graduate early, or he may use the time gained to take courses beyond those ordinarily required for an undergraduate degree.

The Honors Program. The Honors Program extends over four years of undergraduate study and leads to a distinctive degree of Bachelor of Arts or Bachelor of Science with Honors. While the University and its undergraduate schools have specified the requirements for graduation of all students, substitutions within the spirit of these requirements may be made to the benefit of the individual superior student. Special faculty counseling is provided to assist the Honors participant in employing his time wisely.

Students satisfying the requirements of a departmental Honors program are granted degrees indicating that they have participated in the "Honors Program of Independent Study and Research." The University also recognizes high cumulative grade-point averages by awarding degrees with designations of Distinction, High Distinction, and Highest Distinction.

Overseas Study Programs

Indiana University Programs. Credit earned in overseas study programs sponsored by Indiana University, or participated in by Indiana University on a consortium basis, are considered Indiana University credit and are not transfer credit. Consequently, University scholarships and loans are applicable to fees for these programs. Credit usually satisfies Indiana University degree requirements and meets the senior residence requirement. Programs are not restricted to language majors. Indiana University's programs include academic year programs at Bologna, Hamburg, Jerusalem, Lima, Madrid, Strasbourg, and São Paulo; summer programs in Mexico City and Dijon; the Committee on Institutional Cooperation summer honors program in Mexico City; summer programs in Edinburgh and Bermuda, operated by the Division of Continuing Education; the American University Field Staff Centers in Rome and Singapore (second semester); teacher training programs in Rennes, Nice, and Seville; the Council on International Educational Exchange Russian language program in Leningrad. For further information consult the University Overseas Study Programs Office, Student Services 303, Bloomington campus, or international program coordinators on each I.U. campus.

Other Study Abroad Programs. Overseas study programs sponsored by institutions and organizations other than Indiana University are of varying quality. University policy on the acceptability of transfer credit from such programs is as follows:

1. Transfer credit will be granted in accordance with usual Indiana University policy for credit earned in programs administered by a regionally accredited U.S. college or university, or by a foreign institution which is recognized by the Ministry of Education of the country as a university-level institution.
2. Transfer credit will similarly be granted for university-level course work completed at institutions or agencies which have been officially evaluated by Indiana University. (Students are encouraged to consult with the Foreign Admissions Office, Student Services 019, Bloomington campus, to determine which nonsponsored programs have been evaluated by Indiana University.)
3. Transfer credits may in certain cases be granted for university-level course work completed at certain nonaccredited overseas institutions and agencies which have not been evaluated by Indiana University but for which an academic record with grades is issued, but the maximum quantity will be one Indiana University credit for each two semester hours of credit (or the equivalent) appearing on the transcript of the institution or agency. In many cases, despite the issuance of a transcript, no transfer credit will be granted. (Also check with the Foreign Admissions Office for programs in this category.)
4. No credit will be granted for work completed in programs for which no grades or transcripts are issued.

Other Policies

1. In all transfer cases, the quantity of credit awarded by Indiana University will never exceed the number of credits which can be earned at an Indiana University campus in the same amount of time.
2. Many courses which are completed in study abroad programs fall into a sequential pattern among Indiana University departmental offerings. Specific examples include language courses at various levels, applied music, music theory, mathematics, and natural sciences. In all cases where sequential-type courses are involved, the respective academic departments may at their discretion require examinations before any transfer credit is granted.
3. In order to avoid misunderstandings, students who plan to participate in overseas study programs which are not sponsored by Indiana University are strongly urged to consult their major department(s) or school before making any commitment.
4. None of the preceding affect in any way the procedures for establishing credit by examination which are outlined in this *Bulletin*.

Medical Center

The Medical Center at Indianapolis includes 80 acres and the Schools of Dentistry and Nursing, the School of Medicine and its Division of Allied Health Sciences, the Robert W. Long Hospital, the James Whitcomb Riley Hospital for Children (including the Kiwanis Wing), the Rotary Building, the Clinical Building, the William H. Coleman Hospital for Women, the Union Building, the Medical Science Building, and the University Hospital. Located adjacent to the Medical Center are Marion County General Hospital, Veterans Hospital, and the LaRue D. Carter Memorial Hospital. Such a situation is ideal for study in all programs of the health sciences. Students are admitted to all the University hospitals and clinics for training and observation.

HOUSING AT INDIANAPOLIS

Applications for housing at the Medical Center campus for IUPUI students may be obtained from Phil D. McQuillen, Associate Director of Housing, Third Floor—Single Student Dorm, 1300 West Michigan Street, Indianapolis, Indiana 46202. A small inexpensive picture and a check for the \$25 loss and breakage security deposit must accompany the application. Space assignments are made on the basis of the date the deposit is received. The IUPUI Housing Office, located on the third floor of the Single Student Dorm Building, also maintains a file of *nonapproved* off-campus facilities for single and married persons which must be checked personally by each interested individual for listings that are current for any given date throughout the year. Mrs. Evelyn Badgett will assist students desiring off-campus living facilities. The total number of facilities listed in a city as large as Indianapolis cannot be inspected or checked by University staff members and therefore the listings do not represent *approved* off-campus housing units.

Housing accommodations for unmarried students are located in the Single Student Dorm Building which is adjacent to and connects directly at the north end of the Union Building. (Please Note: These two buildings represent separate operations under separate management responsibilities.) Men are assigned to the first floor (48 beds) and women are assigned to the second, third, fourth, and fifth floors (192 beds). Each double room in the Dorm Building includes two single beds with other items of furniture and furnishings and has good closet and storage space, a telephone, and air conditioning. Central bathrooms are located on each floor. A Cafeteria and a Snack Bar are located in the connecting Union Building. (Cooking is not permitted in the Residence Hall student rooms at the Medical Center.)

In the Single Student Dorm (where residents furnish their own towels, bedspreads, and blankets) the rates for the accommodations are established and are subject to change by action of the Board of Trustees. For the 1972-73 academic year the rate in the double room was established at \$247.50 per semester per person. The "single rate" in a double room (\$350 per semester) is usually only available during the summer months.

Unfurnished apartments at the Medical Center for married students include efficiency and one-bedroom accommodations in the Warthin Apartment Building and two-bedroom metal-sided barrack-type apartments in Winona Village. The rates range from \$72 per month (Winona Village) to \$100 and \$127 per month (1972-73 academic year rate structure). *Furnished* apartments include efficiencies and one-bedroom accommodations in Warthin (\$111 to \$136 per month) and one-bedroom apartments in the Union Building (\$135 per month).

Rates are subject to change for the 1973-74 academic year by action of the Board of Trustees.

STUDENT ACTIVITIES AT INDIANAPOLIS

Student Activity Board. The Student Activity Board is the central student organization at Indiana University - Purdue University at Indianapolis. Its objective is to provide cultural, social, and recreational activities for all students on that campus. The organization is composed of two representatives from each of these twelve divisions or programs: Division of Allied Health Sciences, Downtown Campus, School of Social Service, Herron School of Art, Associate of Arts Degree in Nursing Program, Indianapolis Law School, Normal College of the American Gymnastic Union, School of Dentistry, School of Medicine, School of Nursing, the Medical Sciences Graduate School, and the 38th Street Campus.

Religious Activity. The Medical Center chaplain's office is open for personal appointments. A chaplain is available for students of each faith to provide spiritual leadership to individuals and to their religious groups.

The Inner-Varsity Christian Fellowship is an international organization founded in Britain in 1867 for the development of Christian fellowship on university campuses. The Medical Center chapter was organized in September, 1944.

The Newman Club, an organization primarily for Catholic students, has an active chapter on the campus for Medical Center personnel.

Recreational and Cultural Activities. The proximity of Bloomington makes possible an evening's entertainment on that campus, where a series of inviting programs of theatre, music, and lectures which the Medical Center student may attend are scheduled. Indiana University basketball and football tickets are available at student prices, and many Medical Center students plan weekends on the Bloomington campus as part of their social calendar.

A variety of recreational activities is offered to students. Facilities are available for dances, teas, parties, movies, tennis, archery, ping-pong, baseball, badminton, basketball, swimming, and bicycling.

Indianapolis. The city of Indianapolis has much to offer the student. The nationally famous Indianapolis Symphony presents concerts throughout the winter season. Several civic theatre groups as well as touring troupes which frequently visit provide a widely varied program of plays. Butler University, Indiana Central College, and Marion College are all located in Indianapolis. Art galleries, libraries, and museums enrich the city. There are ten radio stations, four television studios, and many movie houses to entertain the Indianapolis residents.

STUDENT SERVICES AT INDIANAPOLIS

Union Building. This campus is one of the few medical centers in the country to have its own Union Building. The Union Building provides a variety of activities and services for students, faculty, staff, and guests of the University.

The facilities in the Union Building include: Cafeteria, providing full meals, including breakfast, lunch, and dinner; Snack Bar, for sandwiches, salads, desserts, and beverages; banquet service, available for special events; and meeting rooms, available for students. Recreational facilities include a swimming pool, table tennis equipment, pocket billiard tables, and nearby tennis courts.

A beauty salon and barber shop are located on the ground floor of the Union. Guest rooms for overnight guests are available for the convenience of persons who will be visiting at the University.

The Bookstore offers all necessary textbooks and supplies for the Schools of Nursing, Medicine, Dentistry, and the Division of Allied Health Sciences. Also available are magazines, novelties, and sundry items.

Library. The combined libraries of the Schools of Medicine and Nursing are located in the Medical Science Building. The Library contains 88,201 professional volumes and subscribes to 2,391 foreign and domestic periodicals. Most of the journal

files are complete, and gaps are being filled through exchange of duplicate volumes with other medical libraries, by gifts, and through direct purchase. Current issues of some 400 periodical titles received are always available in the reading room. The Library seats 200 persons, and ready access to reference materials is provided by 2,500 selected indices, encyclopedias, and dictionaries placed on open shelves in the main reading room.

A handbook describing the Library and its services is available upon request. In U-M, a computer-produced list of serial holdings, and three KWIC indices to various bibliographies and government publications have been compiled by the library staff. A combination newsletter and booklist is issued bimonthly.

Student Activities. In the past, each IUPUI unit has had student organizations which functioned on local campuses. In many cases this pattern still prevails with the various student groups continuing to serve the particular needs and interests of their respective student constituencies through local departmental clubs and special interest groups. Student government is also organized on a decentralized pattern with most of the components having a student senate or student council of some sort.

In addition, several campus-wide groups have evolved at IUPUI since the merger. One example is the Student Activities Board which is composed of twenty-two student representatives for all campuses of IUPUI. It carries out programs with broad-based appeal.

Health Care and Insurance. The Student-Employee Health Service (SEHS) is located at the Clinical Building at the Medical Center. All full-time IUPUI students are eligible for the program of health care provided by SEHS. There is no fee for the services of physicians, nurses, or specialty consultants. In addition, the clinic has available about seventy specialty clinics to which students may be referred. Certain in-patient benefits are also available to students, and prescriptions from SEHS cost a maximum of \$3. The University has also arranged for an optional health insurance plan to supplement the services provided by the SEHS Clinic. All full-time students are eligible to participate in this program through a private insurance carrier. Information is available at registration.

FINANCIAL AID

General University scholarships and financial aids are available to students in Allied Health Sciences; in addition, there are special scholarships and loans available only to Allied Health Sciences students.

Scholarships and Grants. General University scholarships are available to students of high academic achievement. Students whose parents are able to provide limited financial assistance are eligible to be considered for the Educational Opportunity Grant Program or the University Grant Program.

Loans. Student loans are available to students who demonstrate need for financial assistance. The University administers both the National Direct Student Loan Program and the Federally Insured Student Loan Program.

Applications. Application and additional information concerning financial aid may be obtained from the Office of Scholarships and Financial Aids, Student Services 208, Indiana University, Bloomington, Indiana 47401; or Cavanaugh Hall 305, 925 West Michigan Street, Indianapolis, Indiana 46202; or at any of the other Indiana University campuses. Incoming freshman students should apply before February 15. Upperclass or continuing students should apply by April 1 for renewal of previous awards and for consideration for new awards.

Employment. Any student wishing employment in the various departments of IUPUI may apply to the Personnel Department at the Medical Center.

The federal Work-Study Program expands employment opportunities for students who must finance the major portion of their education. Application for the Work-Study Program is made through the general financial aid application mentioned above.

Aids to Veterans. The University is approved under the G.I. Bill and the War Orphans Education Program. Information on financial aid available to veterans under government benefits of public laws may be secured through the Veterans Administration Regional Office, 36 South Pennsylvania Avenue, Indianapolis, Indiana 46204.

Any student who has been a resident of Indiana for one year and whose parent has a service-connected disability or death during World War I or II, the Korean Conflict, or the Vietnam era is eligible for the Child-of-Disabled Veteran Award and is entitled to a partial remission of fees. Application for this award is made through the Office of Scholarships and Financial Aids.

Division of Allied Health Sciences

As a part of the School of Medicine, the Division is concerned with the preparation of personnel in the health-related areas. The Division was established in September, 1959, by action of the Trustees of Indiana University. In 1960, the Board of Trustees conferred upon the faculty of the School of Medicine the responsibility and authority to qualify, for the Bachelor of Science degree, those students successfully completing the prescribed curriculum in the following areas of study: Medical Records Administration, Medical Technology, Occupational Therapy, Physical Therapy, Public Health Dental Hygiene, Public Health Education, and Public Health-Environmental Health. In 1964 the Public Health Administration program was approved, and in 1965, the Cytotechnology degree program. The first two-year associate degree program in Inhalation Therapy (now known as Respiratory Therapy) was approved in 1965. Radiologic Technology in 1966, Hospital Dietary Technology in 1968, and Occupational Therapy Technology in 1970 were added as associate degree programs in the Division of General and Technical Studies.

Opportunities for graduate study are also available to allied health professionals both within and outside of the Division. In 1971, a Master of Science in Allied Health Sciences Education was jointly approved by the School of Education and the School of Medicine to prepare teachers in the allied health professions. In 1972, a Ph.D. program in human motor performance was established for physical therapy graduates in cooperation with the Graduate School and the Department of Physical Education (see description under Graduate Programs).

The Graduate School offers options in the basic sciences to allied health graduates. Other graduate courses and degrees are also available through the School of Education. Because admission and degree requirements vary, a candidate should communicate with the Division of Allied Health Sciences, 1100 West Michigan Street, Indianapolis, Indiana 46202. Each candidate will be counseled individually by the Division of Allied Health Sciences in cooperation with the appropriate school or division.

Objectives of the Division of Allied Health Sciences. The Division of Allied Health Sciences of the Indiana University School of Medicine has adopted the following objectives:

1. To educate and train students enrolled in the several disciplines offered by the Division so they can assume a responsible professional role in the discipline or speciality of their choice.
2. To prepare students to make meaningful contributions toward the prevention of illness and the promotion of health, its maintenance, rehabilitation, and restoration.
3. To stimulate students to think and reason rationally and to become effective contributing members within the framework of programs whose objectives are aimed at community improvement.
4. To provide continuing education for both individuals and disciplines within (the various areas of) allied health.
5. To prepare students to meet all professional specifications established by registration or certification boards, both official and nonofficial.
6. To provide graduate education for allied health graduates which will enable them:
(a) to acquire a deeper understanding of their professional field; (b) to gain an understanding of the educational purposes and processes as they relate to their particular area; (c) to identify problems in the educational and clinical field areas of their allied health specialty and to conduct research in these various areas.

Accreditation. The Division of Allied Health Sciences shares with the other schools of the University the accreditation accorded Indiana University as a member of the North Central Association of Colleges and Secondary Schools.

The programs in Cytotechnology, Medical Record Administration, Medical Technology, Occupational Therapy, Physical Therapy, Radiologic Technology, and Respiratory Therapy are, in addition, fully approved by the Council on Medical Education of the American Medical Association in collaboration with the appropriate professional organization.

ADMISSION

Students seeking admission to the Division of Allied Health Sciences must file an "Application for Admission to the Division of Allied Health Sciences" during the period of September 1 to December 1 of the year prior to the anticipated entry into the professional field of study in the Division. All completed applications are to be submitted by the applicant to the Office of the Division of Allied Health Sciences, 1100 West Michigan Street, Indianapolis, Indiana 46202.

A student is eligible to be considered for admission when the student's transcript of work completed shows the reasonable probability that the Allied Health Science's Core Curriculum and all prerequisites for the selected professional field of study can be satisfactorily completed prior to the date of the opening of classes of the year for which application is made. To be considered for admission, a student must have at least an accumulative grade-point average of C (2.0). Students applying for the Physical Therapy Program must have at least a C+ (2.5) accumulative grade-point average.

For admission purposes, consideration is not given for duplicated courses, physical education activity, or military sciences; however, these courses are included in the accumulative grade-point average.

It will be to the benefit of all students interested in an allied health field to complete the "Program Inquiry" form on page 65 of this *Bulletin*. The completed form should be forwarded to the Office of the Division of Allied Health Sciences, 1100 West Michigan Street, Indianapolis, Indiana 46202.

Physical Examination. Each applicant must furnish a report of a current physical examination. This examination must have occurred within three months of the date of application.

ACADEMIC INFORMATION

Grades. The letter grade codes and their specific definitions which are used by the Division are the same as those utilized by the University Division. Specific information may be found on page 11.

Academic Probation. A student is placed on academic probation for the duration of the semester succeeding the one in which he failed to earn a C (2.0) average, except in individual programs which have additional academic standards. Students are informed of these programs' standards upon admission. The student will be removed from probation at the end of the probationary semester providing his accumulative average is satisfactory.

Probation may also be assigned to students who fail to meet satisfactory standards of professional behavior. Unsatisfactory standards are represented by such behavior as: absence without leave, undue carelessness or negligence in studies or practice, inattention to the needs of patients, and falsification of records or reports. Students and parents are notified of probationary status. A student who is placed upon probation for the above reasons will be removed from this status on the basis of his professional conduct in the time period (not to exceed one semester) subsequent to the initiation of probation.

This student's professional conduct will be evaluated by his immediate faculty and program director, and their report will be reviewed by the Allied Health Council before the probationary period is rescinded.

Dismissal. Specific minimum standards must be met in order to be retained as a professional candidate for a degree. A student in the Division of Allied Health Sciences

is dismissed when in the judgement of the Allied Health Review Committee and with the concurrence of the Allied Health Council, he has ceased to meet the academic and professional standards of his field of study. When a student has failed to attain a C (2.0) average in any two consecutive semesters or has an accumulative average below C (2.0) for two consecutive semesters; when he has failed to make higher than a D (1.0) average in any one semester; or when he has failed to meet the additional specific academic standards of individual programs, he will be dismissed as not making progress toward his degree. The student may be asked to discontinue his field of study when he fails to show aptitude and/or fails to maintain a satisfactory level of performance.

Readmission. The Allied Health Council, consisting of the program directors and other faculty, will consider petitions for readmission from students who have been dismissed. A dismissed student must petition the Council within fifteen days of receipt of notification to be considered for readmission. The student who has been dismissed will submit his petition in writing to the Office of the Division of Allied Health. This petition will state the extenuating circumstances that caused the student to be dismissed and what his intended efforts are in maintaining a satisfactory level of performance during his probationary period, if he is readmitted. The petition will be acted upon within a period of fifteen days and the petitioner will be notified of the Council's decision. Once readmitted, a student will be granted one semester of probationary status in which to attain a satisfactory academic and professional level of performance. A dismissed student who does not petition for readmission to the Division of Allied Health Sciences within fifteen days may reapply for the subsequent year. The reapplication will be subject to the recommendation of the Admissions Committee.

