

Indiana University Bulletin

ANNOUNCEMENTS, 1954-55

Training School for Nurses

Basic Programs in Nursing

6D



Calendar, 1954-55

Indianapolis Campus—Medical Center

August 23.....	Monday.....	Preclinical period begins.
September 7.....	Tuesday.....	First semester begins (upper classes).
November 24.....	Wednesday.....	Thanksgiving recess begins.
November 29.....	Monday.....	Thanksgiving recess ends.
December 18.....	Saturday.....	Christmas recess begins.
January 3.....	Monday.....	Christmas recess ends.
January 15.....	Saturday.....	First semester ends.
January 17.....	Monday.....	Second semester begins (upper classes).
February 19.....	Saturday.....	Preclinical period ends.
June 11.....	Saturday.....	Second semester ends (upper classes).
June 15-19.....	Tuesday-Saturday....	Orientation period (degree students only).
June 21.....	Monday.....	Summer session begins (degree students only).
July 11-16.....	Monday-Saturday....	Orientation period.
August 8-13.....	Monday-Saturday....	Orientation period.
August 20.....	Saturday.....	Summer session ends.

INDIANA UNIVERSITY BULLETIN

(OFFICIAL SERIES)

Entered as second-class mail matter, January 28, 1916, at the post office at Bloomington, Indiana, under the Act of August 24, 1912. Published thirty times a year (four times each in January, February, March; three times each in April, May, June; twice each in July, August, December; monthly in September, October, November), by Indiana University from the University Office, Bloomington, Indiana.

Vol. LII, No. 14

Bloomington, Indiana

April 20, 1954

Bulletin
of the
Training School for Nurses

Indiana University
Bloomington, Indiana

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Training School for Nurses Staff, 1953-54

GENERAL ADMINISTRATIVE OFFICERS

- HERMAN B WELLS, A.M., LL.D., President of the University.
- WILLIAM LOWE BRYAN, Ph.D., LL.D., L.H.D., President Emeritus of the University.
- HERMAN THOMPSON BRISCOE, Ph.D., Vice-President, and Dean of the Faculties.
- JOSEPH AMOS FRANKLIN, B.S., Vice-President, and Treasurer.
- JOHN WILLIAM ASHTON, Ph.D., LL.D., Vice-President, and Dean of Student and Educational Services.
- WENDELL WILLIAM WRIGHT, Ph.D., Vice-President, and Director of Administrative Studies and Institutional Relations.
- CHARLES EDWIN HARRELL, A.B., LL.B., Registrar, and Director of the Office of Records and Admissions.
- FRANK THOMSON GUCKER, JR., Ph.D., Dean of the College of Arts and Sciences (on leave of absence, second semester, 1953-54).
- PRESSLY SPINKS SIKES, Ph.D., Dean of the Junior Division.
- JOHN DITMARS VANNUYS, A.B., M.D., Dean of the School of Medicine.
- CRYSTAL ROSE ANN HALSTEAD, B.S., Acting Director of the Training School for Nurses.

ADMINISTRATIVE AND INSTRUCTIONAL STAFF

- CRYSTAL ROSE ANN HALSTEAD, Acting Director of the Training School for Nurses, and Assistant Professor.
Graduate, Indiana University Training School for Nurses, 1932; B.S., Indiana University, 1949.
- (Mrs.) BEATRICE STERN MILLER, Assistant Director of Nursing Education, and Assistant Professor.
Graduate, St. Margaret's Hospital School of Nursing (Hammond, Ind.), 1942; B.S., Indiana University, 1947; M.S. in Ed., 1949; Ed.D., 1952.
- JOANNE GERTRUDE GUENDLING, Instructor.
Graduate, St. Mary's College School of Nursing (Notre Dame, Ind.), 1948; B.S., St. Mary's College, 1948.
- (Mrs.) RUTH ESTHER TEMPLETON KIRKPATRICK, Instructor.
Graduate, Indiana University Training School for Nurses, 1944; B.S., Indiana University, 1949.
- (Mrs.) JOAN WHITEHOUSE NICHOLAS, Instructor.
Graduate, University of Colorado School of Nursing (Denver and Boulder, Colo.), 1953; B.S., University of Colorado, 1953.
- MARILYN OGDEN, Instructor.
Graduate, Medical College of Virginia School of Nursing (Richmond, Va.), 1952; B.S., Medical College of Virginia, 1952.
- HAROLD RALPH ONYETT, Instructor.
A.B., Indiana University, 1949; M.S., 1950; M.D., 1953.
- (Mrs.) HELEN PON ONYETT, Instructor (second semester, 1953-54).
Graduate, Waterbury Hospital School of Nursing (Waterbury, Conn.), 1939; B.S., Butler University, 1950.

DORCAS IRENE ROCK, Director of Counseling and Student Activities, and Instructor.

A.B., Butler University, 1927; M.S., 1953.

JEANNE GRIEB STAMBAUGH, Instructor.

Graduate, Presbyterian Hospital School of Nursing (New York, N.Y.), 1942; B.S., Columbia University, 1942.

MAY VIOLET WILSON, Instructor.

Graduate, Cleveland City Hospital School of Nursing (Cleveland, Ohio), 1947; B.S., Ohio State University, 1950.

BERNICE HARTZ, Assistant Director of Nursing Service, and Supervisor of Medical and Surgical Nursing of Adults, Robert W. Long Hospital.