The student who voluntarily and temporarily withdraws from a program must arrange for continuation with the individual program director during the semester of departure. If arrangements for continuation are not made, then the student must reapply to the Division of Allied Health Sciences. Admission will be subject to the recommendation of the Admissions Committee.

Student Responsibility. Application to and enrollment in the University constitutes the student's commitment to honor and abide by the practices and regulations stated in the University's official announcements, bulletins, handbooks, and other published materials and to conduct himself in a manner that is mature and compatible with the University's function as an institution of higher learning.

GRADUATION REQUIREMENTS

The Bachelor of Science degree will be conferred by the Indiana University School of Medicine upon persons who have been regularly admitted by the Office of Admissions and have met the following requirements: (1) satisfactory completion of the Core Curriculum of the Division of Allied Health Sciences of the School of Medicine, (2) completion of a minimum of 122 semester hours of academic work including the specific professional requirements for the program pursued, (3) a minimum accumulative average of C (2.0), (4) achievement of the specific minimum academic and professional standards established by each program, and (5) completion of the last 30 semester hours of University work in residence at any Indiana University campus. The Associate in Science degree will be conferred on two-year graduates of Hospital Dietary Technology, Occupational Therapy Technology, Radiologic Technology, and Respiratory Therapy.

During the last semester of enrollment before graduation, the student is responsible for submitting an "Intent to Graduate" form obtained from the Office of the Division of Allied Health Sciences confirming that all requirements have been met for the appropriate degree. Degrees are granted in May and August; however, commencement is held only in May. Candidates for degrees in August may participate in May commencement.

Students participating in graduation ceremonies must do so at the campus at which they were last enrolled.

Distinction is awarded to students at graduation who meet the following criteria: 1) completion of at least 60 semester hours at Indiana University, of which not more than 10 semester hours may be pass/fail, 2) an accumulative grade-point average of 3.5 or above, and 3) class standing in the upper 10 percent of his professional program.

The degree requirements for the graduate program are described on page 41.

Prerequisite Requirements. In addition to the Allied Health Core Curriculum, certain courses are required to complete prerequisite requirements (see specific professional field of study in the program section).

CURRICULUM

The curricular patterns of the Division of Allied Health Sciences vary with the professional fields of study. Curricula include from one to three years of preparatory courses followed by professional studies. As part of the professional studies, the following programs require clinical/field experience: Medical Record Administration, Occupational Therapy, Physical Therapy, Public Health Dental Hygiene, Public Health Education, and Public Health-Environmental Health.

Allied Health Core Curriculum

All students must complete the Allied Health Core Curriculum as listed below:

Public Speaking	2-3 credits
English Composition	2-3 credits
Introductory Sociology	3 credits
Introductory Psychology	3 credits
Introductory Algebra and Trigonometry	3-5 credits
Zoology (Animal Biology)	4-5 credits
*Elementary Chemistry (with lab—nonterminal course)	4-5 credits

The Division of Allied Health Sciences permits a wide latitude in elective credits. Students should consult individual professional program presentations for suggested electives. The student should also consult the bulletins of the College of Arts and Sciences, the Schools of Business and of Education, and of the campus on which he is enrolled.

* Students in Medical Technology refer to the Medical Technology Program presentation for specific chemistry requirements.

Directory for the Division of Allied Health Sciences

GLENN W. IRWIN, JR., M.D., Dean, School of Medicine
JACK W. LUKEMEYER, Ph.D., Associate Dean for Allied Health Sciences
HAL HEFNER, Assistant to the Associate Dean for Allied Health Sciences

DIVISION OFFICES

Indianapolis	Jack Lukemeyer	264-8602
Indianapolis	Hal Hefner	264-8603

CURRICULA

Cytotechnology	Nancy Kortright, C.T.	264-7602
Medical Record Administration	Mary Ann Lacy, R.R.A.	264-7317
Medical Technology	Mary Feeley, M.T.	264-4076
Occupational Therapy	Carol Nathan, O.T.R.	264-7119
Physical Therapy	Frances Ekstam, R.P.T.	264-8913
Public Health Dental Hygiene	Suzanne Boundy, M.S.	264-7801
Public Health Education	Samuel Hopper, Ph.D.	264-7189
Public Health-Environmental Health	Harold Adams, R.P.S.	264-7189
Public Health Administration	Samuel Hopper, Ph.D.	264-7189
Radiologic Technology	Monte Chaille, R.T.	264-8277
Respiratory Therapy	Joseph Koss, I.T.	264-7311
Hospital Dietary Technology	Arlene Wilson, A.D.A.	264-8461

GRADUATE CURRICULA

Master's Program in Allied Health		
Sciences Education	Tali A. Conine, H.S.D.	264-8509

Programs in the Division of Allied Health Sciences

The letters preceding the number of each of the courses in the Division of Allied Health Sciences indicate the program. The letters used and their meanings are as follows:

- A HL A—Cytotechnology
- A HL B—Public Health Administration
- A HL C—Medical Technology
- A HL D—Public Health Dental Hygiene
- A HL E—Public Health Education
- A HL F—Respiratory Therapy
- A HL H—Public Health General Course
- A HL M—Medical Record Administration
- A HL P—Physical Therapy
- A HL S—Public Health-Environmental Health
- A HL T—Occupational Therapy
- A HL W—Coordinated courses
- T—Hospital Dietary Technology, Medical Record Technology, Radiologic Technology, Occupational Therapy Technology

Required courses are listed for each program (see course listings on pages 43-53 for descriptions of the courses). The abbreviation "P" in the course descriptions refers to course prerequisites; "R" refers to requirements which are suggested as desirable prior to enrollment, but not necessary for enrollment.

CYTOTECHNOLOGY

Professor Edwards (Director); Assistant Professor Kortright

One of the newest specialties in the medical laboratory is cytotechnology: the microscopic study of cells exfoliated and abraded from the body tissues. The cytotechnologist studies various samples of body fluid to detect cellular changes indicative of cancer. In providing a means of early detection, cytology makes possible the early diagnosis of cancer, thereby increasing the chances of a cure.

The cytotechnology student studies the morphology of cells and learns the composition of various smear patterns. The student learns to identify those changes which signal the need for further medical investigation or treatment.

The Cytotechnology Program is designed to give the student a background in biological science, as well as to provide opportunities for a number of elective hours. The fourth year is a full calendar year spent in a combined tutorial-didactic experience in the cytology laboratory. Application to the fourth year must be made by November 30, prior to the senior year. Enrollment is limited, and students should be prepared to elect an alternate program in the Division of Allied Health Sciences or the College of Arts and Sciences.

Students eligible for admission must have completed a total of 90 semester hours including the Allied Health Core Curriculum (page 22), the prerequisites listed below, and electives.

Prerequisites

Additional Chemistry beyond Core Curriculum (with lab.)	4-5 cr.
Human Anatomy—Physiology	7-10 cr.
Introduction to Microbiology (with lab.)	3-5 cr.
Developmental Anatomy	5 cr.
Genetics	4-5 cr.
Histology	4-5 cr.

Electives

The following areas of study are recommended, but in no way considered mandatory or inclusive: foreign language, medical microbiology, parasitology, virology, endocrinology, humanities.

Professional Program

General Medical Cytology A402	3 cr.
Gynecologic Cytology, Nonmalignant Conditions A HL A412	3 cr.
Gynecologic Cytology, Malignant Conditions A HL A422	3 cr.
Techniques in Medical Cytology A HL A462	2 cr.
Medical Terminology A HL M330	3 cr.
Cytology of Sputum and Bronchial Secretions A HL A432	3 cr.
Cytology of Body Fluids A HL A442	2 cr.
Cytology of Gastric Secretions, Urine, Spinal Fluid, and Other Secretions A HL A452	2 cr.
Pathology C477	2 cr.
Seminar in Cytology A HL A470	cr. arr.
Certification Internship A HL A465	6 cr.

HOSPITAL DIETARY TECHNOLOGY

Professor Irvin; Associate Professor Wilson (Director); Assistant Professors Abel, Boucher, Rickard, Van Ness; Instructor Lifsey

Graduates of approved high schools are eligible for admission to this two-year course. A dietary technician assists a professional dietitian in caring for the nutritional needs of individuals and groups. The program is planned with special emphasis on hospital food service, and graduates of the program are eligible for membership in the Hospital, Institution, and Educational Food Service Society.

Applications for this training program should be filed with the Department of Dietetics at the IUPUI Medical Center, Indianapolis. Classes begin each semester with a limited number of students. Students satisfactorily completing the course receive the Associate in Science degree from the Division of General and Technical Studies of Indiana University.

Inquiries relating to this program should be addressed to Miss Arlene Wilson, Department of Dietetics, IUPUI Medical Center, 1100 West Michigan Street, Indianapolis, Indiana 46202.

First Year

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Basic English Composition ENG W117	3	Elementary Chemistry I CHEM C101	5
Algebra MATH 111	3	Institution Equipment THDT P103	2
Foods I THDT F101	3	Meal Management THDT W101	3
Nutrition THDT N101	3	Quantity Food Production I THDT P101	3
Introductory Psychology I PSY B104	3	Fundamentals of Speech SPCH C110	3
	15		16

Second Year

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Sanitation and Safety THDT S101	2	Foods II THDT F102	3
Quantity Food Production II THDT P102	3	Diet Therapy THDT N102	3
Cost Control—Accounting for Dietetics THDT A101	3	Supervisory Techniques THDT J102	3
Food Purchasing THDT P100	3	Methods of Adult Education TED M101	3
Personnel Management THDT J101	3	Contemporary Biology	3
Principles of Sociology SOC S161	3		15
	17		

MEDICAL RECORD ADMINISTRATION

Associate Professor Ridley; Assistant Professors Lacy (Director), Miller, Schultheis, Smith; Instructors Ashton, Hefner; Lecturer Nolan

The medical record administrator, as director of a medical record department, is responsible for developing and maintaining a system of medical records to assist in patient care, provide training material for interns and residents, and serve as a source of information for medical research and clinical care evaluation. As director, he/she is also called upon to assist the hospital staff with many medical administrative and medicolegal problems.

The medical record administration student learns to recognize the organizational structures of health facilities and organizational patterns of medical staffs as operational entities in which medical record systems are developed and operating.

There is an affiliation with Indianapolis hospitals during the professional year. During the second semester of that year, the student completes a one-month affiliation which may be assigned outside Indianapolis.

The curriculum of the Medical Record Administration Program is approved by the Council on Medical Education of the American Medical Association in collaboration with the Committee on Education and Registration of the American Medical Record Association.

A student must have a grade of C or better in Anatomy and Physiology, Computer in Business K201, and Statistical Techniques K300, and an accumulative average of C or better to make application for the senior year. The student must attain a grade of C or better in all courses included in the required senior program.

In addition to the Allied Health Core Curriculum students must have completed the prerequisite courses listed below in order to be considered eligible for admission to the Medical Record Administration Program. Students eligible for admission must have completed a total of 90 semester hours including the Allied Health Core Curriculum (page 22), specific program prerequisites, and electives.

Because several prerequisite courses are not currently offered at many campuses students must seek specialized program planning and waivers from the Director of the Medical Record Administration Program (Miss Mary Lacy, Allied Health Building 230, 1100 West Michigan Street, Indianapolis, Indiana 46202. 317-264-7317). These specialized programs may be considered for meeting prerequisites *only* if they have been approved by the Director of the Medical Record Administration Program.

Prerequisites

Sociology	3 cr.
Professional Speaking or Group Methods	3 cr.
Logic or Ethics	3 cr.
Literature, Music Appreciation	3 cr.
Classic or Foreign Language	2-5 cr.
Human Anatomy (with lab)	5 cr.
Human Physiology (with lab)	5 cr.
Microbiology	3 cr.
Psychology	3 cr.
Statistics	3 cr.
<i>Office Management</i>	
General Office Management	2 cr.
Typing (or proficiency)	2-3 cr.
Office Equipment and Supplies	3 cr.
Office Systems and Control	3 cr.
Employee Training	3 cr.
Organizational Behavior and Leadership	
or Employment Problems and the Law	3 cr.
Business Communications	3 cr.

Electives

The following suggestions for electives are made to aid the student in the courses and in the preprofessional work of medical record administration: finite mathematics (students should check with program adviser to determine need for course), business machines, abnormal psychology, mental hygiene, forensic studies, research methods.

Professional Program

Medical Record Science I A HL M411	5 cr.
Directed Practice Experience I A HL M441	4 cr.
Medical Terminology A HL M330	3 cr.
Clinical Lectures I A HL W374	3 cr.
Hospital Organization and Management A HL M322	2 cr.
Medicine and the Law A HL M445	2 cr.
Clinical Lectures III A HL W472	2 cr.
Pathology C477	2 cr.
Medical Record Science II A HL M412	5 cr.
Directed Practice Experience II A HL M442	6 cr.

MEDICAL TECHNOLOGY

Professors Biggs, Nordschow (Director), Smith, Summers; Associate Professors Griep, Moorehead; Assistant Professors Bonderman, Eitzen, Feeley (Coordinator), French, Gartner, Glick, Hick, Hocker, Jung, Lehman, Oei, Proksch, Young

Medical technology is a growing profession associated with the latest advances in clinical laboratory medicine. The medical technologists perform laboratory tests that reveal the presence of abnormalities of the blood or body tissues by using chemical analyzers, electronic cell counters, and other types of sophisticated laboratory equipment. The first three years of the medical technology curriculum are designed to provide a broadly based background in chemistry and the biological sciences, as well as opportunity to elect courses from the humanities. The fourth calendar year is spent in a combined didactic and laboratory experience. Applications for the fourth year program at the Medical Center or at any of the affiliated hospital programs must be made during the fall semester of the junior year and are subject to review by the admissions committee of the respective institutions.

In addition to the Allied Health Core Curriculum students must complete the prerequisite courses listed below to be considered eligible for admission to the Medical Technology Program. Students eligible for admission must have completed a total of 90 semester hours including the Allied Health Core Curriculum (page 22), specific program prerequisites, and electives.

Medical technology students must satisfy the Allied Health Core Curriculum chemistry requirement by taking Principles of Chemistry (equivalent to I.U. Chemistry C105).

Prerequisites

Quantitative Chemistry (with lab)	4-4 cr.
Organic Chemistry I (with lab)	5 cr.
Organic II Lecture or Chemistry Elective	3 cr.
Physics	3-5 cr.
Basic Mammalian Physiology	5 cr.
Introduction to Microbiology with Laboratory	3-5 cr.
Medical Microbiology or Genetics	3-4 cr.

Electives

The following is a list of suggested elective areas. It is not meant to be all inclusive or mandatory in any way: basic human anatomy, anthropology, developmental anatomy, introduction to computers, introductory clinical chemistry, endocrinology, medical terminology, psychology, virology.

Professional Program

Clinical Chemistry A HL C406	6 cr.
Hematology A HL C407	6 cr.
Blood Banking A HL C408	4 cr.
Serology A HL C409	2 cr.
Clinical Correlation and Theory A HL C413	2 cr.
Bacteriology A HL C411	6 cr.
Parasitology MICR J420	2 cr.
General Externship I A HL C401	2 cr.
General Externship II A HL C402	2 cr.
General Externship III A HL C403	2 cr.

Beginning January 1, 1974, transcripts of the student's course work must be submitted to the Office of the Division of Allied Health Sciences (1100 West Michigan Street, Indianapolis, Indiana 46202), which will verify to the Board of Schools of the American Society of Clinical Pathologists that all basic course requirements have been met. Students will not be admitted to the professional year of the Medical Technology Program without this verification.

Medical Technology Professional Program Affiliates

The Medical Technology Professional Program must be completed at the hospitals affiliated with Indiana University (as listed below). Students may obtain further information from these affiliates:

ANDERSON

St. John's Hickey Memorial Hospital

Dr. D. L. Buckles (Director), Mr. M. Gary Schuster (Educational Coordinator)

BEECH GROVE

St. Francis Hospital

Dr. Robert Costin (Director), Mrs. Bettylyn Hanna (Educational Coordinator)

EVANSVILLE

Deaconess Hospital

Dr. H. O. H. Zunker (Director), Allan Grubb, Ed.D. (Hospital Education Director)

FORT WAYNE

Lutheran Hospital

Dr. Walter Griest (Director), Mrs. Helen Myers (Educational Coordinator)

Parkview Memorial Hospital

Dr. Karl Schlademan (Director), Ms. Stephanie Wilson (Educational Coordinator)

St. Joseph's Hospital

Dr. Louis Schnieder (Director), Mr. Larry Schoeff (Educational Coordinator)

GARY

Gary Methodist Hospital

Dr. Wei Ping Loh (Director), Mrs. Deane McBride (Educational Coordinator)

St. Mary Mercy Hospital

Dr. Earl J. Mason (Director), Miss Rita Blastick (Educational Coordinator)

INDIANAPOLIS

Medical Center and Marion County General Hospital

Dr. Carleton Nordschow (Director), Mrs. Mary Feeley (Educational Coordinator)

Methodist Hospital

Dr. Lester Hoyt (Director), Mrs. Robinetta Driver (Educational Coordinator)

St. Vincent Hospital

Dr. Lee N. Foster (Director), Miss Jane Westerman (Educational Coordinator)

KOKOMO

Howard Community Hospital and St. Joseph Memorial Hospital

Dr. Jones, Dr. Harshman, and Mr. Max Rudicel (Co-Directors), Mrs. Constance Wall (Educational Coordinator)

SOUTH BEND

South Bend Medical Foundation

Dr. Jene Bennett (Director), Miss Bernadine Hagan (Educational Coordinator)

OCCUPATIONAL THERAPY

Associate Professors Nathan (Director), Simek; Assistant Professors Bradley, Elliott, Farber, Hamant, Weeks, Wright; Instructors Barrett, McConnell; Lecturers Bowman, Embach, Fess, Griswold, Grummon, Kiel, Linzie, Nail, O'Haver, Slominski, Swan, Wissing, Yoder

"Occupational therapy is the art and science of directing man's response to selected activity to promote and maintain health, to prevent disability, to evaluate behavior and to treat or train patients with physical or psychological dysfunction."

Occupational therapy is a health profession which contributes to the physical and emotional independence and well-being of an individual through the use of selected activity. The occupational therapist evaluates each individual to determine the current level of functioning. As a member of the treatment team, he works in collaboration with the physician, with physical and speech therapists, nurses, psychologists, social workers, vocational counselors, and other specialists to plan a therapeutic activity program.

Occupational therapists work in general and special hospitals, psychiatric clinics, rehabilitation centers, military hospitals, community health centers, nursing homes, special schools, home care programs, and sheltered workshops and as faculty in colleges and universities. The therapist works with people who have individual problems, that is, children and adults with physical, emotional, social, and educational deficits who need specialized evaluation and possible treatment for stimulating mind and muscle to function at the fullest capacity. Occupational therapy may be indicated for neurological impairment, emotional illness, physical injuries, perceptual deficits, birth defects, mental retardation, heart disease, and problems of aging.

Graduates of the degree program are eligible for the examination leading to admission to the Registry of Occupational Therapists maintained by the American Occupational Therapy Association. This examination is held throughout the country in January and June of each year. Admission to the Registry is the certification of a therapist to practice.

The curriculum in the Occupational Therapy program is approved and accredited by the American Occupational Therapy Association and the American Medical Association.

In addition to the Allied Health Core Curriculum, students must complete the prerequisite courses listed below in order to be considered eligible for admission to the Occupational Therapy Program. Students eligible for admission must have completed a total of 60 semester hours including the Allied Health Core Curriculum (page 22), specific program prerequisites, and electives.

Prerequisites

Psychology Elective	3 cr.
Abnormal Psychology	3 cr.
Sociology Elective	3 cr.

Electives

The following is a list of suggested elective areas. It is not meant to be all inclusive or mandatory in any way: developmental anatomy, anthropology, business, community health, creative arts, ethics, government, group dynamics, introduction to occupational therapy, medical terminology, philosophy, psychology, sociology, special education, typing.

Professional Program

Third Year (Medical Center)

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Anatomy D323	5	Physiology F305	5
Applied Neuroanatomy A HL W324	3	Kinesiology A HL W376	3
Human Behavior A HL T323	2	Occupational Therapy Theory and	
Therapeutic Techniques I, A HL T351	5	Practice I, A HL T360	6
Human Growth and Development		Pathology C477	2
A HL T382	2	Therapeutic Techniques II, A HL T352	2
Practicum A HL T324	1		
	18		18

Fourth Year (Medical Center)

Occupational Therapy Theory and Practice II, A HL T460	6	Affiliation I, A HL T495	5
Clinical Lectures I, A HL W374	3	(3-month internship)	
Clinical Lectures II, A HL W471	3	Affiliation II, A HL T496	5
Current Professional and Administrative Concepts A HL T301	3	(3-month internship)	
Application of Clinical Psychiatry in Occupational Therapy A HL T400	2		10
	17		

OCCUPATIONAL THERAPY TECHNOLOGY

Graduates of approved high schools are eligible for admission to this two-year course in health service. The occupational therapy assistant is a technically qualified person to aid in the treatment programs of persons under the supervision of a registered occupational therapist. The assistant accepts clinic responsibilities in hospitals, nursing homes, day-care centers, rehabilitation centers, or those organizations directed to maintain health and socialization of its members.

Upon completion of the program a student receives the degree Associate of Science in Occupational Therapy Technology from the Division of General and Technical Studies of Indiana University and is eligible to become a Certified Occupational Therapy Assistant in the American Occupational Therapy Association.

Application for this training program should be filed with the Occupational Therapy Program, Division of Allied Health Sciences, Indiana University - Purdue University at Indianapolis, Medical Center, Indianapolis, Indiana. Classes begin each August with a limited number of students.

Inquiries relating to this program should be addressed to Mrs. Frank Simek, Associate Degree Program, Coordinator, Occupational Therapy, Indiana University - Purdue University at Indianapolis, Medical Center, 1232 West Michigan Street, Indianapolis, Indiana 46202.

First Year

<i>First Semester</i>	Credits	<i>Second Semester</i>	Credits
Sociology S161	3	Sociology S232 or S163	3
Psychology B104	3	Psychology B105	3
Medical Terminology TAHS T100	1	English W117	3
Anatomy and Physiology TAP A100	3	Speech C110	3
Human Behavior A HL T323	2	Introduction to O.T. Theory TOT T100	2
Practicum A HL T324	1	Introduction to O.T. Techniques II, TOT T102	3
Introduction to O.T. Techniques I, TOT T101	3		
Seminar	16		17

Second Year

Psychopathology N303	2	Clinic Management TOT T W101	2
Clinical Physical Conditions TOT T C101 ..	4	Clinical Psycho-Social Conditions TOT T C102	4
Clinical Observation TOT T P200	2	Recreation Leadership HPER R180	2
Occupational Therapy Techniques I TOT T T201	5	Occupational Therapy Techniques II TOT T T202	5
Human Growth and Development A HL T382	2	Electives	4
	15		17
Practicum in Occupational Therapy TOT T P201	2		
Practicum in Occupational Therapy TOT T P202	2		

PHYSICAL THERAPY

Professors Ekstam (Director), Conine; Associate Professor Mitchell; Assistant Professors Ladue, Magee, Morrow, Young; Instructors Duffer, Schaefer; Lecturers Hoyer-mann, Plummer, Waterman

A physical therapist administers treatment upon referral by a physician; participates in administrative, teaching, and research activities; and provides consultative service. Physical therapy service is utilized in hospitals, outpatient treatment facilities, industrial clinics, governmental and voluntary health agencies, public school systems, and nursing homes.

The legal practice of physical therapy in Indiana is regulated by the Indiana State Board of Medical Registration and Examination. Success in the state examination entitles the candidate to a physical therapist license, enabling him to practice in Indiana or in those states endorsing the Indiana license.

The number of admissions each year is necessarily limited, and completion of pre-requisites does not ensure any student acceptance into the program. A student should contact a faculty adviser in the Physical Therapy Program if he has any questions about prerequisite courses. It is also important to show evidence of some exposure to physical therapy or knowledge of the profession when applying for admission.

Clinical education occurs throughout the professional course of study in facilities located in Indiana and other states. The student is responsible for providing transportation to affiliating centers.

The curriculum in the Physical Therapy Program is accredited by the American Medical Association in collaboration with the American Physical Therapy Association.

In addition to the Allied Health Core Curriculum on page 22, credit for a minimum of 62 hours of work exclusive of physical education, military science, and human anatomy and physiology, with a cumulative average of C+ or better on all attempted hours is required.

Prerequisites

Sociology	3 cr.
Psychology including course in psychology of childhood	6 cr.
Zoology (Comparative Anatomy)	4-5 cr.
Chemistry	4-5 cr.
Physics	3-5 cr.

Electives

Elective courses may be taken in any area but may not include human anatomy, human physiology, and kinesiology.

Introduction to Physical Therapy A HL P204 and any course comparable to Classics C209 Greek and Latin Elements in Medical Terminology are strongly recommended if offered.

Professional Program

The following courses are open only to students enrolled in the Physical Therapy Program.

Third Year (Medical Center)

Anatomy D323	5 cr.
Applied Neuroanatomy A HL W324	3 cr.
Therapeutic Exercise A HL P384	4 cr.
Physical Agents A HL P461	4 cr.
Motor Development and Learning A HL P300	1 cr.
Kinesiology A HL W376	3 cr.
Physiology F305	5 cr.
Rehabilitation Procedures A HL P481	2 cr.
Physical Tests and Measurements A HL P382	3 cr.
Pathology C477	2 cr.
Social-Psychological Aspects of Health A HL W312	2 cr.

Summer Session
(8 weeks)

Clinical Education I, A HL P491	2 cr.
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Fourth Year

Clinical Lectures I, A HL W374	3 cr.
Clinical Lectures II, A HL W471	3 cr.
Applied Neurophysiology A HL P483	4 cr.
Psychopathology N303	2 cr.
Applied Physical Therapy A HL P485	2 cr.
Electives	3 cr.
Clinical Education II A HL P492	8 cr.

DENTAL HYGIENE PROGRAMS

Indiana University School of Dentistry offers *four* dental hygiene programs in the state of Indiana:

Indiana University - Purdue University at Indianapolis
Indiana University at Fort Wayne
Indiana University at South Bend
Indiana State University at Evansville

Admissions Policy. You may apply for admission to any one of the four dental hygiene programs. However, you *cannot* apply to more than one program at the same time according to the School of Dentistry's policy.

Freshman Year of College. A year of prescribed college courses is required before admission to the Dental Hygiene Program. You should write to the office of the dental hygiene program of your choice and request assistance in planning your freshman year. This will assure you that your courses will be comparable to those offered by Indiana University. Your credits will transfer for the courses in which you have earned a "C" (A=4) or better. Transfer students should earn at least a 2.5 grade-point average.

A completed application for admission to the Dental Hygiene Program *does not* indicate that you have been accepted. Formal acceptance letters are mailed from the Dental Hygiene Office, after the Dental Hygiene Admissions Committee has selected the class.

Mrs. Suzanne S. Boundy, Director
Dental Hygiene Program, School of Dentistry
Indiana University - Purdue University at Indianapolis
1121 West Michigan Street
Indianapolis, Indiana 46202

Mrs. Gloria Huxoll, Supervisor
Dental Hygiene Program
Indiana University at Fort Wayne
2101 Coliseum Boulevard East
Fort Wayne, Indiana 46805

Mrs. Jacqueline Heine, Supervisor
Dental Hygiene Program
Indiana University at South Bend
1825 Northside Boulevard
South Bend, Indiana 46615

Mrs. Florence McCloskey, Supervisor
Dental Hygiene Program
Indiana State University at Evansville
Evansville, Indiana 47712

PUBLIC HEALTH DENTAL HYGIENE

(Department of Preventive Medicine)

Professors McDonald, Hopper, Vaught; Associate Professor Gish; Assistant Professor Emeritus Fisk; Assistant Professor Boundy (Director, Dental Hygiene Program), Totten; Instructors Brittain, Dahl, DeFrantz, Hefner, Scott, Weaver; Lecturers Jones, McLelland

The dental hygienist is a member of the health team concerned with the prevention of diseases of the mouth. A professional college program prepares the graduate, upon successful passage of a state board examination, to work with members of the dental health team to provide optimum dental care for the public.

Indiana University offers one program leading to an Associate in Science degree and another program leading to a Bachelor of Science degree. While the associate degree is adequate to prepare the dental hygienist to perform the tasks assigned in a private dental office, the baccalaureate degree provides the necessary background for additional responsibilities and professional opportunities. The baccalaureate program is offered to dental hygienists by the Division of Allied Health Sciences of the School of Medicine.

The freshman year may be taken at any accredited college or university, but courses must be comparable to those offered by Indiana University in order to transfer for credit. Applicants should contact the Director of Dental Hygiene, Indiana University School of Dentistry, for a list of courses, before enrolling in the freshman year. The second and third years must be taken in the School of Dentistry, Indiana University - Purdue University at Indianapolis, or another accredited dental hygiene program. The fourth or senior year must be taken in the Division of Allied Health Sciences of the School of Medicine in Indianapolis.

Since each year more qualified applicants apply than can be accepted, only those who show an aptitude for and an interest in a professional career and the ability to pursue academic work at a college level are admitted.

Fourth Year
(Medical Center)

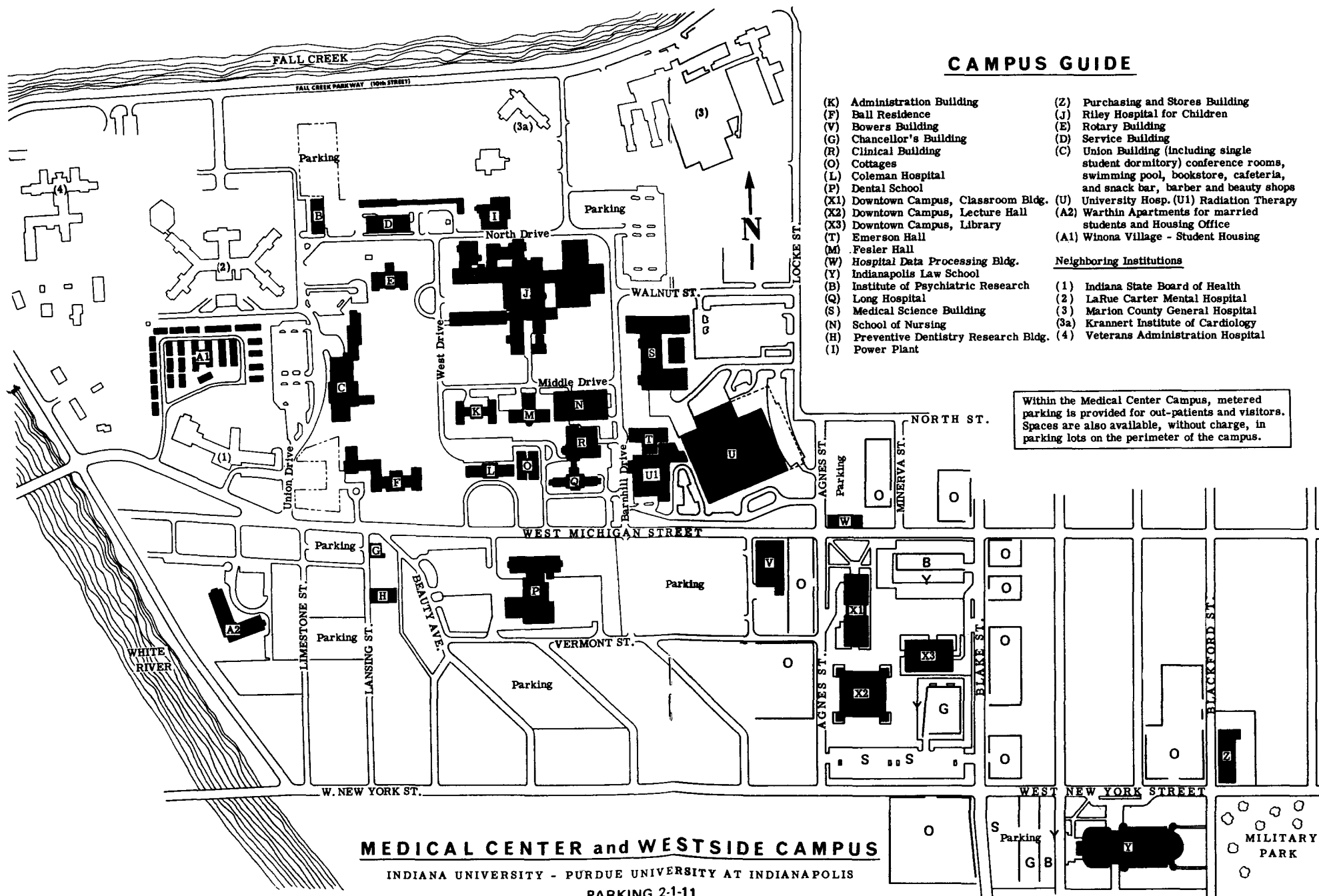
<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Statistics A HL H304	2	Public Health Practice D HYG G999	3
Community Health Education A HL E442	3	Public Health Field Practice A HL D465 ..	3
Speech S223	3	Community Dental Hygiene A HL D405	5
Clinical Supervision A HL D401	2	School Health Education A HL E440	3
Psychology P324	3	Electives	3
Speech Pathology A HL D403	2		
	15		17

PUBLIC HEALTH EDUCATION

Professor Hopper (Director); Associate Professor Adams; Assistant Professor Doty; Instructors Brittain, Yoho; Lecturers Jones, McLelland

The health educator's major aim is to help people understand their health needs and how to met these needs as individuals and as members of a group, family, community, or nation. The health educator helps people to think critically and to make intelligent choices in their health behavior. He must be well grounded in the biological and social sciences, since he will be explaining and interpreting the latest developments in the health sciences and will be motivating people to use them.

In recent years there has been an expansion of health education activities in schools, in public health departments, in voluntary health agencies, and in industrial and commercial companies. The emphasis upon health education is expected to continue, and the number of personnel needed will increase.



CAMPUS GUIDE

- | | |
|---|---|
| (K) Administration Building | (Z) Purchasing and Stores Building |
| (F) Ball Residence | (J) Riley Hospital for Children |
| (V) Bowers Building | (E) Rotary Building |
| (G) Chancellor's Building | (D) Service Building |
| (R) Clinical Building | (C) Union Building (including single student dormitory) conference rooms, swimming pool, bookstore, cafeteria, and snack bar, barber and beauty shops |
| (O) Cottages | (U) University Hosp. (U1) Radiation Therapy |
| (L) Coleman Hospital | (A2) Warthin Apartments for married students and Housing Office |
| (P) Dental School | (A1) Winona Village - Student Housing |
| (X1) Downtown Campus, Classroom Bldg. | |
| (X2) Downtown Campus, Lecture Hall | |
| (X3) Downtown Campus, Library | |
| (T) Emerson Hall | |
| (M) Fessler Hall | |
| (W) Hospital Data Processing Bldg. | |
| (Y) Indianapolis Law School | |
| (B) Institute of Psychiatric Research | |
| (Q) Long Hospital | |
| (S) Medical Science Building | |
| (N) School of Nursing | |
| (H) Preventive Dentistry Research Bldg. | |
| (I) Power Plant | |

Neighboring Institutions

- | |
|---------------------------------------|
| (1) Indiana State Board of Health |
| (2) LaRue Carter Mental Hospital |
| (3) Marion County General Hospital |
| (3a) Krannert Institute of Cardiology |
| (4) Veterans Administration Hospital |

Within the Medical Center Campus, metered parking is provided for out-patients and visitors. Spaces are also available, without charge, in parking lots on the perimeter of the campus.

MEDICAL CENTER and WESTSIDE CAMPUS

INDIANA UNIVERSITY - PURDUE UNIVERSITY AT INDIANAPOLIS

PARKING 2-1-11

Y-VISITOR PAY, O-OPEN, S-STUDENT, STAFF, FACULTY PAY, G-STAFF PAY, B-FACULTY PAY

There are opportunities to become a health education consultant or specialist in state, county, or city departments of health, in the U.S. Department of Health, Education, and Welfare, or in some professional organizations having interests in this field.

Voluntary health organizations at the local, state, and national levels, such as tuberculosis, cancer, polio, heart, and crippled children's societies, need trained health educators in their programs.

Actual field practice is a requirement for completion of the program. Ten semester hours of credit are required in the latter part of the second semester of the senior year and consist of supervised on-the-job practical experience with state and local departments of public health.

In addition to the Allied Health Core Curriculum students must complete the prerequisite courses listed below to be considered eligible for admission to the Public Health Education Program. Students eligible for admission must have completed a total of 90 semester hours including the Allied Health Core Curriculum (page 22), specific program prerequisites, and electives.

Because several prerequisite courses are not currently offered at some campuses students must seek specialized program planning and waivers from the Director of the Public Health Education Program (Allied Health Building 123, 1100 West Michigan Street, Indianapolis, Indiana 46202). These specialized programs may be considered for meeting prerequisites *only* if they have been approved by the Director of the Public Health Education Program.

Prerequisites

Prerequisite courses listed below are in addition to the Allied Health Core Curriculum.

Anthropology A303-A304	6 cr.
Introductory Psychology II P102	3 cr.
Psychology of Motivation P327	3 cr.
Current Social Issues and Public Policy S260	3 cr.
The Community S309	3 cr.
Business and Professional Speaking S223	3 cr.
Introduction to Mass Communication C200	3 cr.
Business Communications C204	3 cr.
Foundations of Broadcasting R204	3 cr.
The Broadcast Program R206	3 cr.
Human Nutrition H231	2 cr.
Introduction to American Politics Y103	3 cr.
Urban Politics Y308	3 cr.
Microbiology M250 and M255	5 cr.
Basic Mammalian Physiology P215	5 cr.
Preparation of Inexpensive Instructional Materials R543	2 cr.

Electives

Suggested electives (10-12 cr.): any credited course approved by the program counselor. The recommended courses which follow are not inclusive or mandatory, but are listed merely as suggestions.

Population S305	3 cr.
Indiana State Politics Y307	3 cr.
Statistics K300	3 cr.
History	3 cr.

Professional Program (Senior)

Upon completion of the preprofessional courses (90 hours), the student will continue his studies at the School of Medicine, Indianapolis, if he is accepted into the program. Admission standards are those stated for Allied Health Science.