Graduate, City Hospital School of Nursing (Indianapolis, Ind.), 1918.

EDNA HAUGK, Assistant Director of Nursing Service, and Supervisor of Obstetrical Nursing, William H. Coleman Hospital for Women.

Graduate, Indiana University Training School for Nurses, 1930.

MARY ELIZABETH HECKARD, Assistant Director of Nursing Service, and Supervisor of Medical and Surgical Nursing of Children, James Whitcomb Riley Hospital for Children.

Graduate, Indiana University Training School for Nurses, 1921.

(Mrs.) **THELMA RICHARDSON**, Assistant Supervisor of Nursing, Robert W. Long Hospital.

Graduate, School of Nursing, Retreat for the Sick (Richmond, Va.), 1926.

(Mrs.) **EDYTHE MAE COLLINGS**, Assistant Supervisor of Nursing, James Whitcomb Riley Hospital for Children.

Graduate, Springfield City Hospital School of Nursing (Springfield, Ohio), 1946; B.S., Indiana University, 1952.

GERTRUDE CAROLINE BLUEMEL, Evening Supervisor, Robert W. Long Hospital.

Graduate, Indiana University Training School for Nurses, 1948.

(Mrs.) **ANNA SHAFFSTALL**, Evening Supervisor, William H. Coleman Hospital for Women.

Graduate, Indiana University Training School for Nurses, 1920.

(Mrs.) **RUBY TOMLINSON**, Evening Supervisor of Nursing, James Whitcomb Riley Hospital for Children.

Graduate, Indiana University Training School for Nurses, 1934.

VIRGINIA ADAMS, Assistant Evening Supervisor of Nursing, Robert W. Long Hospital.

Graduate, Indiana University Training School for Nurses, 1952.

(Mrs.) **JENNESS HATTON BAIRD**, Night Supervisor, Robert W. Long Hospital.

Graduate, Indiana University Training School for Nurses, 1927.

(Mrs.) **TREVA BELL STEWART**, Night Supervisor, William H. Coleman Hospital for Women (resigned February 7, 1954).

Graduate, Ball Memorial Hospital School of Nursing (Muncie, Ind.), 1932.

(Mrs.) **MARY OLEVIA SPANGLER**, Night Supervisor, William H. Coleman Hospital for Women.

Graduate, Muncie Home Hospital (Muncie, Ind.), 1928.

THORA GENTRY, Night Supervisor, James Whitcomb Riley Hospital for Children.

B.S., Manchester College, 1932; Graduate, Indiana University Training School for Nurses, 1939.

(Mrs.) **RUTH STOLTZ**, Assistant Night Supervisor, Robert W. Long Hospital.

Graduate, Allegheny General Hospital School of Nursing (Pittsburgh, Pa.), 1942; A.B., Valparaiso University, 1948.

LECTURERS

- JAMES STANLEY BATTERSBY, A.B., M.D., Assistant Professor of Surgery.
- THOMAS BRYANT BAUER, B.S., M.D., Assistant Professor of Plastic Surgery.
- ROY HERBERT BEHNKE, A.B., M.D., Instructor in Medicine.
- GEORGE SAMUEL BOND, A.B., M.D., Professor of Cardiology.
- LESLIE WILLARD FREEMAN, Ph.D., M.D., Director of the Surgical Experimental Laboratories, and Professor of Surgery.
- GEORGE JOSEPH GARCEAU, A.B., M.D., Orthopaedist to the Riley Hospital, and Chairman and Professor of Orthopaedic Surgery.
- ALETHEA M. GILLESPIE, B.S., M.S., Therapeutic Dietitian, and Instructor in Dietetics.
- JAMES HUBERT GOSMAN, B.S., M.D., Instructor in Dermatology and Syphilology.
- CARL HABICH, M.D., Professor of Gynecology.
- ROBERT F. HEIMBURGER, B.S., M.D., Director of the Section of Neurological Surgery, and Assistant Professor of Surgery.
- CARL PARKER HUBER, A.M., M.D., Chairman, and Professor of Obstetrics and Gynecology.
- BEATRICE LOUISE IRWIN, B.S., M.S., Assistant Director of the Department of Dietetics, Therapeutic Dietitian, and Assistant Professor of Home Economics.
- GLENN WARD IRWIN, B.S., M.D., Assistant Professor of Medicine.
- HERMAN WILLIAM KUNTZ, M.D., Assistant in Otorhinolaryngology.
- EDWIN ALONZO LAWRENCE, A.B., M.D., Cancer Co-ordinator, and Professor of Surgery.
- RACHEL M. LEHMAN, B.S., Instructor in Medical Technology.
- JAMES STANTON MCBRIDE, B.S., M.D., Associate in Medicine.
- MORTIMER MANN, B.S., M.D., Assistant Professor of Ophthalmology.
- CARL D. MARTZ, A.B., M.D., Assistant Professor of Orthopaedic Surgery.
- ROBERT JOHN MASTERS, B.S., M.D., Chairman, and Professor of Ophthalmology.
- LYMAN THOMPSON MEIKS, A.B., M.D., Chairman, and Professor of Pediatrics.
- JOHN HENRY OLIVER MERTZ, B.S., M.D., Assistant in Genitourinary Surgery.
- THOMAS CARLETON MOORE, A.B., M.D., Associate in Surgery (on leave of absence, 1953-54).
- ANDREW CARROLL OFFUTT, A.B., M.D., Director of Division of Communicable Disease Control, Indiana State Board of Health; Lecturer in Public Health.
- ROBERT HAROLD OSWALD, B.S., M.D., Instructor in Obstetrics and Gynecology.
- HAROLD RAIDT, B.S., M.S., Assistant Professor of Microbiology.
- JOHN ROBERT RUSSELL, M.S., M.D., Instructor in Surgery.