Public Health Organization and Administration A HL H301	3 cr.
Statistics A HL H304	2 cr.
The Ecology of the Urban Environment A HL S321	3 cr.
Epidemiology and Occupational Health A HL S408	2 cr.

Speech Pathology A HL D403	2 cr.
Community Health Education A HL E442	3 cr.
Public Health Education Methods A HL E443	3 cr.
School Health Education A HL E440	3 cr.
Public Health Field Practice A HL E465	10 cr.

PUBLIC HEALTH-ENVIRONMENTAL HEALTH

Professor Hopper; Associate Professors Adams (Director), Brown; Assistant Professor Doty; Instructor Brittain; Lecturers Fisher, Dorsey

Environmental health is an interdisciplinary science relying heavily on the application of principles derived from the biological and physical sciences. In practice it has a threefold purpose: (1) the control of man's physical surroundings so that hazards arising from faulty or inadequate environmental conditions do not place man's health and well-being in jeopardy; (2) the correction of unhealthful conditions as they pertain to water supplies, waste water treatment, air and water pollution, disposal of solid wastes, food safety, occupational hazards, housing and shelter, and the control of disease vectors. Hand in hand with these activities are the preservation and restoration of natural resources and the enhancement of surroundings which improve the quality of living; (3) the promotion of health and well-being through the dissemination of knowledge among the general public and through the enforcement of laws, regulations, and standards pertinent to those factors which control pollution and minimize or eliminate insanitary conditions.

Within the last decade there has arisen real concern within many segments of our society for more meaningful action to curtail the several kinds of pollution which have health, economic, and ecological implications. We face serious consequences in the years ahead unless the environment is given a high priority with well-executed steps taken to protect it.

The student who enters this major will be graduated as an environmental health scientist and will receive a Bachelor of Science degree from the School of Medicine. Upon graduation he becomes eligible under Indiana law to be registered as a professional in this speciality. Further, he becomes eligible for employment with federal, state, and local agencies whose work involves health promotion and environmental control. Additionally, employment is available in industry and commerce. Graduate training for advanced degrees is available at some sixteen graduate schools of public health. In-service training in several speciality areas is offered by a number of state and federal agencies. Employment opportunities are good.

In addition to the Allied Health Core Curriculum students must complete the prerequisite courses listed below to be considered eligible for admission to the Environmental Health Program. Students eligible for admission must have completed a total of 60 semester hours including the Allied Health Core Curriculum (page 22), specific program prerequisites, and electives.

Prerequisites

Prerequisite courses listed below are in addition to the Allied Health Core Curriculum.

1. One 3-credit-hour course from the following:
Business Communications (200-level)
Business and Professional Speaking (200-level)
Technical Report Writing (200-level)
Business Writing for Technicians (200-level)
2. Introduction to American Politics (3 cr.)
3. One 3-credit-hour course from the following:
Society and the Individual (200-level) (3 cr.)
Current Social Issues and Public Policy (200-level) (3 cr.)
Principles of Mental Health (3 cr.)
Contemporary Political Problems (3 cr.)
Introduction to Human Geography (3 cr.)

4. Basic Mammalian Physiology (5 cr.)
5. Introduction to Microbiology (with lab) (5 cr.)
6. Chemistry (with lab) (5 cr.) continuation of chemistry sequence started in Allied Health Core Curriculum
7. Introduction to Computer Programming (3 cr.)
8. Introduction to Statistics (3 cr.)
9. Physics (6 cr.)

Electives

Suggested electives: any credited course approved by the program counselor. The recommended courses which follow are not inclusive or mandatory, but are listed merely as suggestions. (3-6 credit hours depending upon mathematics course)

Introduction to Scientific Reasoning (3 cr.)
 Physical Systems of the Environment (3 cr.)
 Earth Science: Materials and Processes (3 cr.)

Professional Program (Junior and Senior)

Upon completion of the preprofessional courses (approximately 60-65 hours), the student will continue his studies in the School of Medicine, Indianapolis, if he is accepted into the program. Admission standards are those stated for Allied Health Science.

1. Environmental Health Professional Courses: (53 credit hours)
 Environmental Issues A HL H321 (3 cr.)
 Community Health Organization and Administration A HL H401 (3 cr.)
 Environmental Health Functions A HL H421 (3 cr.)
 Epidemiology A HL H422 (3 cr.)
 Parasitology and Entomology A HL H423 (3 cr.)
 Food Technology and Control A HL H428 (3 cr.)
 Water Supply and Wastewater Treatment I A HL H432 (4 cr.)
 Health Education Methods A HL E443 (3 cr.)
 Radiological Health A HL H445 (3 cr.)
 Industrial Hygiene A HL H450 (3 cr.)
 Air Pollution and Control A HL H451 (3 cr.)
 Solid Waste Management A HL H452 (2 cr.)
 Environmental Health Instrumentation I A HL H460 (3 cr.)
 Environmental Health Instrumentation II A HL H461 (3 cr.)
 Environmental Health Practicum I A HL H465 (3 cr.)
 Environmental Health Practicum II A HL H466 (3 cr.)
 Environmental Health Practicum III A HL H467 (3 cr.)
 Environmental Health Seminar A HL H470 (2 cr.)
2. Social and Behavioral Sciences (9 cr.)
 Sociology (3 cr.)
 Urban Sociology S334 (3 cr.) or The Community S309 (3 cr.)
 Political Sciences (6 cr.)
 Urban Politics Y308 (3 cr.)
 State Politics Y306 (3 cr.)
3. Engineering Sciences (1 cr.)
 Applied Engineering Computations MET100 (1 cr.)
4. Professional Elective (3 cr.)

PUBLIC HEALTH ADMINISTRATION

(Department of Preventive Medicine)

Professor Hopper (Director); Associate Professors Adams, Ridley; Assistant Professors Offutt, Smith, Spolyar; Instructor Yoho; Lecturers Bland, Darrell, Fisher, Hall; Staff from Indiana University School of Business; Advisory Council from Governmental and Voluntary Health, Hospital, Insurance, and Management Agencies

There is a challenging future for business-oriented personnel in medical administrative procedures. The concern for health, in its varied aspects, has expanded so rapidly that major policy issues involving budgets, insurance, law, and general management require trained people to assist the physician in these areas. Health departments at state, county, and city levels offer opportunities for administrative practice in the development of standards and in professional staff training and evaluation. In addition, voluntary health agencies have awakened the public to the tremendous demands for knowledge and action in health matters and offer attractive positions to those trained in management skills. Other fields include health and hospital insurance plans, county medical societies, nursing homes, and hospitals. Health is personal as well as public;

it is dynamic and ranks high on the list of what might be called big business. For students who like to work with others, who want variety and challenge in their work, and who can make decisions, health administration is a field with a wide horizon and a bright future.

The Division of Allied Health Sciences in cooperation with the School of Business offers a course of study leading to the degree Bachelor of Science in Public Health with a major in health administration. Candidates for this degree must complete three years of preprofessional business courses on the Bloomington campus as outlined in the Basic Business and Economics Core of the School of Business including the Comprehensive Examination. The fourth year is spent at the Medical Center campus. The undergraduate Public Health Administration program will not be offered in 1972-73.

RADIOLOGIC TECHNOLOGY

Professors Helmen (Director), Klatte (Chairman), Miller, Wellman, Yune; Associate Professors Brahme, Hornback; Assistant Professors Anger, Cockerill, Cronin, Dizon, Franken, Leininger, Shidnia, Shupe, VonSchuching; Instructors Berg, Chaille (Educational Director), Kavula, Kehrein; Teaching Associates Culbertson, Dreesen, Hoover, McClanahan

Graduates of approved high schools and college students who are interested in a career in an allied health sciences field are eligible to apply for training in radiologic technology.

Radiology is a science involving the medical use of X-rays, radium, and radioactive isotopes in the diagnosis and treatment of disease. A radiologist is a physician specializing in this science, and a radiologic technologist is the technical assistant to the radiologist.

The curriculum follows a pattern designed to train the technologist to become adept in the performance of any technical-medical radiologic procedure. Courses in radiological principles, technological procedures, clinical application of theory, and general education are included in the curriculum.

Upon successful completion of the program, a student receives the degree Associate of Science in Radiologic Technology from the Division of General and Technical Studies of Indiana University and is eligible to take the Registry examination of the American Registry of Radiologic Technologists to become certified as a Registered Radiologic Technologist (R.T.). Employment opportunities are excellent.

Applications for this program should be requested from Mr. Monte Chaille, Educational Director, Radiologic Technology Program, IUPUI Medical Center, 1100 West Michigan Street, Indianapolis, Indiana 46202, before January 1. New courses begin each August. Students are selected on the basis of their previous educational qualifications and a personal interview.

First Year

<i>First Semester</i>	<i>Credits</i>	<i>Second Semester</i>	<i>Credits</i>
Radiographic Positioning I	3	Clinical Experience I	5
Anatomy and Physiology	3	Principles II	3
Medical Terminology	1	Radiographic Positioning II	3
Radiographic Orientation	2	English Composition	3
Principles I	3		
Physics	2		14
Speech	3		
	<hr/> 17		

Summer Session

Clinical Experience II	5 cr.
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Second Year

Clinical Experience III	5	Clinical Experience IV	5
Radiation Therapy and N.M.	2	Pathology	2
Principles III	3	Sociology	3
Psychology	3	Elective	3
	<u>13</u>		<u>13</u>

Summer Session

Comprehensive Experience	4 cr.
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Associate Degree Program for Radiologic Technology

Associate Degree Programs in Radiologic Technology are offered at the following campuses of Indiana University. Interested persons may obtain further information from directors listed for each program.

FORT WAYNE

Lutheran Hospital: Dr. Richard Fox
 Parkview Hospital: Dr. Robert Dormire
 St. Joseph's Hospital: Dr. Melvin J. Powell

KOKOMO

St. Joseph Memorial Hospital: Dr. Miles Sekulich

NORTHWEST

Methodist Hospital (Gary): Dr. K. G. Ambrozaites
 Our Lady of Mercy Hospital (Dyer): Dr. A. J. Lipsey
 St. Catherine's Hospital (East Chicago): Dr. Daniel Zeiv
 St. Margaret's Hospital (Hammond): Dr. Carl Rosenthal
 St. Anthony's Hospital (Michigan City): Dr. George Backer

SOUTH BEND

South Bend Memorial Hospital: Dr. Wallace Tirman

Bachelor's Degree Program for Radiologic Technology

The objective of the degree program is to provide competent instructors in radiologic technology and highly trained technical personnel to perform many functions currently the sole responsibility of the radiologist. The student must complete the Radiologic Technology Core with a grade-point average of 3.0 or better to be eligible for selection for the bachelor's degree program. The American Registry of Radiologic Technologist examinations must be satisfactorily completed before the B.S. degree may be granted. Further information may be obtained from the Director of the Radiologic Technology Program, IUPUI Medical Center, 1100 West Michigan Street, Indianapolis, Indiana 46202.

All students must complete the Allied Health Core Curriculum (page 22), for graduation, as well as the following Radiologic Technology Core.

BASIC REQUIREMENTS

Mathematics	5-5 cr.
Chemistry	5-10 cr.
Biological Science	5 cr.
Introduction Education	3 cr.
Electives	8 cr.

MAJOR REQUIREMENTS—DIAGNOSTIC ROENTGENOLOGY

Radiographic Correlation I	cr. arr.
Radiographic Correlation II	cr. arr.

MAJOR REQUIREMENTS—NUCLEAR MEDICINE

Basic Mathematics and Nuclear Physics	5 cr.
Nuclear Medicine Instrumentation	5 cr.
Clinical Nuclear Medicine Practicum	5 cr.
Radionuclide Measurements	5 cr.
Radiopharmaceuticals, Radiation Biology, and Radiation Protection	3 cr.
Clinical Nuclear Medicine Practicum	5 cr.
Clinical Application of Radionuclides	2 cr.

RESPIRATORY THERAPY

Associate Professor LoSasso (Director); Assistant Professor Koss (Co-Director); Instructor Vincent

Guest Lecturers: Beechy, Boncek, Cuculic, Curtiss, Dunn, Franklin, Garrett, Goodrich, Green, Gresham, Hunter, Lippard, McCoy, Manfredi, Miller, Stoelting, Stonehill, Wilcox, Winters

Respiratory therapy employs a variety of techniques and procedures in assisting patients to return to their normal heart-lung physiology.

The graduate of this program is qualified to administer all phases of respiratory therapy, including oxygen, mixed gases, and aerosol therapy; positive-pressure breathing treatments; continuous short-term and long-term ventilation therapy; cardio-pulmonary resuscitation; and pulmonary rehabilitation.

Students are also instructed in blood gas analysis, monitoring of lung volumes, pulmonary function studies, and chest physiotherapy.

Technical knowledge of equipment and procedures, along with a basic understanding of the sciences and disease processes, affords the respiratory therapist the opportunity to function as an integral part of the health-care team and to meet the needs of individual patients. Additional instruction is provided in the area of departmental organization, administration, and ethics.

The program is approved by the Joint Review Committee for Respiratory Therapy Education, Council on Medical Education of the American Medical Association.

Graduates of this program are eligible to take the examination given by the American Registry of Inhalation Therapists and upon passing become Registered Inhalation Therapists (A.R.I.T.).

The Respiratory Therapy Program curriculum is currently being revised. Therefore the class selected to begin the professional program in the summer of 1973 will be the last class under the current curriculum. The next class to be admitted will take both years of training at the Medical Center and will not begin the first year until August, 1974. The first year will be revised to include respiratory therapy courses and some current prerequisite courses will be deleted. Contact Mr. Joe Koss at the Medical Center for additional details.

Prerequisites

Elementary Composition	2-3 cr.
Physics	5 cr.
Human Anatomy	5 cr.
Psychology	3 cr.
Public Speaking	3 cr.
Chemistry (with lab)	5 cr.
Mammalian Physiology	5 cr.
Sociology	3 cr.

Professional Program

Respiratory Therapy I, A HL F201	6 cr.
Microbiology B218	5 cr.
Clinical Lectures I, A HL W374	3 cr.
Respiratory Therapy II, A HL F202	2 cr.
Respiratory Therapy Clinical Education II, A HL F212	2 cr.
Respiratory Therapy Clinical Education I, A HL F211	2 cr.
Pharmacology Nursing B216	3 cr.
Pathology C477	2 cr.
Respiratory Therapy III, A HL F203	2 cr.
Respiratory Therapy III, Clinical Education A HL F213	2 cr.

MASTER'S PROGRAM IN ALLIED HEALTH SCIENCES EDUCATION

Professors Conine (Chairman), Helmen, Nordschow, Wilson; Associate Professors Mitchell, Nathan; Assistant Professors Boundy, Feeley, Lacy

This program has been established in response to an increasing demand for qualified educators in allied health fields. Its primary aim is to prepare allied health specialists for teaching in academic, clinical, or laboratory setting. The curriculum is administered jointly by the Division of Allied Health Sciences and the Division of Education and leads to the degree of Master of Science in Education. It is open to students who have earned at least a baccalaureate degree from a nationally accredited institution and are Board certified or are otherwise qualified in one of the professions related to health. The principal career opportunities for the graduates are in colleges and universities, vocational colleges and schools, clinical teaching centers, and programs sponsoring continuing and in-service education in the allied health fields.

The curriculum is focused on independent activity, opportunities for individualized experiences, and in-depth exploration by the student in his field of interest under qualified guidance. It is assumed that his function as an educator following graduation will not be limited to teaching in the classroom, clinic, or laboratory. The graduate will be and should be expected to take part in shaping educational philosophy and in assuming responsibility within the community, his profession, and his employing institution. Therefore, the program provides formal and informal experiences for the student in both out-of-classroom and in-classroom functions of a teacher, as well as advanced education in the content area of his allied health specialty.

More specifically, the curriculum is designed so that the student achieves the following objectives:

1. Understands the purposes, functions, and structure of professional education within the context of American higher education.
2. Develops ability to assume the faculty role within an educational setting with the responsibilities of teaching, consultation, service, and research.
3. Comprehends and values a sound rationale for curricular planning, implementation, and evaluation.
4. Promotes and insures effective teaching-learning process on both group and individual basis.
5. Develops skill in establishing positive interpersonal relationships with students and faculty.
6. Strengthens his professional competency.

Specialization Areas. The Master of Science Program is represented by the following specialization areas providing both education and service at the Indiana University Medical Center complex.

Cytotechnology
Dental Hygiene
Dietetics
Medical Records
Medical Technology

Occupational Therapy
Physical Therapy
Radiologic Technology
Respiratory Therapy

Admission Requirements. Applicants must meet the general requirements for unconditional admission to graduate study and the specific requirements outlined below:

1. Satisfactory completion of an approved allied health science program.
2. A grade-point average of B (3.0) or better in the professional courses.

A student lacking one or more of the above requirements may apply for admission. His record will then be evaluated for eligibility for admission on either a conditional or probationary basis.

Conditional Admission. An applicant who has not yet completed a baccalaureate or certificate program in an allied health field or its equivalent, or graduates of foreign programs may be admitted conditionally.

Probationary Admission. An applicant whose grade-point average in his undergraduate allied health courses is less than B (3.0) may submit the Verbal and Quantitative scores from the Graduate Record Examination (G.R.E.). If his G.R.E. scores indicate greater potential than his grades suggest, he may be considered for admission on a probationary basis.

Degree Requirements. A candidate for the Master of Science in Education with a major in Allied Health Sciences Education must hold a baccalaureate degree and an appropriate professional certificate or license in one of the allied health fields. In addition he must: (1) remove all departmental conditions or probation, (2) achieve a cumulative grade-point average of B (3.0) or above in all courses, and (3) complete a minimum of 36 semester hours without a thesis, or 30 semester hours with a thesis as outlined below.

Course Requirements (15 credits or more)

One course selected from the following:

History of Education in Western Civilization H503	3 cr.
Historical Foundations of American Education H504	3 cr.
Education and Social Issues H520	3 cr.
Philosophy of Education H530	3 cr.
Reflective Thinking H538	3 cr.
Psychology in Teaching P510	3 cr.
Introduction to Scientific Inquiry T501	3 cr.
Curriculum and Instruction in AHS T525	3 cr.
Practicum in Teaching T695	3 cr.
Research in Allied Health Science T590	3 cr.
or	
Master's Thesis T599	6 cr.

Electives (12 or more credits)

Sufficient additional graduate courses to provide intensive study in an area related to an allied health field. At least 9 semester hours of graduate credit must be taken in schools and departments other than Education. Suggested areas of concentrated study are administration, basic medical sciences, biochemistry, biomechanics, counseling, cytogenetics, kinesiology, microbiology, psychology, public health, sociology, special education, or toxicology (as appropriate to the specific professional background of the student).

Residence Requirements. The student working toward the M.S. in Education degree will need to take at least 12 semester hours of work on any Indiana University campus. This requirement can be met by one semester of at least 12 semester hours or two summer sessions of at least 6 semester hours each. The 6 semester hours must be taken in a continuous calendar period but may consist of two separate courses taken in sequence with no calendar break between the two.

All work to be applied toward the degree must be completed within a period of six calendar years from the date of admission to the program.

Thesis Option. With approval of the adviser, a student may elect to substitute a thesis for the research study.

Course Descriptions

H503 History of Education in Western Civilization (3 cr.)