THEODORE FRANK SCHLAEGEL, JR., A.B., M.D., Assistant Professor of Ophthalmology.

DALE METHERD SCHULZ, A.B., M.S., M.D., Assistant Professor of Pathology.

HARRIS B. SHUMACKER, JR., B.S., A.M., M.D., Chairman, and Professor of Surgery.

EUZELIA CAMOLENE SMART, A.B., M.S., Director of the Social Service Department, Medical Center, and Assistant Professor of Social Service.

(Mrs.) HAZEL HANSFORD STEVENS, A.B., Ph.D., Clinical Psychologist, Medical Center.

SAMUEL R. WARSON, A.B., M.D., Director of the Child Guidance Clinic, and Professor of Psychiatry.

DWAIN NEWTON WALCHER, B.S., M.D., Associate Professor of Pediatrics.

FRED MADISON WILSON, A.B., M.D., Assistant Professor of Ophthalmology.

MATTHEW WINTERS, A.B., A.M., M.D., Professor of Pediatrics.

WILLIAM NILES WISHARD, JR., A.B., M.D. *cum laude*, Associate Professor of Genitourinary Surgery.

Training School for Nurses

HISTORICAL BACKGROUND

THE Indiana University Training School for Nurses was established in June, 1914, as a part of the School of Medicine at Indianapolis. Instruction and experience were provided in the Robert W. Long Hospital, the only building on the Indianapolis campus at that time. The James Whitcomb Riley Hospital for Children was built in 1924 and the William H. Coleman Hospital for Women in 1927. There have been three additions to the Riley Hospital: the Kiwanis Unit in 1929, the Rotary Convalescent Home in 1931, and a Research Unit for the Study of Children's Diseases in 1951.

Ball Residence, the gift of Ball Brothers of Muncie, for the benefit of all the University Hospitals, was constructed in 1928, and the Ball Residence Annex was built in 1945.

The Training School, as a part of the School of Medicine on the Indianapolis campus, has enjoyed the benefits which are to be found in such an environment, including clinical experience, instruction by members of the Medical School faculty, and the teaching atmosphere of such an institution.

The Student Union and Food Service Building was completed in 1953.

PHILOSOPHY AND PURPOSE

The general aim of the School is to prepare students for first-level positions in nursing. To this end three basic professional curricula are in effect—each having a particular purpose.

The objective of the three-year diploma program is to prepare nurses who are technically skilled in the care of the sick, and who have an understanding of health education and community resources and needs.

The four-year degree program, in addition to providing skill in care of the sick and a sound foundation in the principles of health education, includes the fundamentals of a liberal arts education, emphasizes citizenship concepts and communication skills. The objective of this curriculum is to prepare nurses for health service to individuals and their families in the hospital and in the community.

A five-year, four-month program is offered for students who are interested in a more extensive background in sciences and liberal arts.

We recommend that the graduate of any of the three basic professional curricula do at least one year of staff nursing under supervision.

From the beginning the School has favored a philosophy which requires broad educational foundations and high standards of scholarship as well as expert care of patients. To accomplish this aim, young women who have an interest in, and an aptitude for, nursing are care-

fully selected, and provided with instruction, experience, and guidance which will give them every opportunity for personal and professional growth.

ORGANIZATION OF COURSES

The Training School offers three courses of study to undergraduate students: a three-year program which leads to a diploma in nursing, a four-year program which leads to a B.S. in Nursing degree, and a five-year, four-month program which leads to a diploma in nursing and an A.B. degree. In addition, the School provides instruction and clinical experience in pediatrics, obstetrics, orthopedics, and communicable diseases to the students of ten schools of nursing.

ACCREDITATION

The Training School is accredited by the Indiana State Board of Nurses' Registration and Nursing Education, and an accreditation of the diploma program has been approved by the National Nursing Accrediting Service.

FACILITIES

The hospitals on the campus provide for a wide variety of experience in patient care and health education.

The Robert W. Long Hospital has facilities for 220 medical and surgical patients, outpatient clinics, and the necessary operating rooms, X ray, and central supply departments to care for such patients.

The James Whitcomb Riley Hospital has 207 beds to accommodate children. Included are divisions for the care of those suffering from communicable diseases and orthopaedic conditions.

The Rotary Convalescent Home provides special facilities such as the Cerebral Palsy Department, Child Guidance Clinic, Well Baby Clinic, Orthoptic Clinic, and Speech Therapy Clinic.

The William H. Coleman Hospital for Women has facilities to care for sixty mothers and their babies, and sixteen additional beds for gynecological patients.

The outpatient departments of the four University hospitals care for an average of 211 patients daily.

The educational division in Ball Residence includes lecture halls and nursing arts, science, and nutrition laboratories, with the equipment necessary to conduct a teaching program satisfactory to the standards of the School. There are comfortable living quarters for students and graduate nurses, including reception and recreation rooms, kitchenettes, laundries, gymnasium, and sundeck.

The School Library, located in the Ball Annex, contains 3,000 volumes of reference material as well as a generous supply of fiction and current magazines, both professional and popular. A qualified librarian is in charge. The facilities of the Medical School Library are also available to students of nursing.

The Student Union and Food Service Building provides food service, recreational facilities, and accommodations for guests for the entire campus. The University bookstore, beauty shop, barber shop, and swimming pool are housed in the same building.

GENERAL INFORMATION

Orientation Week. All applicants are required to spend an orientation period of one week at the Medical Center prior to acceptance. (For the students in the degree programs, orientation week is just prior to the period of clinical experience.) The student lives in the nurses' Residence, attends classes, tours the Medical Center campus, is given a physical examination, and takes the various tests to determine general aptitude for the profession. The final selection of students is made at the end of this week.

Health Service. A complete physical examination, including chest X ray, is given as part of the admission requirement to the School. The physical examinations are repeated annually and the chest X rays are repeated semiannually and whenever else needed.

A student health service is maintained under the supervision of the Medical Director of the Student Health Service. Medical care is provided by staff physicians through clinic consultation and hospitalization in an infirmary located in the Riley Hospital.

Time allowance for illness is granted up to fourteen days for the three-year period. Any additional loss must be made up before graduation.

Cocurricular Activities. The Alpha Chapter of Sigma Theta Tau, an honorary society, was established at the Indiana University Training School for Nurses in 1922. It is open to students who have completed one half of a professional program leading to a Baccalaureate degree, who are in the upper one third of their class group, who exhibit qualities of leadership, and who possess desirable personal qualifications.

A Student-Faculty Government organization exists for the purpose of encouraging self-government by students. It has the responsibility for citizenship in the Residence, social activities of the student groups, and general off-duty interests.

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

The campus chorus is open to all students enrolled in the Training School and in the Schools of Medicine and Dentistry. It provides special music for school and civic occasions.

The Inter-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.

Counseling. A Director of Counseling and Student Affairs is in charge of the counseling program. The student, by way of individual and group conferences, is aided toward her adjustment to the

environment and to the attainment of her personal goals. Each student is assigned to a faculty member who acts as her adviser throughout her course.

Grades. The following grading system is used: A, B, C, D, and F (failed). Students are expected to maintain an average of C in theory and in clinical practice. The faculty reserves the right to require the withdrawal at any time of a student whose health, conduct, academic standing, or personality makes her continuing in the School inadvisable.

If a student fails in one subject she is required to repeat that subject, provided her average for the term is not less than a C.

No second final examinations are permitted.

Fees and Expenses. The student receives full maintenance, including laundering of uniforms, during her residence on the Medical Center campus. Expenses will vary with the type of program and are listed under each.

Scholarships and Loan Funds. A number of scholarships and loans are available to students both on the Bloomington and the Medical Center campuses. For detailed information regarding scholarships and loans, consult the Director of Scholarships and Loans, Room 55, Administration Building, Indiana University, Bloomington, Indiana.

PROGRAMS AND PLANS OF INSTRUCTION

Diploma Program. This program is completed in three years.

Admission Requirements. EDUCATION. Graduation from high school with rank in the upper one third of the graduating class and successful completion of sixteen units of work in a commissioned high school or private school. Students who have attended college must have maintained a C average. Courses are to be distributed as follows:

English, preferably four years

Mathematics, two years—including one year of algebra

Chemistry, one year—with a minimum grade of C

Suggested electives: first aid, health education, home economics, Latin, physics, social science, speech, typing, zoology

AGE. Students entering the fall class must be eighteen years of age by November 1, of the year of enrollment.

ORIENTATION. All applicants are required to spend the aforementioned orientation period of one week at Medical Center prior to acceptance. The final selection is made at the end of this week.

Expenses. The student receives full maintenance, including uniform laundering, during her three years in the School. The approximate cost to the student for fees, books, uniforms, etc. for the three-year period is \$435, divided as follows:

TRAINING SCHOOL FOR NURSES

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FIRST YEAR			
<i>First Semester</i>		<i>Second Semester</i>	
Fee	\$ 25.50	Fee	\$ 25.50
Breakage deposit	5.00	*Books	10.00
State Registration fee	1.00	Uniforms, shoes, etc.	74.50
*Books	30.00	<i>American Journal of Nursing</i>	
Uniforms, shoes, etc.	75.00	(subscription)	3.00
	\$136.50		\$113.00
SECOND YEAR			
<i>Third Semester</i>		<i>Fourth Semester</i>	
Fee	\$ 25.50	Fee	\$ 25.50
*Books	10.00	*Books	10.00
	\$35.50	<i>American Journal of Nursing</i>	
		(subscription)	3.00
			\$ 38.50
THIRD YEAR			
<i>Fifth Semester</i>		<i>Sixth Semester</i>	
Fee	\$ 25.50	Fee	\$ 25.50
*Books	10.00	*Graduating Expenses	30.00
	\$35.50		\$ 55.50
		Public Health (elective)	15.00

Plan of Instruction. Classes are admitted in late August.

The curriculum is divided into an introductory or preclinical period and a clinical period.