Selected developments and problem areas in the history of education in the Western World studied in the light of their relation to other social institutions, forces, and basic movement in Western civilization.

H504 Historical Foundations of American Education (3 cr.)

Major developments of formal education in American society from the colonial period to the present, studied as intellectual resources for understanding contemporary conditions and problems in American education. The relation of these developments to general intellectual, social, and political movements is stressed.

H520 Education and Social Issues (3 cr.)

Identification and analysis of major problems set for education by the pluralistic culture of American society. Focus is on those points where social issues and cultural conflicts manifest themselves in educational arrangements as expressions of public policy.

H530 Philosophy of Education (3 cr.)

A study of representative topics in the philosophy of education.

H538 Reflective Thinking (3 cr.)

Theory of instruction and critical assessment of reflective thinking as in (1) problem solving, and (2) the process of discovery.

T501 Introduction to Scientific Inquiry (3 cr.)

Analysis and interpretation of data, introduction to theory of advanced statistical techniques, and principles of research design appropriate to clinical setting.

T507 Evaluation in Allied Health Sciences Education (3 cr.)

Principles of construction and interpretation of written achievement tests and other evaluative procedures applied to allied health sciences education in academic, laboratory, and clinical settings. Project is required to apply the principles involved.

T525 Curriculum and Instruction in Allied Health Sciences (3 cr.)

Principles of curricular construction. Content, material, and methods of instruction in allied health sciences.

T561 Allied Health Sciences in Community Health (3 cr.)

Introduction to public health and functions of voluntary and official health agencies. Personal and community health needs and trends influencing education, practice, and future developments in allied health fields.

T590 Research in Allied Health Sciences (cr. arr.)

Individual research in an allied health field. The research may be of educational, laboratory, or clinical nature.

T594 Management Procedures in Allied Health Sciences (3 cr.)

Techniques of office management, management of funds, accounting, records and reports, and purchasing applied to allied health services. Principles of effective organization, supervision, and administration.

T599 Master's Thesis (6 cr.)

Individual investigation in the form of an organized scientific contribution or a comprehensive analysis in a specified area related to an allied health field.

T650 Readings in Allied Health Sciences (3 cr.)

Selected readings.

T695 Practicum in Teaching (3 cr.)

Relating educational theory to practice through supervised teaching experience in an allied health setting. Emphasis is placed upon planning, structuring, and evaluating learning experiences.

T780 Seminar in Allied Health Sciences (3 cr.)

Individual and group study focusing upon research relevant to allied health sciences. Critique of research problems and methodology, with correlation and integration of knowledge to develop theoretical bases to guide treatment or education.

Traineeships and Fellowships. In addition to financial aid offered by national societies and local agencies, a limited number of traineeships for full-time students are available through United States government funds. There are also limited funds in the form of teaching fellowships available through the School of Education, Graduate Division.

Living Accommodations. Accommodations for graduate students are available at Indiana University in Bloomington. Limited space is available on the Medical Center campus. The student may choose to make his own housing arrangements in the community.

For full information, contact the University Halls of Residence in Bloomington or Mr. Philip McQuillen at the Medical Center.

Further Inquiries.

Direct inquiries to: Dr. Tali A. Conine, Allied Health Sciences, 1100 West Michigan Street, Indianapolis, Indiana 46202.

Courses Offered, 1973-74

SCHOOL OF MEDICINE COURSES

Courses in the basic departments of the Indiana University School of Medicine: Anatomy, Microbiology, Pathology, Physiology, and Psychiatry. Enrollment is limited to students in the Allied Health Sciences.

Anat D323 Anatomy (5 cr.)

Gross human anatomy for physical and occupational therapy students. Predissected material utilized. Enrollment limited to students in Allied Health Sciences.

Micr J207 Microbiology for Dental Hygienists (4 cr.)

Principles and applications of microbiology for dental hygienists. Enrollment limited to students in Allied Health Sciences.

Micr J420 Parasitology for Medical Technologists (2 cr.)

Required for medical technologists; laboratory procedures and identification of the larger parasites of man. Enrollment limited to students in Allied Health Sciences.

Path C477 Pathology (2 cr.)

Lectures on principles of pathology; study of various diseased body tissues. Enrollment limited to students in Allied Health Sciences.

Phys F305 Human Physiology (5 cr.)

For physical and occupational therapy students. Animal and human physiology; neuromuscular systems, respiration, circulation, digestion, metabolism, excretion, and endocrines. Laboratory work concerned with exercises and demonstrations on neurophysiology and the physiology of muscular activity. Enrollment limited to students in Allied Health Sciences.

Psy N303 Psychopathology (2 cr.)

Emotional stress and the resultant defense mechanisms; organic brain syndromes, schizophrenic reactions, and psychoneurotic disorders. Lecture and case presentations. Enrollment limited to students in Allied Health Sciences.

Psy N306 Clinical Psychopathology (1 cr.)

Clinical aspects of deviant behavior through discussions, films, case studies, and hospital visits. Enrollment limited to students in Allied Health Sciences.

DIVISION OF ALLIED HEALTH SCIENCES COURSES

A HL W312 Social-Psychological Aspects of Health (2 cr.)

Lectures and discussion concerning the social, psychological, and cultural components associated with the problems of health and illness, and their implications for health care.

A HL W324 Applied Neuroanatomy (3 cr.)

P: Anat. D323 and permission of instructor. Emphasis on structure and gross function of nervous system as a basis for clinical neurology.

A HL W374 Clinical Lectures I (3 cr.)

P: A HL C477. Lectures in medicine, surgery, and pediatrics.

A HL W376 Kinesiology (3 cr.)

Analysis and synthesis of human motion.

A HL W471 Clinical Lectures II (3 cr.)

P: A HL D323, A HL W324, A HL C477. Lectures and clinical presentation in orthopedics and neurology.

A HL W472 Clinical Lectures III (2 cr.)

Lectures and clinical presentations in dietetics, geriatrics, obstetrics, gynecology, urology, otolaryngology, dermatology, ophthalmology, public health problems, and other pertinent specialties.

COURSES ARRANGED ALPHABETICALLY BY PROGRAM.

Cytotechnology

A HL W402 General Medical Cytology (3 cr.)

Basic features of cellular morphology, cellular physiology, and cytogenetics, as related to medical cytology; cancer cells presented through lecture, laboratory study demonstrations.

A HL A412 Gynecologic Cytology, Nonmalignant Conditions (3 cr.)

Cell types encountered in normal individuals; cyclic variations; changes in hormonal dysfunction, inflammatory changes.

A HL A422 Gynecologic Cytology, Malignant Conditions (3 cr.)

Study of cancer cells of different types and arising in several sites. Course enables student to recognize sources and type of lesion from appearance of exfoliated cells.

A HL A432 Cytology of Sputum and Bronchial Secretions (3 cr.)

Systematic study of normal, nonmalignant, and malignant cells in lower respiratory system.

A HL A442 Cytology of Body Fluids (2 cr.)

Study of cells in effusions associated with nonmalignant and malignant diseases.

A HL A452 Cytology of Gastric Secretions, Urine, Spinal Fluid, and Other Secretions (2 cr.)

Review of cells, malignant and nonmalignant encountered in these sites.

A HL A462 Technics in Medical Cytology (2 cr.)

Fixation and staining procedures, preparation of smears, and cell blocks from fluids and other exfoliates; use of millipore filter technic and fluorescence microscopy.

A HL A465 Certification Internship (6 cr.)

Includes six months of internship required by the Registry. Students gain further practical experience by working with routine cytology material. Conferences and research papers are used to provide additional experience.

A HL A470 Seminar in Cytology (cr. arr.)

Review of current literature pertaining to diagnostic cytology. Reports and discussions by students and faculty.

Hospital Dietary Technology

THDT F101 Foods I (3 cr.)

Study of principles of food preparation and food service. Experience in the development of high foods standards involving following factors: economy of money, nutritive value, and economy of time. Food habits, social cultures, and aesthetic values are considered throughout.

THDT N101 Nutrition (3 cr.)

Study of basic principles of human nutrition; includes physiological functioning of nutrients, their availability, and their relationship to the individual and society.

THDT P103 Institution Equipment (2 cr.)

Selection of equipment and principles of layout for food service organizations.

THDT W101 Meal Management (3 cr.)

Study of planning and serving meals for hospitalized patients. Emphasis on organization and management of nutritional needs, budget demands, equipment, and time and energy involved.

THDT P101 Quantity Food Production I (3 cr.)

Basic principles, standards, and practices involved in large quantity food production.

THDT S101 Sanitation and Safety (2 cr.)

Principles of sanitary control. Emphasis on environmental sanitary control in food production and service.

THDT P102 Quantity Food Production II (3 cr.)

Application of principles of marketing, menu planning, services to food production management. Opportunity to engage in directing quantity food production in hospital environment. Field trips required. University Adult Hospital used for training center.

THDT A101 Cost Control—Accounting for Dietetics (3 cr.)

Principles of accounting applied to food service management. Financial statement analysis, applications to practical situations.

THDT P100 Food Purchasing (3 cr.)

Study of methods, policies, problems, and distribution of institutional food purchasing. Storeroom management and control. Consideration of federal and state food laws.

THDT J101 Personnel Management (3 cr.)

Study of methods, techniques, and psychology employed in personnel administration from standpoint of manager. Principles applied to standards and controls, personnel problems, supervision and employment practices.

THDT F102 Foods II (3 cr.)

Food preparation and food service studied in-depth. Emphasis on high food standards.

THDT N102 Diet Therapy (3 cr.)

Study of diet in prevention and treatment of disease. Explanations of principles involved in modification of the normal diet pattern for pathological conditions in children and adults. University Adult Hospital used for training center and modified diet writing experience.

THDT J102 Supervisory Techniques (3 cr.)

Principles of effective management with emphasis on techniques of supervision for controlling cost, directing personnel, and managing quality food service operations.

TED M101 Methods of Adult Education (3 cr.)

Study of promotion, organization, and teaching methods used with adult groups. Includes surveys made of current trends and present activities in adult education. Work done with educational films, programmed learning, educational TV, and bulletin board design to improve ability to communicate through materials and equipment available in an audio-visual center.

Medical Record Administration**A HL M322 Hospital Organization and Management (2 cr.)**

Orientation to hospital departments; hospital organization; inter- and intra-relationships of hospital and community agencies.

A HL M330 Medical Terminology (3 cr.) (2 lectures—2 lab. hrs.)

Understanding and use of medical vocabulary; emphasis on speaking, reading, and writing skills.

A HL M411 Medical Record Science I (5 cr.)

History, content, form, numbering, filing, securing, preserving, coding, and indexing medical records; hospital medical library and statistics; the professional medical record administrator and her relationship to the health facility, the medical staff, and committees.

A HL M412 Medical Record Science II (5 cr.)

Principles and practices of medical record department administration in the hospital and in specialized health-care facilities.

A HL M441 Directed Practice Experience I (4 cr.)

Supervised practice of medical record department procedures in an organized laboratory; guest lectures, films, and on-site observations and tours.

A HL M442 Directed Practice Experience II (6 cr.)

Rotation and project assignments in medical record departments in Indianapolis area health facilities. Final month is spent in an affiliation in a medical record department in or out of Indianapolis.

A HL M445 Medicine and the Law (2 cr.)

Presentation of concepts of law in medical and/or health-related area as applied to the physician, the hospital, health institutions, the medical record, and the individual health worker.

Medical Technology**A HL C400 Laboratory Practice (Introductory) (1 cr.)**

Meetings at intervals, during the early period of training; study of laboratory procedures. Includes technical procedures and orientation. (For continuation, see C480.)

A HL C401 General Externship I (2 cr.)

Supervised clinical experience in clinical chemistry. Student rotates through various areas of clinical chemistry.

A HL C402 General Externship II (2 cr.)

Supervised clinical experience in clinical hematology. Experience in routine hematology, urinalysis, routine and special coagulation.

A HL C403 General Externship III (2 cr.)

Clinical experience in various areas of microbiology. Student rotates through routine, anaerobe, mycology, and parasitology departments.

A HL C405 Medical Laboratory Records (½ cr.)

Required by Registry. Proper procedure of reporting laboratory results; method of distribution throughout various phases of work; experience in office, filing, statistical work.

A HL C406 Clinical Chemistry (6 cr.)

Principles and applications of clinical chemistry. Methods of instrumental analysis including a variety of automated procedures: electrophoresis, chromatography, radioisotopes, steroid and hormone analysis.

A HL C407 Hematology (6 cr.)

Study of functions maturation and morphology of blood cells. Blood cell, platelet, and reticulocyte counting procedures. Experience in study of cellular content of other body fluids. Techniques of sedimentation rates, hematocrits, corpuscular indices, and hemoglobin determination. Routine and special coagulation studies.

A HL C408 Blood Banking (4 cr.)

Review of serologic principles and technical fundamentals of transfusion practice; comprehensive consideration of blood groups, and Rh factors; extensive practice with pre-transfusion techniques and safety practices. Other blood types, antigen-antibody relationships and techniques for demonstrating them. Also includes practice in blood donor room procedures. Elementary knowledge of genetics is helpful.

A HL C409 Serology (2 cr.)

Lectures and correlated laboratory experience in serology, including preparation of antigens, flocculation tests for syphilis, heterophile antibody tests, C-reactive protein, and rubella testing.

A HL C410 Urine Analysis (2 cr.)

Routine urine examination and special tests; laboratory and special lectures.

A HL C411 Bacteriology (6 cr.)

Diagnostic procedures as aids to diagnosis of human diseases and methods for isolation and identification of microorganisms. Also a study of the fungi which infect humans with emphasis on isolation and identification.

A HL C412 Topics in Medical Technology (2 cr.)

Selected topics in medical technology covered by lecture and clinical experience.

A HL C413 Clinical Correlation and Theory (2 cr.)

Lectures in theoretical and clinical areas designed to emphasize relationship between laboratory tests and disease states.

A HL C414 Honors Course in Medical Technology (cr. arr.)

Each student is to complete a research paper which will require library and laboratory work. The student will be assigned to a faculty adviser in the area in which she/he does the research.

A HL C420 Parasitology for Medical Technologists (2 cr.)

Required for medical technologists; laboratory procedures and identification of the larger parasites of man. This course taught at the regional campuses is "equivalent" to J420 as taught in Indianapolis at the Medical Center by the School of Medicine, Department of Microbiology.

A HL C431 Hematology I (2 cr.)

Collecting, staining, and counting blood cells; supervised experience with patients. Experience with specimens of spinal fluid, special determinations (platelets, reticulocytes), and pathologic smears.

A HL C432 Hematology II (2 cr.)

P: C431. C432 and C434 offer more experience (than C431 allows) in the same techniques and additional techniques such as sedimentation rate, hematocrit, and the figuring of indices.

A HL C434 Hematology III (2 cr.)

P: C431, C432. Continuation of practice and experience in hematologic techniques. Individual projects assigned if student is sufficiently advanced.

A HL C440 Bacteriology I (2 cr.)

Diagnostic procedures as means to familiarize student with techniques; work on specimens received from hospital patients under supervision; practical experience with all types of human specimens for bacteriologic and mycologic study.

A HL C441 Bacteriology II (2 cr.)

P: C440. Agglutination and precipitin techniques and their special application to agglutination titers and the use of antibiotics. Special assignments to provide experience with organisms infrequently encountered.

A HL C442 Bacteriology III (2 cr.)

P: C440, C441. Student should be able to handle usual and somewhat unusual hospital bacteriologic and mycologic problems independently.

A HL C450 Serology I (2 cr.)

Flocculation and complement fixation, tests of serologic tests for syphilis; familiarity with Mazzini, Kline, V.D.R.L., and Kolmer complement fixation tests; emphasis on reading tests; lectures and demonstrations, including the cardiolipin antigen and methods for distinguishing false positives.

A HL C451 Serology II (2 cr.)

P: C450. Additional experience (for students with satisfactory proficiency in C450) in adapting complement fixation, agglutination, hemagglutination, precipitin, and flocculation technique to diagnostic procedures.

A HL C460 Surgical Pathology I (2 cr.)

Actual experience with surgical specimens removed from patients in the various hospitals; stresses rapid completion of histologic slides for microscopic examination.

A HL C461 Surgical Pathology II (2 cr.)

P: C460. Additional practice in preparation of histologic slides for microscopic examination. In addition to the hematoxylin and eosin stain, a limited number of special techniques are required, including experience with frozen sections.

A HL C471 Clinical Chemistry I (2 cr.)

Training and experience with more frequently used chemistry tests, e.g., determination of sugar and urea nitrogen; automated and manual methods.

A HL C472 Clinical Chemistry II (2 cr.)

P: C471. Limited experience with less frequent special procedures.

A HL C473 Clinical Chemistry III (2 cr.)

P: C471 and C472. Special equipment utilization; preparation and maintenance of stock and solutions.

A HL C474 Radioisotopes I (1 cr.)

Information and techniques applicable to use of radioactive materials in clinical laboratory.

A HL C475 Radioisotopes II (2 cr.)

P: C474. Extended experience and practice with radioactive materials under special supervision. Enrollment must be arranged by conference with faculty.

A HL C476 Chemistry IV (2 cr.)

P: C471, C472. Advanced procedures, method developments, special projects.

A HL C477 Chemistry V (2 cr.)

P: C471, C472. Training and experience in special micro procedures, technical and methodological.

A HL C478 Instrumentation (cr. arr.)

Theory and practice with electronics as applied to instrumentation and clinical chemistry. Credit variable on basis of 1 credit hour per each 60 clock hours.

A HL C479 Physiological Chemistry for Senior Medical Technologists (4 cr.)

P: 15 hours in chemistry, one semester of calculus, or consent of instructor. Introduction to carbohydrate, amino-acid, and lipid metabolism. Basic endocrinology: enzymes, biosynthesis of steroid hormones.

A HL C480 Clinical Laboratory Diagnosis (1 cr.)

P: C400. Continuation of material in C400. Ethics, relations with patients, techniques and interpretation of results, special equipment, maintenance of various types of equipment and supplies; miscellaneous subjects.

A HL C483 Specialty Externship I (2 cr.)

Special practice in affiliated institutions, for students with proficiency in required subspecialties. Provides individual electives for special interests.

A HL C484 Specialty Externship II (2 cr.)

Special practice in affiliated institutions, for students with proficiency in required subspecialties. Provides individual electives for special interests.

A HL C485 Specialty Externship III (2 cr.)

Special practice in affiliated institutions, for students with proficiency in required subspecialties. Provides individualized electives for special interests.

A HL C489 Basal Metabolic Techniques (½ cr.)

Special theory and techniques. Actual experience with various machines. Successful tracings required.

A HL C490 Electrocardiographic Technique (½ cr.)

Lectures on theory and procedures; actual experience with apparatus; successful electrocardiograms required.

A HL C491 Blood Bank I (2 cr.)

Review of serologic principles and technical fundamentals of transfusion practice; comprehensive consideration of blood groups and Rh factors, extensive practice with pre-transfusion techniques and safety practices. Other blood types, antigen-antibody relationships with techniques for demonstrating them. Elementary knowledge of genetics is helpful.

A HL C492 Blood Bank II (2 cr.)

P: proficiency in C491. Transfusion service bloods provide problem cases in isoimmunization and sensitization, Rh titration, etc. Responsibility for blood bank operation and application to special transfusion problems placed on the student.

A HL C493 Blood Bank III (2 cr.)

P: C491, C492. Required for students working toward special certificate in blood banking. Emphasis on supervision, reference techniques, and such accessory functions as plasma production.

Occupational Therapy

A HL T203 Introduction to Occupational Therapy (2 cr.)

Introduction to field of occupational therapy; various functions of occupational therapist. Open to all students (Bloomington campus).

A HL T301 Current Professional and Administrative Concepts (3 cr.)

Principles of administration and management as related to professional concerns and responsibilities.

A HL T323 Human Behavior (2 cr.)

Study and discussion of human behavior; occupational therapy as viewed by other disciplines; seminar for A HL T324.

A HL T324 Practicum (1 cr.)

Study and observation in local community facilities.

A HL T351 Therapeutic Techniques I (5 cr.)

In-depth study of therapeutic techniques and teaching methods.

A HL T352 Therapeutic Techniques II (2 cr.)

Continuation of A HL T351.

A HL T360 Occupational Therapy Theory and Practice I (6 cr.)

Class study of bio-psycho-social development. Practicum related to patient treatment in occupational therapy.

A HL T382 Human Growth and Development (2 cr.)

Study of human growth and development from conception through aging, with implications for occupational therapy. Includes an overview of specialized treatment techniques which will be covered in-depth in A HL T360 and A HL T460.

A HL T400 Application of Clinical Psychiatry in Occupational Therapy (2 cr.)

Review of major psychopathological entities including nomenclature, clinical description of the disorders, underlying psychodynamics and treatment procedures involved. Role of psychological testing and relationship of occupational therapy to diagnosis and treatment.

A HL T453 Therapeutic Techniques Supplement (1, 2, or 3 cr.)

Supplemental therapeutic skills to meet the needs of transfer students.

A HL T460 Occupational Therapy Theory and Practice II (6 cr.)

Continuation of A HL T360.

A HL T495 Affiliation I (5 cr.)

Three-month internship.

A HL T496 Affiliation II (5 cr.)

Three-month internship.

Occupational Therapy Technology

TOTT T100 Introduction to Occupational Therapy (2 cr.)

Introduction to occupational therapy with emphasis on the duties and responsibilities of the assistant in the field.

TOTT T101 Introduction to Occupational Therapy Techniques I (3 cr.)

Exploration of line, color, form, and texture in nature and in two-dimensional and three-dimensional representations as related to the psychological-physiological implications of the creative process, talent, and development of craftsmanship.

TOTT T102 Introduction to Occupational Therapy Techniques II (3 cr.)

Incorporation and adaptation of various art media and minor crafts in the occupational therapy treatment program. Emphasis on developing observational, analytical, and adaptational skills.

TOTT C101 Clinical Physical Conditions (4 cr.)

Information and management of clinical physical dysfunction cases referred to occupational therapy. General medical, surgical, neurological, orthopedic.

TOTT C102 Clinical Psycho-Social Conditions (4 cr.)

Information and management of clinical psycho-social dysfunction cases referred to occupational therapy. Neuroses, psychoses, character and personality disorders, developmental defects.

TOTT P200 Clinical Observation (2 cr.)

Supervised practical application of techniques and observations in a variety of psycho-social and physical dysfunction facilities.

TOTT P201 Practicum in Occupational Therapy (2 cr.)

Supervised practical application of techniques in a psycho-social or physical dysfunction occupational therapy clinic. Six weeks of continuous participation with personal evaluations.

TOTT P202 Practicum in Occupational Therapy (2 cr.)

Supervised practical application of techniques in a psycho-social or physical dysfunction occupational therapy clinic. Six weeks of continuous participation with personal evaluations.

TOTT T201 Occupational Therapy Techniques I (5 cr.)

Exploration of modalities used by the assistant. Techniques of teaching, activities of daily living, activity media.

TOTT T202 Occupational Therapy Techniques II (5 cr.)

Continuation of TOTT T201.

TOTT W101 Clinic Management (2 cr.)

Establishing and operating of clinic, including equipping, maintenance, records, ethical implications, hospital and community relationships.

Physical Therapy

A HL P204 Introduction to Physical Therapy (2 cr.)

Introduction to the physical therapy profession; history of physical therapy, education requirements, role of the physical therapist, and employment opportunities. Open to all students.

A HL P300 Motor Development and Learning (1 cr.)

P: P316 and permission of instructor. Normal growth patterns from birth through senescence are discussed with major focus on motor aspects of development. Processes underlying motor development are explored and related to the normal and exceptional individual. Methods and specific factors affecting the acquisition of motor skills are also discussed with a therapeutic viewpoint.

A HL P382 Tests and Measurements (Physical) (3 cr.)

P: Anatomy D323. Methods of observing, performing, recording, and interpreting test procedures used in physical therapy as a part of the evaluation process. Includes evaluation of mental state and body image, some sensory perception, and motor testing, measurements of joint motion, evaluation of muscle strength through manual tests, posture and flexibility evaluation, measurements of timed vital capacity, and determination of oscillometric indices. Lecture, demonstration, and laboratory.

A HL P384 Therapeutic Exercise (4 cr.)

Principles and procedures of exercise of flexibility, strength, coordination, and ambulation utilizing apparatus as a basis for prevention and modification of disability. Lecture and laboratory.

A HL P461 Physical Agents (4 cr.)

Principles and techniques used in heat transmission, conduction, convection, radiation, and conversion. Includes heat, cold, water, light, massage, diathermy, and electric stimulation. Lecture, demonstration, and laboratory.

A HL P481 Rehabilitation Procedures (2 cr.)

P: A HL D323, A HL P384, A HL W376. Principles and procedures of ambulation and activities of daily living utilizing prosthetic and orthotic devices. Lecture and laboratory.

A HL P483 Applied Neurophysiology (4 cr.)

P: Physiology F305. Emphasis on neurophysiological concepts for developing treatment procedures in physical therapy; introduction to neuromuscular facilitation procedures. Lecture and laboratory.

A HL P485 Applied Physical Therapy (2 cr.)

P: A HL P491. Lectures and discussion concerning the ethical, legal, teaching, managerial, and consultative aspects of physical therapy practice.

A HL P491 Clinical Education I (2 cr.)

Introductory experience in a clinical setting supervised by registered physical therapists in facilities affiliated with the educational program.

A HL P492 Clinical Education II (8 cr.)

Advanced experience in a clinical setting supervised by registered physical therapists in facilities affiliated with the educational program.

Public Health Administration

A HL B401 Introduction to Hospital Administration I (3 cr.)

General orientation to hospital departments, hospital organization, board of trustees, medical staff, administration, concept of management in a public service enterprise.

A HL B402 Introduction to Hospital Administration II (3 cr.)

Role of hospital in community, hospital goals and programs, coordination of hospital departments, managerial evaluation and improvement, relationships to official and voluntary health agencies.

A HL B411-B412 Nursing Home Administration I and II (3-3 cr.)

Nursing home regulations, legal aspects, and insurance; personnel management; medical records; diet and food service; rehabilitation; nursing services; psychiatric aspects in handling of geriatric patients; professional standards; use of volunteer groups.

A HL B421 Management in Health Organizations I (3 cr.)

Analysis of major policy issues in management of health organizations; establishment of need as basis for proposal and budget; setting of standards; development of programs.

A HL B422 Management in Health Organizations II (3 cr.)

Executive and professional staff responsibilities and development; evaluation and utilization of quantitative data collected for management; internal communications and control; emphasis on decision-making process in evaluation and reappraisal.

A HL B465 Field Practice (10 cr.)

Supervised field training of nine weeks in administrative practice in voluntary or official health-related agency; student participates in various phases of health administration at the management level.

Public Health Dental Hygiene

Students in this program should see the *Bulletin of the School of Dentistry* for a description of second- and third-year courses.

***A HL D401 Clinical Supervision (2 cr.)**

Supervisory experience in clinics and laboratories involved in teaching students enrolled in Dental Hygiene curriculum; problems incident to patient-student and instructor-student relationships.

A HL D403 Speech Pathology (2 cr.)

Orientation to speech pathology; emphasis on dental-related problems.

A HL D405 Community Dental Hygiene (5 cr.)

Describes organization and administration of various types of programs of the Dental Health Division of Indiana State Board of Health.

A HL D465 Public Health Field Practice (3 cr.)

Supervised field training consisting of five-week assignment with an official health agency, permitting the student to observe and participate in all phases of public health.

†DENT G999 Public Health Practice (3 cr.)

Functions, scope, and historical background of public health; organization of official and voluntary public health agencies with emphasis on their dental health programs.

Public Health Education

A HL E440 School Health Education (3 cr.)

The school health movement, involving the development, present-day policies, programs and problems; health services, environmental factors, communicable disease control, health instruction, and hygiene of the school day.

A HL E442 Community Health Education (3 cr.)

Intensive study of social, psychological, economic, and cultural factors influencing successful application of the health sciences; relationship between different public health disciplines and agencies and techniques employed.

A HL E443 Public Health Education Methods (3 cr.)

Usual techniques of group work with investigations of social and psychological factors which determine effectiveness in promoting public health. Laboratory time provides opportunity for competence in group work and in design and use of promotional materials.

A HL E465 Public Health Field Practice (10 cr.)

Supervised field training is done on full-time basis for nine weeks in selected official and voluntary health agencies. Students assist in planning and conducting health education activities.

Public Health-Environmental Health

A HL S321 Principles of Environmental Health (3 cr.)

Objectives of environmental health control; water supplies, sewage systems, solid waste handling, air hygiene, food and milk sanitation, housing; radiological health and legal and administrative phases; laboratory periods in sanitary chemistry and bacteriology. (To be discontinued fall 1974)

A HL H321 Environmental Issues (3 cr.)

Review of current environmental health and pollution problems and their causes such as water and air pollution, energy needs, housing, noise, solid waste; scope and depth of problems with an overview of control techniques and public and private control agencies. Attention to ecological systems and to conservation of resources.

A HL S408 Epidemiology and Occupational Health (2 cr.)

Cause, mode of transmission, and methods of prevention in control of common communicable diseases; methods of modern preventive medicine; industrial and occupational health hazards involving protective devices and measures for employee protection. (To be discontinued fall 1974)

A HL H422 Epidemiology (3 cr.)

Causes and behavior of communicable diseases with an overview of selected diseases; basic principles of control and prevention. Case method approach, with materials developed by NCDC.

A HL H421 Environmental Health Functions (3 cr.)

Study of professional requirements and duties in the environmental health functions within health agencies; analysis of applicable laws and standards in each environmental health function; environmental health program-planning, evaluation, implementation, and personnel responsibilities.

A HL H423 Parasitology and Entomology (3 cr.)

Survey of parasites and insects of public health importance affecting man; laboratory exercises in identification of insects; study of control measures and use of modern insecticides; rodents as disease vectors.

A HL S428 Food Technology and Control (4 cr.)

Food and dairy technology, food and dairy processing methods; field trips to processing plants for observation; legal definitions of various products; control techniques. (To be revised fall 1974)

* Admission by permission of Director of Dental Hygiene, School of Dentistry.

† Offered in the School of Dentistry.

A HL S432 Elements of Water and Sewage (2 cr.)

Basic principles of water supply; epidemiology of water, including interpretation of laboratory examinations; sewage disposal studies including private installations; use of large facilities for sewage treatment at schools, institutions, and housing developments; solid waste disposal systems. (To be discontinued fall 1974)

A HL H432 Water Supply and Wastewater Treatment I (4 cr.)

Health and ecological premises and principles for water supply treatment, distribution and construction; potable water standards and laboratory examinations; wastewater disposal methods and construction for private installations, institutions, municipalities, and industries; water quality control with respect to pollution of streams.

A HL S465 Public Health Field Practice (10 cr.)

Supervised field-training of nine weeks with local health department or Indiana State Board of Health; variety of health problems studied. (To be discontinued fall 1974)

A HL H465 Environmental Health Practicum I (3 cr.)

Supervised orientation, observation, and instruction with the Indiana State Board of Health and/or local health agency; primary emphasis upon environmental health functions with a variety of health problems being studied.

A HL H460 Environmental Health Instrumentation I (3 cr.)

P or Concurrent: A HL H432. Basic physical, chemical, and biological examination and standards for potable water quality, wastewater treatment determinations, and stream pollution control. Instruction in basic laboratory skills and techniques for performing these examinations.

Public Health (General)**A HL G996 Epidemiology (3 cr.)**

Principles and methods used in epidemiologic investigations. Review of communicable disease control with emphasis on etiologic factors, modes of transmission and methods of control. Non-infectious pathogenic conditions, uses of statistical analysis, and group discussions. Case method of approach, with materials prepared by the NCDC.

A HL H401 Community Health Organization (3 cr.)

Historical development and objectives of community health with emphasis on public health; federal, state, and local level health agency structure and community interrelationships; legal and financial aspects; professional functions in public health units and community health; program planning, evaluation, and implementation importance in public health services.

A HL H304 Statistics (2 cr.)

Collection, tabulation, and elementary analysis of data; measures of central tendency, of variability, tests of significance, sampling procedures; prepares student to draw justified conclusion from numerical data.

A HL H490 Research (cr. arr.)

For advanced students only. Supervised research problems in field of public health.

Radiologic Technology**A HL R405 Radiographic Correlation I (cr. arr.)**

Lecture and laboratory work in radiologic technique at an advanced level, including many procedures formerly learned and performed only by the radiologist. Included are the technique of peripheral arteriography, renography, and contrast studies of the gastrointestinal tract. Special attention given to those aspects of technology which have been considered quasi-professional. Presentation of administrative duties at the level given chief technicians. An approach to educational methods in radiologic technology is also given, with the intent that many of those completing this course will be involved in future teaching.

A HL R406 Radiographic Correlation II (cr. arr.)

Continuation of A HL R405.

A HL R410 Mathematics and Statistics in Nuclear Medicine (2 cr.)

Lectures regarding the use of statistics and logarithms in nuclear medicine and the determination of the reliability of data in nuclear medicine.

A HL R415 Nuclear Radiation Physics (3 cr.)

Lectures and clinical experiments to demonstrate the properties of ionizing radiation, especially the interaction of radiation with matter and biological systems.

A HL R420 Measures of Radiation in Nuclear Medicine (3 cr.)

Lectures and laboratory exercises concerning the fundamentals of instrument measurements, auxiliary instruments, and counting equipment and detectors.

A HL R425 Advanced Radioactive Isotope Procedures (2 cr.)

Sources, properties, and production methods of stable and radioactive isotopes; monitoring and waste-disposal techniques of radioactive material in relation to safe handling of the material.

A HL R430 Special Radioactive Isotope Procedures (8 cr.)

Lectures and clinical exercises as applied to specific clinical examinations which utilize radioactive isotope materials. Special attention given to standardization, calculations, interpretations, diagnostic applications, and therapeutic applications for each procedure.

A HL R435 Records and Administrative Procedures (1 cr.)

Lectures dealing with Atomic Energy Commission rules and regulations concerning the use of radioactive isotope materials; records, coding, and filing systems.

A HL R445 Clinical Application in Nuclear Medicine I (5 cr.)

Practical clinical application of nuclear medicine theory.

A HL R446 Clinical Application in Nuclear Medicine II (5 cr.)

Continuation of A HL R445.

A HL R450 Radiobiology (2 cr.)

Fundamentals of the biological effects of ionizing radiation on living systems, especially in man; basic biological mechanisms which bring about somatic and genetic effects.

A HL R451 Research in Radiobiology (4 cr.)

Lectures and laboratories designed to demonstrate the biological effects of ionizing radiation on living matter. Individual projects with papers required.

A HL R455 Tumor Localization Technique (5 cr.)

Various radiologic techniques used to define the limits of the tumor and to establish the borders of area or areas to be treated with radiation; clinical application of treatment.

A HL R460 Physical Principles of Radiation Physics (2 cr.)

Advanced lectures on nuclear physics; conservation of energy and matter; quantum electronics; interactions of radiations and matter.

A HL R465 Principles of Dosimetry (2 cr.)

Laboratory experiments demonstrating the principles and techniques of radiation monitoring and hazard control; operation and use of radiation survey instruments; detection and evaluation of radiation and contamination hazards.

A HL R470 Radiation Statistics Study (4 cr.)

Statistical research project dealing with data compiled in the Department of Radiation Therapy at the IUPUI Medical Center.

A HL R475 Clinical Application in Radiation Therapy (5 cr.)

Clinical application of special radiation therapy examinations.

TAHS I100 Orientation to Radiologic Technology (2 cr.)

Introduction to Program in Radiologic Technology and to field of radiology and its history. Student learns proper and ethical standards and is acquainted with duties and responsibilities of personal care for the patient.

TAHS R101 Radiographic Positioning I (3 cr.)

To obtain knowledge, skills, and application of alignment of body parts, cassette, and X-ray tube in each radiographic examination. Correlated with Anatomy and Physiology and patient care procedures. Film critique.

TAHS R102 Principles of Radiography I (3 cr.)

Basic fundamentals concerned with production, analysis, and recording of the radiographic image. Includes film processing and proper radiation in electrical protection techniques. Film critique.

TAHS T100 Medical Terminology (1 cr.)

Introduction of origin and derivation of medical words as well as their meaning. Includes use of medical dictionary.

TAHS M200 Pathology (2 cr.)

To acquaint the student with certain changes that occur in disease and injury and their application to radiologic technology. Not intended as detailed course in pathology.

TAHS M201 Tumor Pathology (1 cr.)

Radiobiological and cytological characteristics of carcinoma.

TAHS R201 Radiographic Positioning II (3 cr.)

Furthering knowledge, skills, and application of alignment of body parts, cassette, and X-ray tube in each radiographic examination. Emphasis will be given to special radiographic procedures. Film critique. Correlated with Principles of Radiography II.

TAHS R202 Principles of Radiography II (3 cr.)

Detailed study of fundamentals considered in Principles of Radiography I. Emphasis given to specialized equipment. Correlated with Radiographic Positioning II. Film critique.

TAHS R203 Radiation Therapy Treatment and Planning (2 cr.)

Lectures and practical tutorials in factors related to treatment-planning for radiation therapy: compounding isodose curves, wedged fields, tissue compensators, inhomogeneity corrections, irregularly shaped fields, rotational therapy. Paterson-Parker interstitial calculations, and isodose curves around interstitial and intracavitary applications.

TAHS R204 Radiation Therapy Technique (3 cr.)

Lectures and discussions designed to cover the basic physics relating to therapeutic radiology and the principles of radiation dosimetry. Laboratory exercises include calibration and survey of Cobalt-60 irradiators and orthovoltage X-ray machines.

TAHS R222 Principles of Radiography III (3 cr.)

Further development of concepts learned in Principles of Radiography I, II. Emphasis on formulation and application of technique charts. Film critique.

TAHS X100 Clinical Experience I (cr. arr.)**TAHS X101 Clinical Experience II (cr. arr.)****TAHS X200 Clinical Experience III (cr. arr.)****TAHS X201 Clinical Experience IV (cr. arr.)**

Clinical application of radiographic positioning, exposure techniques, and departmental procedures in all phases of radiologic technology, under the direct supervision of a registered technologist. Credit arranged for Clinical Experience I, II, III, IV and Comprehensive Experience, totaling a minimum of 2400 clock hours.

TAHS X222 Comprehensive Experience (cr. arr.)