<i>First Year—</i>	<i>Clock Hours of Theory</i>	<i>Credit Hours</i>	<i>Hours of Clinical Experience</i>
<i>Preclinical Term—</i>			
B201. Pharmacology and Therapeutics I ...	18	1	
D110. Anatomy and Physiology	112	4	
D120. Chemistry	72	3	
D130. Psychology (Applied)	36	2	
D140. First Aid and Emergency Nursing ..	22	1	
D150. Sociology	18	1	
D160. Drugs and Solutions	18	1	
D201. Professional Adjustments I	18	1	
D220. Introduction to General Nursing	180	6	100
D240. History of Nursing	18	1	
J200. Microbiology for Student Nurses ...	63	3	
M123. Nutrition, Foods, and Cookery	54	2	
<i>Weeks of Clinical Experience</i>			
<i>Second Semester—</i>			
B202. Pharmacology and Therapeutics II ..	18	1	
<i>Introduction to Medical Science</i>			
C200. Gross Pathology	18	1	
C210. Clinical Pathology	27	1½	
M200, M210. General Medicine, and Medical Nursing I	63	3½	20-24 (in 3 years)
M220. Medical Nursing II, Clinical Practice			
M230. Diet Therapy	36	2	
M235. Nutrition, Clinical Practice			6
S200, S210. General Surgery, and Surgical Nursing I	63	3½	20-24 (in 3 years)
S220. Surgical Nursing II, Clinical Practice			
<i>Second Year—</i>			
<i>First Semester—</i>			
E300. Ear, Nose, and Throat, and Nursing	9	½	
E310. Eye and Eye Nursing	9	½	
G300, G320. Obstetrics I, and Obstetrical Nursing	36	2	
G310. Gynecology and Nursing	12	½	
G330. Obstetrics II, Clinical Practice	9	3½	16
L300. Urology	9	½	
L310. Orthopaedics and Orthopaedic Nursing	18	1	
L320. Genitourinary Disease Nursing	9	½	
N300. Neurology and Neurological Nursing	18	1	
S300. Operating Room Technique	18	1	
S310. Operating Room, Clinical Practice			8

* Cost subject to change.

Second Semester—	<i>Clock Hours of Theory</i>	<i>Credit Hours</i>	<i>Weeks of Clinical Experience</i>
K300, K310. Pediatrics, and Pediatric Nursing I	36	2	16
M240, M330. Communicable Diseases I, and Nursing in Communicable Diseases	36	2	8
M300. Dermatology	9	1/2	
M310. Venereal Diseases	9	1/2	
M350. Tuberculosis and Tuberculosis Nursing	9	1/2	
 <i>Third Year—</i>			
D230. Nursing and Health Service in the Family	18	1	
D400. Social Problems in Nursing	18	1	
D402. Professional Adjustments II	36	2	
N400, N410. Psychiatry I, and Psychiatric Nursing	120	6	12 (by affiliation)

An additional one and one-half hours per week in clinical teaching on the hospital units is provided for each service.

The preclinical period of twenty-six weeks includes both theoretical courses and practical application which enable the student to become familiar with the campus and with nursing activities and to make an intelligent evaluation of her aptitude and interest. Upon its successful completion she receives the cap of the Training School.

The clinical period provides opportunity for theory and practice in the areas of medicine, surgery, obstetrics, pediatrics, and, by affiliation, psychiatry. An elective in public health is available for some students.

Formal courses are taught by lecture, discussion, group and individual projects, and the use of such audio-visual aids as moving pictures, charts, slides, and laboratory projects. Clinical classes on the hospital units and at the bedside are considered an important phase of the program.

Efforts are directed toward giving the student an appreciation of total care and a concept of the patient as an individual. Emphasis is placed upon prevention of illness and community responsibility for an adequate health program.

A forty-four-hour week including classes is maintained and twelve weeks' vacation is granted during the total program. Seven holidays or the equivalent are also granted yearly.

Graduation and Registration. Students successfully completing the course are granted the diploma of the School and are eligible to take the examinations of the Indiana State Board of Nurses' Registration and Nursing Education.

They are prepared for first-level positions in the major fields of nursing.

Application. Application forms and information are secured from the Office of the Director of Nursing, 1232 West Michigan Street, Indianapolis, Indiana.

Four-Year Degree Program. This program, which was introduced in 1950 and revised in 1953, leads to the degree B.S. in Nursing. The degree is awarded by the College of Arts and Sciences of Indiana University. The student spends the first year on the

Bloomington campus or in university work of an equivalent nature and three years at the Medical Center in Indianapolis.

Requirements. After successfully completing the prescribed courses on the Bloomington campus, or in university work of an equivalent nature, the student spends an orientation period of one week at the Medical Center to determine physical and personal qualifications for nursing. In order to qualify for the orientation period at the Medical Center, the student must have earned a grade of C or above in chemistry and must have maintained at least a C average for the work completed. (See General Information.)

Expenses. The expenses of the first year are those of any first-year college student. The expenses on the Bloomington campus, including maintenance, fees, and textbooks vary from \$750 to \$1,000 according to the manner of living.

During the three years at the Medical Center the student receives full maintenance and her stated expenses are similar to those for the diploma program with additional fees for affiliations and liberal arts courses. The total for the three years will be approximately \$750.

Plan of Instruction. Following the college or university work, the student is in residence on the Medical Center campus for the remainder of the program, beginning with the summer session.

The summer session and the first semester include both theoretical courses and practical application which enable the student to become familiar with nursing activities and to make an intelligent evaluation of her aptitude and interest. Upon successful completion of this work, the student receives the cap of the Training School.

The clinical period which follows provides opportunity for theory and practice in the areas of medicine, surgery, obstetrics, pediatrics, psychiatry, tuberculosis, and public health. When necessary, this experience will be provided through affiliation.

Formal courses are taught by lecture, discussion, projects, and the use of such audio-visual aids as moving pictures, charts, slides, and laboratory projects. Clinical classes on the hospital units and at the bedside are an important phase of the instruction.

Efforts are directed toward giving the student an appreciation of total care and a concept of the patient as an individual. Emphasis is placed upon the prevention of illness and community responsibility for an adequate health program.

A forty-four-hour week including classes is maintained and twelve weeks' vacation is granted during the three years. Seven holidays or the equivalent are also granted yearly.

Graduation and Registration. Upon successful completion of the course the student is eligible to take the examinations of the Indiana State Board of Nurses' Registration and Nursing Education and is granted a B.S. degree in Nursing. She is prepared for first-level positions in the main fields of nursing—institutional, private duty, and public health. In addition, she has the cultural background of a college preparation and is eligible to pursue a specialty on a Master's level.

Application. Students interested in this program make application to the Director of Admissions, Indiana University, Bloomington, Indiana.

First Year—Bloomington campus or transfer of equivalent from approved college or university—

First Semester—	Credit Hours
Anatomy A210. Elementary Human Anatomy.	5
Chemistry C101. A Descriptive Survey of Chemistry I	5
English W101. Elementary Composition I	2
Sociology S161. Principles of Sociology....	3
Physical Education	1

Second Semester—	Credit Hours
English W102. Elementary Composition II..	2
Physiology P104. Elementary Physiology...	5
Sociology S162. Society and the Individual..	3

Select one:

Biology B100. Man and the Biological World	5
or	
Botany B101. Plant Biology	5
or	
Chemistry C102. A Descriptive Survey of Chemistry II	5
or	
Physics P100. Descriptive Survey of Physics	5
or	
Zoology Z103. Animal Biology	5
Physical Education	1

Summer Session—at the Medical Center—	Clock Hours	Credit Hours
D160. Drugs and Solutions	18	1
D220. Introduction to General Nursing	180	6

Second, Third, and Fourth Years at the Medical Center—

First Semester—	Clock Hours	Credit Hours	Weeks of Clinical Practice
D140. First Aid and Emergency Nursing ..	22	1	
D201. Professional Adjustments I ..	18	1	
D240. History of Nursing	18	1	
English L101. Freshman Literature I		3	
English W103. Elementary Composition III		2	
M123. Nutrition, Foods, and Cookery	54	2	
Introduction to Medical Science			
J200. Microbiology for Student Nurses	63	3	
S300. Operating Room Technique	18	1	
Clinical Practice, including Clinical classes ..		1½	6

Second Semester—	Clock Hours	Credit Hours	Weeks of Clinical Practice
E201-B202. Pharmacology and Therapeutics I-II	36	2	
English L102. Freshman Literature II		3	
Introduction to Medical Science (continued)			
C200. Gross Pathology	18	1	
C210. Clinical Pathology	27	1½	
M200, M210. General Medicine, and Medical Nursing I	63	3½	
M230. Diet Therapy	36	2	
S200, S210. General Surgery, and Surgical Nursing I	63	3½	
Clinical Practice, including Clinical classes ..		1½	6

Summer Sessions—	Clock Hours	Credit Hours
Psychology P101. Introductory Psychology I..		3

Third Year—

First Semester—	Clock Hours	Credit Hours	Weeks of Clinical Practice
E300. Ear, Nose, and Throat, and Nursing..	9	½	
E310. Eye and Eye Nursing	9	½	
G300, G320. Obstetrics I, and Obstetrical Nursing	36	2	
G310. Gynecology and Nursing	12	½	
G330. Obstetrics II, Clinical Practice		3½	16
L300. Urology	9	½	

	<i>Clock Hours</i>	<i>Credit Hours</i>	<i>Weeks of Clinical Practice</i>
L310, L311. Orthopaedics, and Orthopaedic Nursing	18	1	
L320. Genitourinary Disease Nursing	9	1/2	
N300. Neurology and Neurological Nursing..	18	1	
Psychology P102. Introductory Psychology II.		3	
Clinical Practice, including Clinical classes		3	14
Second Semester—			
K300, K310. Pediatrics, and Pediatric Nursing I	36	2	
K320. Pediatric Nursing II, Clinical Practice		3	14
M240, M330. Communicable Diseases I, and Nursing in Communicable Diseases..	36	2	
M300. Dermatology	9	1/2	
M310. Venereal Diseases	9	1/2	
M340. Communicable Diseases II, Clinical Practice		1	4
M350. Tuberculosis and Nursing	9	1/2	
Philosophy P100. Introduction to Philosophy..		3	
Psychology P234. Mental Hygiene		3	
Clinical Practice, including Clinical classes		3	14
Summer Session—			
Geography G315. Conservation of Natural Resources ..		3	
or			
Sociology S309. The Community		3	
or			
a course of an equivalent nature in the field of Social Sciences			
Fourth Year—			
First Semester—			
D400. Social Problems in Nursing	18	1	
D410. Rural, Hospital, Health Center, and Urban Nursing	18	1	
D420. Public Health Nursing, Clinical Practice		2	6
N400, N410. Psychiatry I, and Psychiatric Nursing	120	6	
N420. Psychiatry II, Clinical Practice		3	12
Speech S121. Public Speaking I		2	
Second Semester—			
D402. Professional Adjustments II	36	2	
D440. Elective Clinical Practice in Nursing. Education N333. Administration in a Head Nurse Unit		3 1/2	16
or			
a course of an equivalent nature			
Philosophy P240. Ethics		3	
or			
Philosophy P250. Logic		3	
or			
Philosophy P347. Philosophy in Literature..		3	
or			
an equivalent course in the Humanities			