Student assumes greater responsibility in advanced clinical application of radiographic positioning, exposure techniques, and research. A review correlation of clinical and classroom experience. Credit arranged for Clinical Experience I, II, III, IV and Comprehensive Experience, totaling a minimum of 2400 clock hours.

TAP 100 Anatomy and Physiology (3 cr.)

Structures and functions of the human body as applied to radiology.

TPHY P200 Physics Applied to Radiology (2 cr.)

Fundamentals of X-ray generation in radiant energy.

TRNM T201 Radiation Therapy and Nuclear Medicine (2 cr.)

Fundamentals of radiation therapy including various types of radiation therapy devices and their application to disease. Introduction to basic instrumentation and clinical application of medical isotopes.

TPHY P203 Advanced Radiation Physics (2 cr.)

Lectures and discussion designed to cover high energy physics as it applies to radiotherapy. Laboratory exercises utilize ionization chambers, proportional counters, thermoluminescent dosimeters, and ferrous sulfate chemical dosimeters in the measurement of radiation fields. A second series of lectures covers the basic fundamentals on the applicability of computers to therapeutic radiology.

Respiratory Therapy

A HL F201 Respiratory Therapy I (6 cr.)

Lecture and demonstrations in various procedures and techniques; objectives of respiratory therapy. Organization and function of a respiratory therapy department, care of equipment, ethics, and experience in patient treatment in which respiratory therapy techniques are applied.

A HL F202 Respiratory Therapy II (2 cr.)

P: F201. Advanced experience in patient treatment supervised by registered inhalation therapists in facilities affiliated with educational program. Includes positive pressure treatments, continuous ventilators and blood gas analysis.

A HL F203 Respiratory Therapy III (2 cr.)

P: F202. Advanced experience in patient treatment supervised by registered inhalation therapist in facilities affiliated with educational program. Includes pulmonary function studies and administration.

A HL F211 Respiratory Therapy Clinical Education I (2 cr.)

Clinical experience in patient treatment using respiratory therapy techniques discussed in A HL F201.

A HL F212 Respiratory Therapy Clinical Education II (2 cr.)

Clinical experience in patient treatment using respiratory therapy techniques discussed in A HL F202.

A HL F213 Respiratory Therapy Clinical Education III (2 cr.)

Clinical experience in patient treatment using respiratory therapy techniques discussed in A HL F203.

ALLIED HEALTH CORE AND ELECTIVE COURSES

For suggested electives, students should consult individual program presentations in this Bulletin. Students should consult the bulletins of the schools and divisions offering the core and elective courses (i.e., College of Arts and Sciences, Business, etc.) and the bulletins of the various campuses of Indiana University for course numbers and descriptions.

Faculty and Staff, 1972-73

Certification Abbreviations

- A.R.I.T.—American Registry of Inhalation Therapists; approved by the American Society of Anesthesiology and the American College of Chest Physicians
C.T. (ASCP)—Cytotechnologist; approved by the American Medical Association and the American Society of Clinical Pathologists
H.T. (ASCP)—Histological Technician; approved by the American Medical Association and the American Society of Clinical Pathologists
M.T. (ASCP)—Medical Technologist; approved by the American Medical Association and the American Society of Clinical Pathologists
M.T. (ASCP) BB—Blood Banking Technologist; approved by the American Medical Association and the American Society of Clinical Pathologists
N.M.T. (ASCP)—Nuclear Medical Technologist; approved by the American Medical Association and the American Society of Clinical Pathologists
O.T.R.—Registered Occupational Therapist; approved by the American Medical Association and the American Occupational Therapy Association
R.D.H.—Registered Dental Hygienist; approved by the American Dental Association
R.P.S.—Registered Professional Sanitarian
R.P.T.—Registered Physical Therapist; approved by the American Medical Association and the American Physical Therapy Association
R.R.A.—Registered Record Administrator; approved by the American Medical Association and the American Medical Record Association
R.T.—Registered Radiologic Technologist; approved by the American Medical Association and the American Registry of Radiologic Technologists
H.E.I.F.S.S.—Hospital Education Institution Food Service Society

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- HAROLD S. ADAMS, B.S., Director of Public Health-Environmental Health
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ARLENE M. WILSON, M.S., Director of Hospital Dietary Technology

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ANGER, ROBERT T., B.S. (University of Michigan, 1965), M.P.H. (University of Michigan, 1967), Physicist, Nuclear Medicine; Assistant Professor of Radiology; Associate Director of Nuclear Medicine Training Program
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- BOUNDY, MRS. SUZANNE STYERS, M.S. (Old Dominion University, 1970), Assistant Professor, and Director of the Dental Hygiene Program
- BRADLEY, KAY, B.S. (Indiana University, 1967), O.T.R., 1967, Assistant Professor of Occupational Therapy
- BRAHME, FOLKE, M.D. (University of Lund, Sweden, 1956), Associate Professor of Radiology
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- BRITAIN, HARRY M., Instructor in Biostatistics
- BROWN, EDWIN W., JR., M.D. (Harvard University, 1953), M.P.H. (Harvard University, 1957), Associate Professor of Preventive Medicine
- CHAILLE, MONTE W., B.S., R.T. (Indiana University, 1971), Educational Director of Radiologic Technology, and Instructor in Radiology
- COCKERILL, EDWARD M., M.D. (Indiana University, 1961), Assistant Professor of Radiology
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- CRONIN, JOSEPH H., M.D. (Indiana University, 1956), Assistant Professor of Radiology
- DAHL, LILLIAN O., B.S. (Indiana University, 1967), R.D.H. (University of Minnesota, 1938), Instructor in Community Dentistry (School of Dentistry)
- DALY, WALTER J., M.D. (Indiana University, 1955), Chairman, and Professor of Medicine
- DARRELL, ALAN M., A.B. (University of Maine, 1950), C.L.U. (1965), Lecturer in Health Insurance
- DEFRAITZ, MRS. ANITA P., A.M. (Indiana University, 1962), Instructor in Speech Pathology (School of Medicine)
- DIZON, MIGUEL B., M.D. (University of St. Tomas, Manila, 1949), Assistant Professor of Radiology
- DOTY, JOHN M., Ph.D. (University of Michigan, 1972), Assistant Professor of Preventive Medicine
- DRESON, ROBERT J., R.T. (Indiana University, 1959), Teaching Associate in Radiologic Technology
- DUFFER, BARBARA A., B.S. (Indiana University, 1965), R.P.T. (1965), Instructor in Physical Therapy
- DYSON, KENNETH, R.T., N.M.T. (Indiana University, 1968), Teaching Associate
- EDWARDS, JOSHUA L., M.D. (Tulane University of Louisiana, 1943), Director of Cyto-technology; Chairman, and Professor of Pathology
- EITZEN, HAROLD E., Ph.D. (University of Michigan, 1969), Assistant Professor of Clinical Pathology, and Coordinator of Hospital Environmental Health
- EKSTAM, MRS. FRANCES C., M.S. (Indiana University, 1960), R.P.T. (1944), Director of the Physical Therapy Program, and Professor of Physical Therapy
- ELLIOTT, MARY R., M.S. (Indiana University, 1967), O.T.R. (1962), Chief Occupational Therapist on Riley Child Development Project
- FARBER, MRS. SHEREEN, M.S. (Butler University, 1972), O.T.R. (1967), Assistant Professor of Occupational Therapy
- FASSNACHT, GEORGE G., M.C.E. (New York University, 1940), Lecturer in Public Health
- FEELEY, MRS. MARY, M.S. (Butler University, 1971), M.T. (ASCP, 1946), Coordinator, and Assistant Professor of Medical Technology
- FISHER, FRANK E., B.S.E.E. (Purdue University, 1930), Lecturer in Public Health
- FISK, A. REBEKAH, M.S. (Butler University, 1958), R.D.H. (University of Pennsylvania, 1923), Assistant Professor Emeritus (School of Dentistry)

- FRANKEN, EDMUND A., JR., M.D. (University of Oklahoma, 1961), Assistant Professor of Radiology
- FRENCH, MORRIS L. V., Ph.D. (University of Michigan, 1969), Assistant Professor of Clinical Pathology
- FULFORD, JAMES V., B.S., R.T. (Indiana University, 1971), Teaching Associate in Radiologic Technology
- GARTNER, DONALD J., M.S. (Indiana University, 1972), Assistant Professor of Medical Technology
- GISH, CHARLES W., D.D.S. (Indiana University, 1949), M.S.D. (1960), Co-Chairman of the Department of Community Dentistry; Associate Professor of Pedodontics, and Consultant in Public Health Dentistry (School of Dentistry)
- GLICK, MELVIN R., Ph.D. (University of Alabama at Birmingham, 1972), Assistant Professor of Clinical Pathology
- GLOVER, JOHN L., M.D. (Vanderbilt University, 1958), Assistant Professor of Surgery
- GRIEP, JOHN A., M.D. (University of Michigan, 1962), Associate Professor of Clinical Pathology
- HALL, WILLIAM S., B.S. (University of Pennsylvania, 1933), J.D. (Indiana University, 1951), Lecturer in Medical Jurisprudence
- HAMANT, CELESTINE, M.S. (Butler University, 1971), O.T.R. (1963), Assistant Professor of Occupational Therapy
- HEFNER, HAROLD W., B.S. (Manchester College, 1970), Assistant to the Associate Dean for Allied Health Sciences; Coordinator, Division of General and Technical Studies, Allied Health Programs; and Lecturer in Allied Health Sciences
- HEFNER, MRS. MARCEA, M.S. (Indiana University, 1972), R.R.A. (1966), Clinical Instructor in the Medical Record Administration Program
- HEFNER, MRS. PATRICIA H., B.S. (Indiana University, 1971), R.D.H. (1970), Clinical Instructor in Dental Hygiene (School of Dentistry)
- HELMEN, CHARLES H., M.D. (Indiana University, 1953), Director of Radiologic Technology, and Professor of Radiology
- HERT, ORAL H., B.S. (Purdue University, 1948), Lecturer in Public Health
- HICKS, EDWARD J., Ph.D. (University of Iowa, 1969), Assistant Professor of Clinical Pathology
- HOCKER, NARCISSA, M.S. (Indiana University, 1964), M.T. (ASCP, B.B., 1945), Assistant Professor of Medical Technology
- HOOVER, CHARLES, R.T., Teaching Associate in Radiologic Technology
- HOPPER, SAMUEL H., Ph.D. (Massachusetts Institute of Technology, 1937), Director of Public Health Administration and Education, and Professor of Public Health
- HORNBACK, NED B., M.D. (University of Wisconsin, 1956), Professor of Radiology
- HUBBARD, JESSE D., M.D. (Johns Hopkins University, 1951), Professor of Pathology
- IRWIN, GLENN W., JR., M.D. (Indiana University, 1944), Dean of the School of Medicine, and Professor of Medicine
- IRWIN, LOUISE, M.S. (Purdue University, 1950), Director, and Professor of Dietetics
- JONES, ELIZABETH A., M.S. (Indiana University, 1949), M.P.H. (University of Michigan, 1965), Lecturer in Public Health
- JUMP, ROBERT L., B.P.S. (Purdue University, 1955), Lecturer in Public Health
- JUNG, DAVID, Ph.D. (Indiana University, 1935), Assistant Professor of Clinical Pathology
- KAVULA, MICHAEL P., Pharm. D. (University of Cincinnati, 1971), Radiopharmacist in Nuclear Medicine, and Instructor of Radiology
- KEHREIN, SUETTA, R.T., B.S. (Indiana University, 1970), Associate Director of Radiologic Technology, and Instructor of Radiology
- KLATTE, EUGENE C., M.D. (Indiana University, 1952), Chairman, and Professor of Radiology
- KORTRIGHT, NANCY S., B.S. (Indiana University, 1969), C.T. (ASCP, 1965), Assistant Professor of Cytotechnology
- KOSS, JOSEPH A., B.S. (University of Wisconsin, 1964), Co-Director, and Assistant Professor of Respiratory Therapy
- LACY, MARY ANN, A.B. (College of St. Scholastica, 1954), R.R.A. (1954), Director, and Assistant Professor in the Medical Record Administration Program
- LADUE, RUTH, A.M. (Stanford University, 1966), R.P.T. (1945), Assistant Professor of Physical Therapy

- LEHMAN, RACHEL M., B.S. (Indiana State University, 1929), M.T. (ASCP, 1936), Assistant Professor of Medical Technology
- LEININGER, VERNON E., Ph.D. (Purdue University, 1968), Assistant Professor of Radiology
- LIFSEY, LINDA, M.S. (Indiana University, 1968), Instructor in Dietetics
- LOSASSO, ALVIN M., M.D. (The Ohio State University, 1963), Director of the Respiratory Therapy Program, and Associate Professor of Anesthesiology
- LUKEMEYER, JACK W., Ph.D. (Indiana University, 1963), Associate Dean for Allied Health Sciences and Associate Professor of Pediatrics
- MCCONNELL, SALLIE, A.B. (Washington University, 1966), O.T.R. (1966), Instructor in Occupational Therapy
- MCCOWEN, MAX C., M.S. (Indiana State University, 1938), Lecturer in Public Health
- MCDONALD, RALPH E., D.D.S. (Indiana University, 1944), M.S. (1951), Dean of the School of Dentistry; Professor of Pedodontics (School of Dentistry)
- McLELLAND, MALCOLM J., M.S. (Indiana University, 1941), Lecturer in Public Health
- MAGEE, MARION R., A.M. (Smith College, 1961), R.P.T. (1956), Assistant Professor of Physical Therapy
- MANION, MARLOW W., M.D. (Indiana University, 1926), Professor of Otolaryngology
- MATTHEWS, WILLIAM M., M.D. (Indiana University, 1946), Associate Professor of Anesthesiology
- MILLER, JERRY, M.D. (Temple University, 1947), Professor of Anesthesiology
- MILLER, M. DEVON, M.S. (Indiana University, 1966), Assistant Professor in the Medical Record Administration Program
- MILLER, R. E., M.D. (Indiana University, 1951), Professor of Radiology
- MINTON, SHERMAN A., JR., M.D. (Indiana University, 1942), Professor of Microbiology
- MITCHELL, RUTH U., Ph.D. (Case Western Reserve University, 1970), (R.P.T., 1954), Associate Professor of Physical Therapy-Education
- MOOREHEAD, WELLS R., Ph.D. (University of Tennessee, 1965), Associate Professor of Clinical Pathology
- MORROW, JAMES R., M.S. (Indiana University, 1970), R.P.T. (1965), Assistant Professor of Physical Therapy
- NATHAN, CAROL, A.M. (University of Southern California, 1968), O.T.R. (1958), Director, and Associate Professor of Occupational Therapy
- NOLAN, MRS. ANNA J., R.R.A. (1941), Lecturer in Medical Records, and Medical Record Administrator
- NORDSCHOW, CARLETON, M.D. (University of Iowa, 1953), Ph.D. (University of Iowa, 1964), Director of Medical Technology, Chairman and Professor of Clinical Pathology
- OEI, TJEN O., M.D. (University of Indonesia, 1958), Assistant Professor of Clinical Pathology
- PROKSCH, GARY J., Ph.D. (University of Iowa, 1970), Assistant Professor of Clinical Pathology
- RAIDT, HAROLD, M.S. (University of Kentucky, 1934), Professor of Microbiology (School of Medicine, School of Dentistry, Graduate School)
- RIDLEY, ELTON, M.B.A. (University of Chicago, 1952), Special Consultant to Chancellor for Medical Center Planning, and Associate Professor of Hospital Administration
- ROESCH, RYLAND P., M.D. (Indiana University, 1948), Associate Professor of Anesthesiology
- SCHAEFER, MRS. CAROL, B.S. (Indiana University, 1968), R.P.T. (1968), Instructor in Physical Therapy
- SCHULTHEIS, RICHARD L., M.D. (Indiana University, 1960), J.D. (Indiana University, 1967), Assistant Professor of Law (Indianapolis); Assistant Professor of Preventive Medicine (School of Medicine, Medical Record Administration Program)
- SCOTT, MRS. DIANE K., M.S. in Ed. (Indiana University, 1973), R.D.H. (1968), Instructor in Dental Hygiene (School of Dentistry)
- SHANKS, JAMES C., JR., Ph.D. (Northwestern University, 1957), Clinical Director of Speech Pathology Services, and Professor of Speech Pathology (Otorhinolaryngology and Bronchoesophagology)
- SHIDNIA, HOMAYOON, M.D. (University of Isfahan, Iran, 1956), Assistant Professor of Radiology
- SHUPE, ROBERT E., Ph.D. (Purdue University, 1969), Assistant Professor of Radiology

- SIMEK, MRS. ERNA, A.M. (Washington University, 1954), O.T.R. (1944), Associate Professor of Occupational Therapy
- SMITH, DONALD E., M.B.A. (University of Chicago, 1963), Associate Director of Nursing Home Administrators Course, and Assistant Professor of Health Administration
- SMITH, JAMES W., M.D. (University of Iowa, 1959), Professor of Clinical Pathology
- SNIDER, RICHARD T., Ph.D. (University of Houston, 1970), Associate Professor of Clinical Psychology (Psychiatry)
- SOLOW, ELIZABETH B., M.S. (Indiana University, 1962), Assistant Professor of Neurological Surgery (Surgery)
- SPOLYAR, LOUIS W., M.D. (Indiana University, 1936), Assistant Professor of Public Health
- SUMMERS, WILLIAM A., Ph.D. (Tulane University of Louisiana, 1940), Professor of Microbiology (School of Medicine, School of Dentistry, Graduate School)
- TOTTEN, MRS. CARLA J., B.S. (Indiana University, 1967), R.D.H. (1955), Clinical Supervisor, Assistant Professor of Dental Hygiene (School of Dentistry)
- VAN NESS, ADA M., M.S. (The Ohio State University, 1963), Assistant Professor of Dietetics
- VINCENT, JOE, B.S. (Indiana University, 1971), Instructor in Respiratory Therapy
- VON SCHUCHING, SUSANNE L., Ph.D. (University of Gottingen and Berlin, 1937), Assistant Professor of Radiology
- WEAVER, MRS. ANITA H., B.S. (Indiana University, 1970), R.D.H. (1965), Clinical Instructor in Dental Hygiene (School of Dentistry)
- WEBSTER, RICHARD C., Ph.D. (University of Kansas, 1949), Associate Professor of Anatomy (School of Medicine, School of Dentistry, Graduate School)
- WEEKS, MRS. ZONA R., B.S. (University of Wisconsin, 1958), O.T.R. (1959), Assistant Professor of Occupational Therapy
- WELLMAN, HENRY N., M.D. (St. Louis University, 1961), Director of Nuclear Medicine, and Professor of Radiology
- WILSON, ARLENE M., M.S. (Purdue University, 1957), Director of Hospital Dietary Technology, and Professor of Dietetics
- WRIGHT, RICHARD C., B.S. (Oswego State Teachers College, 1950), O.T.R. (1954), Assistant Professor of Occupational Therapy
- YOHO, ROBERT O., A.M. (Indiana University, 1939), H.S.D. (1957), Instructor in Public Health (School of Medicine, School of Dentistry)
- YOUNG, M. KATHRYN, A.M. (University of Michigan, 1937), R.P.T. (1946), Assistant Professor of Physical Therapy
- YOUNG, MILDRED, M.S. (Butler University, 1966), M.T. (ASCP, 1942), Assistant Professor of Medical Technology
- YUNE, HEUN Y., M.D. (Severance Medical College, Korea, 1956), Professor of Radiology