Five-Year, Four-Month Program. For students who wish a Bachelor of Arts degree, the College of Arts and Sciences offers a three-year program of prenursing work. Thirty credit hours of this program must be spent in residence on the Bloomington campus, after which the student spends two years and four months in the Indiana University Training School for Nurses. At the end of this program the nurses' diploma and the A.B. degree are granted.

All applicants must spend an orientation period of one week at the Medical Center before final acceptance in the Training School for

Nurses. This is scheduled following the college preparation and prior to clinical experience. (See Diploma Program.)

Information about this program can be obtained from the College of Arts and Sciences at Bloomington.

Courses of Instruction, 1954-55

A210. Elementary Human Anatomy. (5 cr.)

B101. Plant Biology. (5 cr.)

Fundamental principles of biology as illustrated by plants; characteristics of living matter, nutrition, growth, responses to environment, reproduction; basic principles of heredity.

B201-B202. Pharmacology and Therapeutics I-II. (36 hrs.) (2 cr.)

The study of drugs, including the methods of administration, preparation, dosage, expected action, therapeutic uses, and toxicology.

Chemistry C101. A Descriptive Survey of Chemistry I. (5 cr.)

For students who do not intend to continue chemistry beyond the first year. A study of the composition of matter and the laws governing its changes. At least two units of high school mathematics are recommended.

Chemistry C102. A Descriptive Survey of Chemistry II. (5 cr.)

Continuation of Chemistry C101. An introduction to organic chemistry and a survey of the simpler types of organic compounds. This course cannot be used as a prerequisite for any other course in chemistry.

C200. Introduction to Medical Science II: Gross Pathology. (18 hrs.) (1 cr.)

A study of the gross changes which take place in the human body during disease. Emphasis is placed upon the etiology, manner of development, and progress of a pathological process.

C210. Introduction to Medical Science I: Clinical Pathology. (27 hrs.) (1½ cr.)

A course designed to teach the student to understand the relation of diagnosis and diagnostic procedures to the nursing care of the patient. Emphasis is placed on the functional knowledge of nursing procedures associated with diagnosis and the principles regarding clinical examination of body fluids.

D110. Anatomy and Physiology. (112 hrs.) (4 cr.)

A course designed to give the students an understanding of the normal body structure and its functions. The selection of content has been made from the standpoint of developing physiological principles which the student requires for successful adjustment to nursing situations.

D120. Chemistry. (72 hrs.) (3 cr.)

This course includes content from the fields of general, organic, and physiological chemistry. An effort is made to apply a working knowledge of the principles of chemistry to nursing situations.

D130. Psychology (Applied). (36 hrs.) (2 cr.)

A study of the fundamental principles of human behavior and their importance in the adaptation of the student to nursing.

D140. First Aid and Emergency Nursing. (22 hrs.) (1 cr.)

A course designed to encourage the student to become safety conscious and to give her knowledge and skills which will enable her to meet emergency situations. An American Red Cross certificate is given on completion of the course.

D150. Sociology. (18 hrs.) (1 cr.)

An introduction to the basic concepts of sociology and a study of some of the outstanding social problems as they relate to nursing.

D160. Drugs and Solutions. (18 hrs.) (1 cr.)

A course which provides for review of arithmetic; principles and methods in computing dosages and drugs and content of solutions with practice in the preparation of solutions.

D201. Professional Adjustments I. (18 hrs.) (1 cr.)

A course dealing with professional ethics and obligations. Emphasis is placed on professional conduct and the nurse's responsibility in maintaining the standards of her profession.

D220. Introduction to General Nursing. (180 hrs.) (6 cr.)

A course offering the student an opportunity to learn and perfect routine nursing procedures and to enable her to adapt these procedures to clinical situations.

D230. Nursing and Health Service in the Family. (18 hrs.) (1 cr.)

A survey of various branches of public health services, their relationship to community living, and a consideration of current developments in the field.

D240. History of Nursing. (18 hrs.) (1 cr.)

A course designed to acquaint the student with her professional heritage and to build within her an appreciation for the social responsibilities which she inherits when she identifies herself with nursing as a profession.

D400. Social Problems in Nursing. (18 hrs.) (1 cr.)

The study of significant factors affecting the treatment and care of ill and disabled persons; a discussion of methods of helping the patient and his family to meet their social problems.

D402. Professional Adjustments II. (36 hrs.) (2 cr.)

A survey of the opportunities in the various fields of nursing, a study of professional organizations, and a consideration of the legal aspects of nursing. The course is designed to aid the senior student in choosing a special field of work.