AFFILIATED MEDICAL TECHNOLOGY LECTURERS

ANDERSON

St. John's Hickey Memorial Hospital

- BUCKLES, DAVID L., M.D. (Indiana University, 1943), Director of Medical Technology and of Department of Pathology
- STEVENSON, JERRY L., M.D. (Ohio State University, 1960), Associate Director of Medical Technology and of Department of Pathology
- SCHUSTER, M. GARY, B.S. (Ball State University, 1961), M.T. (ASCP, 1962), Education Coordinator in Medical Technology
- HOLDCRAFT, MARTHA A., B.S. (Indiana University, 1953), M.T. (ASCP, 1953), Laboratory Coordinator
- BROWN, REBECCA A., B.S. (Ball State University, 1968), M.T. (ASCP, 1968), Section Chief in Medical Technology, Chemistry, and Hematology
- HOLLADAY, MARY K., M.T. (ASCP, 1961), Section Chief in Medical Technology, Blood Banking

BEECH GROVE

St. Francis Hospital

- COSTIN, ROBERT L., M.D. (Indiana University, 1956), Director of Medical Technology and Assistant Clinical Professor, Department of Pathology (School of Medicine)

- BUEHL, ISABELLE, M.D. (Indiana University, 1959), Assistant Clinical Professor, Department of Pathology (School of Medicine)
- BOLINGER, GARRY L., M.D. (Indiana University, 1966), Assistant Clinical Professor, Department of Pathology (School of Medicine)
- BARKSDALE, ROGER H., B.S. (Indiana University, 1970), M.T. (ASCP, 1970), Instructor, Department of Chemistry, Lecturer in Medical Technology
- BRAGDON, DOROTHY C., B.S. (Lander College, Greenwood, South Carolina, 1963), M.T. (ASCP, 1963), Hematology Section Head, Instructor and Lecturer in Hematology
- CHARNLEY, JUDITH, B.S. (Ball State, 1954), M.T. (ASCP, 1954), Assistant Chief Technician, Blood Bank Supervisor, Instructor and Lecturer in Radioisotopes and Blood Bank
- HANNA, BETTYLYN, B.S. (Indiana University, 1959), M.T. (ASCP, 1959), Education Coordinator
- KNAPP, IRMENTRANT, M.T.A. (University of Heidelberg, Canadian Society of Laboratory Technicians, 1950), A.R.T. (1964), Instructor and Blood Bank Technician, Lecturer in Blood Bank
- LEA, MARILYN, B.S. (Morgan State College, 1957), M.T. (ASCP, 1959), Bacteriologist Section Chief, Laboratory Instructor and Lecturer
- ROLFSEN, SUSAN, B.S. (Marian College, 1971), M.T. (ASCP, 1971), Medical Technologist, Instructor in Urinalysis and Serology, Lecturer in Urinalysis, Serology, and Coagulation
- SCHEIB, JOYCE, B.S. (Indiana University, 1953), M.T. (ASCP, 1953), Instructor in Chemistry

EVANSVILLE

Deaconess Hospital

- ZUNKER, HEINZ O. H., M.D. (Free University of Berlin, 1954), Director of Laboratories and School of Medical Technology
- MILLS, FRED E., M.D. (University of Kansas, 1938), Associate Pathologist
- YIM, YOUNG S., M.D. (Seoul National University, 1958), Associate Pathologist
- WILZBACHER, MRS. JOAN, B.S. (University of Evansville, 1954), M.T. (ASCP, 1954), Teaching Supervisor and Instructor, School of Medical Technology

FORT WAYNE

Lutheran Hospital

- ALFRED, ALLEN W., M.D. (Indiana University, 1953), Associate Pathologist
- AUST, CHARLES, M.D. (Indiana University, 1953), Associate Pathologist
- BURR, ALICE, A.B. (Wooster College, 1939), M.T. (ASCP, 1941), Instructor in Hematology
- FRANCE, LLOYD, M.T. (ASCP, 1957), C.T. (ASCP, 1960), Lecturer in Blood Bank and Chief Technologist
- GRIEST, WALTER D., M.D. (University of Cincinnati, 1944), Director of Medical Technology and of Department of Pathology
- LOWER, RUTH, H.T. (ASCP, 1957), Instructor in Histology
- MYERS, HELEN, B.S. (Bowling Green University, 1946), M.T. (ASCP, 1947), Education Director
- STUMP, SANDRA, A.B. (Depauw University, 1958), M.T. (ASCP, 1959), Instructor in Bacteriology
- SPRINGER, JANET, B.S. (Ball State University, 1970), M.T. (ASCP, 1970), Instructor in Blood Banking

Parkview Memorial Hospital

- BORCHERDING, WAYNE, B.S. (Indiana University, 1968), M.T. (ASCP, 1968), Lecturer in Medical Technology
- FRANKHOUSER, CHARLES, M.D. (State University of New York, 1950), Assistant Professor of Pathology
- RANSBERG, ROBERT C., M.D. (Indiana University, 1962), Assistant Professor of Pathology
- SCHLADEMAN, KARL R., M.D. (Northwestern University, 1942), Director, and Assistant Professor of Pathology
- SCHWARTZ, SAM, B.S. (Purdue University, 1956), M.T. (ASCP) and Certified Microbiology (ASCP), Lecturer in Medical Technology

WILSON, STEPHANIE P., B.S. (Briar Cliff College, 1967), M.T. (ASCP, 1968), Teaching Supervisor and Lecturer in Medical Technology

St. Joseph's Hospital

JANSCH, THEODORE L., M.D. (University of British Columbia, 1954), Assistant Professor of Pathology

PAN, CHARLES M., M.D. (National Taiwan University, China, 1953), Assistant Professor of Pathology

RUMSCHLAG, DONALD R., M.S. (St. Francis College, 1972), M.T. (ASCP, 1960), Instructor in Medical Technology

SCHNEIDER, LOUIS, M.D. (New York University, 1940), Director, and Assistant Professor of Pathology

SCHOEFF, LARRY E., M.S. (Indiana University, 1969), M.T. (ASCP, 1968), Coordinator, and Instructor in Medical Technology

GARY

Methodist Hospital of Gary

BERNDT, CHARLOTTE, B.S. (Valparaiso University, 1965), M.T. (ASCP, 1966), Lecturer in Medical Technology

CHAMBERLAIN, CHARLENE, M.S. (North Texas State University, 1970), M.T. (ASCP, 1963), Lecturer in Medical Technology

HAN, DANIEL, M.D. (National Honan University, China, 1949), Associate Director and Pathologist

JOHNSON, MARTHA, A.B. (Indiana University), M.T. (ASCP, 1940), Lecturer in Medical Technology

LOH, H. Y. CHANG, M.D. (Yale-in-China Medical School, 1944), M.S. in Pathology (University of Utah, 1952), Ph.D. in Pathology (Boston University, 1956), Part-time Pathologist

LOH, WEI-PING, M.D. (National Medical College of Shanghai, China, 1946), M.P.H. (University of Michigan, 1950), Ph.D. (Boston University, 1954), Director, and Chief Pathologist, Methodist Hospital of Gary, Inc.; Associate Professor of Pathology, Chicago Medical School

LUTTINEN, THELMA, A.B. (Olivet College, 1935), M.T. (ASCP, 1938), Lecturer in Medical Technology

McBRIDE, DEANE, M.T. (ASCP, 1933), Educational Coordinator and Lecturer in Medical Technology

MARSHALL, HELEN, B.S. (Marian College, Indiana, 1967), M.T. (ASCP, 1967), Lecturer in Medical Technology

SOHANEY, JOAN, M.S. (Valparaiso University, 1970), M.T. (ASCP, 1959), Technical Director of Laboratory

SOMANI, I. K., M.B. (Agra University, India, 1954), M.D. (Vikram University, India, 1958), Junior Pathologist

WASSEROTT, EDNA, M.T. (ASCP, 1956), Lecturer in Medical Technology

WELLS, ETHEL, M.S. (Ball State University, 1968), M.T. (ASCP, 1968), Lecturer in Medical Technology

St. Mary Mercy Hospital

ALMIRANEZ, CHARLOTTE, C.T. (ASCP, 1965), Chief Cytotechnologist

ANDREW, CAROL, B.S. (Indiana University, 1970), S.H. (ASCP, 1973), Chief Technologist in Hematology

BLASTICK, RITA, A.M. (University of Notre Dame, 1970), M.T. (ASCP, 1964), Teaching Supervisor, and Instructor in Medical Technology

CAPLIS, MICHAEL E., Ph.D. (Purdue University, 1970), Instructor in Medical Technology

DEMITROULAS, SUE, B.S. (Culver Stockton College, 1964), M.T. (ASCP, 1966), Chief Technologist in Blood Bank

DOLAN, TIMOTHY, Ph.D. (University of North Dakota, 1971), Director of Microbiology

HUANG, TSAU, M.D. (Kaohsiung Medical College, 1965), Anatomical Pathology

KEELEN, RONALD, A.M. (Fairleigh Dickenson University, 1969), M.T. (ASCP, 1971), Laboratory Manager

LIBER, MARIA, B.S. (Heidelberg University, Germany, 1947), M.T. (ASCP, 1965), Lecturer in Medical Technology

MARTIN, JOHN, M.S. (Northern Illinois University, 1973), Chief Chemist

- MASON, EARL J., M.D. (Case Western Reserve University, 1954), Director of the School of Medical Technology and Pathologist
 MASON, EILEEN, B.S. (Purdue University, 1965), M.T. (ASCP, 1966), Lecturer in Medical Technology
 PAZEL, JULIANNA, R.T. (N.M.T.) ARRT, 1972, Technological Nuclear Medicine
 PRYGOSKY, BERNADINE, B.S. (Indiana University, 1970), M.T. (ASCP, 1970), Senior Technologist in Biochemistry

INDIANAPOLIS Methodist Hospital

- BHATTI, MARTHA, Ph.D. (Purdue University, 1968), Lecturer in Medical Technology
 DEROSI, ROBERT V., M.D. (Johns Hopkins University, 1963), Pathologist
 DOW, GRACE, B.S. (University of Louisville, 1966), (ASCP, 1969), Instructor
 DRIVER, ROBIENETTA, A.M. (Indiana Central College, 1971), M.T. (ASCP, 1960), Education Coordinator
 EICHLIN, CATHERYN, B.S. (Indiana University, 1970), M.T. (ASCP, 1970), Instructor
 ERTTEL, JOYCE, B.S. (Franklin College, 1965), M.T. (ASCP, 1966), Assistant Education Coordinator
 EVANS, PAUL V., M.D. (Indiana University, 1940), Pathologist
 GERMAN, RUTH, B.S. (Purdue University, 1933), M.T. (ASCP, 1935), Instructor in Medical Technology
 HART, CAROLINE, B.S. (Bennet College, 1963), M.T. (ASCP, 1964), Instructor in Medical Technology
 HOUSER, DUANE, M.D. (Indiana University, 1965), Lecturer in Medical Technology
 HOYT, LESTER H., M.D. (University of Iowa, 1937), Medical Director
 HURTEAU, WILLIAM W., M.D. (University of Iowa, 1937), Pathologist
 MACKENZIE, J. ROSS, M.D. (University of Aberdeen, Scotland, 1946), Pathologist
 McNABB, BARBOT, B.S. (University of Arkansas, 1969), M.T. (ASCP, 1965), Instructor in Medical Technology
 PONTIUS, EDWIN E., M.D. (Indiana University, 1952), Pathologist
 SCHULZ, DALE M., M.D. (Washington University, 1949), Pathologist
 SINGH, CHANDRABHAN, M.D. (University of British West Indies, 1968), Lecturer in Medical Technology
 SMITH, DAVID E., M.D. (University of Texas, 1963), Pathologist
 WHITLOCK, GLORIA, B.S. (Indiana State University, 1970), M.T. (ASCP, 1970), Instructor

St. Vincent Hospital

- BAYLESS, MRS. SUE, B.S. (Marian College, 1964), M.T. (ASCP, 1964), Microbiology Supervisor
 BELL, MRS. JUDY, B.S. (University of Wyoming, 1965), M.T. (ASCP, 1965), M.T. (ASCP-BB, 1971), Blood Bank Supervisor
 CARD, WILLIAM H., M.D. (University of Wisconsin, 1954), Clinical Pathologist
 CHOY, BONGKI, B.S. (Yonsei University, Korea, 1964), M.T. (ASCP, 1968), Auto Analyzer Specialist
 FOSTER, LEE N., M.D. (Northwestern University, 1943), Medical Director of School of Medical Technology, Director of Laboratories
 HESSONG, ALAN, As. Sc. (International Telephone and Telegraph, 1967), Chemistry Supervisor
 LEONARD, DENNIS, A.B. (Marian College, 1965), M.T. (ASCP, 1966), Laboratory Manager
 MULLER, VICTOR H., M.D. (Indiana University, 1953), Medical Director of Community Blood Bank; Associate Pathologist, Immunohematology
 RUCH, MRS. BETTY, B.S. (Indiana University, 1954), M.T. (ASCP, 1954), Coagulation Technologist
 SCHOOMER, MRS. MARY, B.S. (Mary Hardin Baylor College, 1948), M.T. (ASCP, 1948), Chemistry Technologist
 SMITH, MISS NANCY, B.S. (Indiana University, 1968), M.T. (ASCP, 1968), Hematology Senior Technologist

STANLEY, MISS ANNAMAE, B.S. (Indiana State University, 1965), M.T. (ASCP, 1965), Chemistry Senior Technologist

SULLIVAN, JAMES J., M.D. (Indiana University, 1953), Anatomic Pathologist

WESTERMAN, MISS JANE, B.S. (Marian College, 1967), M.T. (ASCP, 1967), Educational Coordinator, School of Medical Technology

KOKOMO

St. Joseph Memorial Hospital and Howard Community Hospital

BOSCH, MARY ANN, A.B. (College of Mount St. Joseph, 1962), M.T. (ASCP, 1962), Medical Technologist

BOYD, DONNA, B.S. (Evansville College, 1968), M.T. (ASCP), Medical Technologist

CLEVINGER, WILLIAM G., M.D. (Indiana University, 1944), Pathologist

FIELDS, ROBERT, M.T. (ASCP, 1951), B.B. (ASCP, 1951), Medical Technologist

FISHER, JOSEPH, M.T. (ASCP, 1958), Medical Technologist

HARI, GYANESHWAR, M.S. (Punjab Agricultural College, India, 1969), M.T. (ASCP, 1971), Medical Technologist

HARSHMAN, JAMES A., M.D. (Indiana University, 1955), Pathologist

RICHARDS, GARNET, B.S. (University of Nebraska, 1965), M.T. (ASCP, 1962), Medical Technologist

RUDICEL, MAX W., M.D. (Indiana University, 1943), Program Director and Pathologist

RUSH, JOYCE, B.S. (Kent State University, 1963), M.T. (ASCP, 1964), Medical Technologist

WALL, CONSTANCE, A.B. (Syracuse University, 1948), M.T. (ASCP, 1965), Education Coordinator and Medical Technologist

SOUTH BEND

South Bend Medical Foundation

ACKART, THOMAS E., B.S. (University of Notre Dame, 1964), Lecturer in Medical Technology

ANASTASIO, MRS. CAROL FUTTERKNECHT, B.S. (Saint Mary's College, 1962), M.T. (ASCP, 1962), Lecturer in Medical Technology

BAHLER, JAMES E., M.S. (Purdue University, 1950), Instructor in Medical Technology

BARBOUR, MRS. MARILYN R., B.S. (Bethel College, 1972), M.T. (ASCP, 1972), Lecturer in Medical Technology

BENNETT, JENE RICHARD, M.D. (Indiana University, 1940), Director of the South Bend Medical Foundation School of Medical Technology and Assistant Professor of Medical Technology

BERNDT, JOAN G., B.S. (Saint Mary's College, 1965), M.T. (ASCP, 1958), Lecturer in Medical Technology

BONDO, PAUL B., M.S. (University of Nebraska, 1971), Instructor in Medical Technology

BYERS, MRS. BETTY J., B.S. (Indiana University, 1948), M.T. (ASCP, 1948), N.M.T. (1967), Lecturer in Medical Technology and Nuclear Medicine Technology

FAWCETT, KENNETH J., M.D. (University of Michigan, 1961), Assistant Professor of Medical Technology

GAGLE, SANDRA L., B.S. (Indiana University, 1970), M.T. (ASCP, 1970), Lecturer in Medical Technology

GALUP, LUIS NEMESIO, M.D. (Universidad Nacional Mayor de San Marcos, Peru, 1963), Assistant Professor of Medical Technology

GODERSKY, LOIS GARNET, M.D. (Indiana University, 1942), Assistant Professor of Medical Technology

GOODHEW, CAROL M., B.S. (Saint Mary's College, 1967), M.T. (ASCP, 1957), Lecturer in Medical Technology

HAGAN, BERNADINE, M.S. (University of Illinois, 1937), M.T. (ASCP, 1938), Medical Technology Education Coordinator and Instructor in Medical Technology

HEET, ALOYSIOUS H., Lecturer in Parasitology

HEET, MRS. DOROTHY T., M.T. (ASCP, 1951), Lecturer in Medical Technology

HUSSEY, LAWRENCE K., M.T. (Northwestern University, 1965), Assistant Professor of Medical Technology

- KANOUSE, MRS. JANE, B.S. (Indiana University, 1972), M.T. (ASCP, 1972), Lecturer in Medical Technology
- KOLASINSKI, MRS. KATHLEEN, B.S. (Mary Manse College, 1962), M.T. (ASCP, 1962), Lecturer in Medical Technology
- KOZAK, CATHERINE M., Ph.D. (University of Notre Dame, 1969), Instructor in Medical Technology
- LUST, DORIT E., B.S. (Indiana University, 1949), M.T. (ASCP, 1949), B.B. (1956), Lecturer in Medical Technology
- MARKEY, RAYMOND L., Lecturer in Parasitology
- MARTENS, GEORGE V., B.S. (Rutger's University, 1968), M.T. (ASCP, 1972), Lecturer in Medical Technology
- PASCUZZI, CHRIS A., M.D. (Creighton University, 1950), Assistant Professor of Medical Technology
- QUINN, MICHAEL G., M.D. (University of Miami, 1965), Assistant Professor of Medical Technology
- SISSON, NORVEL D., M.D. (University of Minnesota, 1952), Assistant Professor of Medical Technology
- STRAUP, NEWTON F., M.S. (University of Notre Dame, 1967), M.T. (ASCP, 1954), N.M.T. (1966), Instructor in Medical Technology
- THOMA, JERRY J., M.S. (University of Notre Dame, 1971), Instructor in Medical Technology
- WENDLAND, PHYLLIS E., M.T. (ASCP, 1950), Lecturer in Medical Technology
- WINSTEAD, MARTHA E., M.S. (Indiana University, 1968), M.T. (ASCP, 1940), B.B. (1956), Instructor in Medical Technology

AFFILIATED LECTURERS

- ARNOLD, GERALDINE, A.B. (Butler University, 1956), R.P.T. (University of Iowa, 1945), Chief Physical Therapist, Veterans Administration Hospital, Indianapolis
- ARNOLD, IOLA, A.B. (Florida State University, 1957), R.R.A. (1960), Chief Medical Record Administrator, University Kentucky Hospital, Lexington, Kentucky
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