D410. Rural, Hospital, Health Center, and Urban Nursing. (18 hrs.)
(1 cr.)

A course presenting the newer concepts of over-all plans for community health, including the nurse's opportunities and responsibilities.

D420. Public Health Nursing. Elective. (2 cr.)

A practical study of public health nursing. The student spends six weeks with the Visiting Nurse Association of Indianapolis, to get a firsthand view of the problems in public health and to become familiar with methods used by the public health nurse.

D440. Elective Clinical Practice in Nursing. (3½ cr.)

Available in the following fields: Medicine, Surgery, Psychiatry, Orthopaedics, Pediatrics, Obstetrics, Operating Room, and Communicable Diseases.

E300. Ear, Nose, and Throat, and Nursing. (9 hrs.) (½ cr.)

A study of the etiology, symptoms, treatment, prognosis, and complications of the diseases of the ear, nose, and throat, with emphasis placed upon the nursing care of these patients.

E310. Eye and Eye Nursing. (9 hrs.) (½ cr.)

A study of the etiology, symptoms, treatment, prognosis, and complications of the diseases of the eye, with emphasis placed upon the nursing care of eye patients.

G300. Obstetrics I. (18 hrs.) (1 cr.)

A study of the normal and abnormal conditions of pregnancy, parturition, puerperium, and the neonatal period.

G310. Gynecology and Nursing. (12 hrs.) ($\frac{1}{2}$ cr.)

A study of the etiology, symptoms, treatment, prognosis, and complications of abnormal and disease conditions of the female reproductive tract. A study of the nursing care of the gynecological patient.

Geography G315. Conservation of Natural Resources. (3 cr.)

Current problems in the wise utilization of soils, waters, mineral resources, and especially forests, fish, and game. Includes an introduction to land-use planning.

G320. Obstetrical Nursing. (18 hrs.) (1 cr.)

A study of the nursing care given to the obstetric patient and the newborn in normal and abnormal conditions. The course includes a study of the community aspects of maternal and infant health programs.

G330. Obstetrics II. ($3\frac{1}{2}$ cr.)

Clinical practice. Supervised practice in the care of mothers and babies, with experience in delivery rooms, nurseries, admitting room, and mothers' wards. Sixteen weeks.

J200. Microbiology for Student Nurses. (63 hrs.) (3 cr.)

A study of micro-organisms and their relation to health and disease. Emphasis on the relation of microbiology to diagnosis, treatment, prevention of disease, and to nursing care. The student acquires an understanding of the principles and procedures involved in asepsis, disinfection, sterilization, and isolation as they relate to nursing care.

K300. Pediatrics. (18 hrs.) (1 cr.)

Lectures which include growth and development of the normal child, and the symptoms, treatment, and prevention of diseases of infancy and childhood.

K310. Pediatric Nursing I. (18 hrs.) (1 cr.)

A study of the principles of nursing care as applied to the sick child, and of the principles of guidance and habit formation.

K320. Pediatric Nursing II. (3 cr.)

Clinical practice. Supervised experience in the care of children, including admitting room and clinics. Sixteen weeks.

English L101-L102. Freshman Literature I-II. (3-3 cr.)

A study of literary masterpieces from Homer's time to the present. The aims are: to teach thoughtful, intensive reading; to introduce the student to some of the aesthetic values inherent in literature; and to make the student aware of the enjoyment that may be derived from reading.

L300. Urology. (9 hrs.) ($\frac{1}{2}$ cr.)

A study of the etiology, symptoms, treatment, prognosis, and complications of the genitourinary diseases.

L310. Orthopaedics. (9 hrs.) ($\frac{1}{2}$ cr.)

Lectures planned to give the students an understanding of the etiology, symptoms, treatment, and prognosis of the more common orthopaedic disorders.

L311. Orthopaedic Nursing. (9 hrs.) ($\frac{1}{2}$ cr.)

An introduction to the principles of posture and body mechanics as applied to all nursing and health teaching and a study of the nursing care of the orthopaedic patient.

L320. Genitourinary Disease Nursing. (9 hrs.) ($\frac{1}{2}$ cr.)

A course in which emphasis is placed on the nursing care of the patient with a genitourinary disease.

M123. Nutrition, Foods, and Cookery. (54 hrs.) (2 cr.)

A study of the essentials of normal nutrition, food composition, and the basic methods of food preparation.

M200. General Medicine. (27 hrs.) ($\frac{1}{2}$ cr.)

A study, by systems, of the etiology, symptomatology, and treatment of general medical diseases.

M210. Medical Nursing I. (36 hrs.) (2 cr.)

A course, correlated with General Medicine, in which emphasis is placed upon the nursing care of the medical patient.

M220. Medical Nursing II. (6 cr.)

Clinical practice. Supervised practice in the care of medical patients, including dermatological conditions. Twenty to twenty-four weeks.

M230. Diet Therapy. (36 hrs.) (2 cr.)

A course designed to give an understanding of the modification of the normal diet in treatment of specific diseases.

M235. Nutrition. ($1\frac{1}{2}$ cr.)

Clinical practice. Supervised practice in the planning and serving of diets to patients, including the computation of special diets. Experience in the preparation of infant formulas. Six weeks.

M240. Communicable Diseases I. (18 hrs.) (1 cr.)

A study of the etiology, epidemiology, symptoms, treatment, and prevention of communicable diseases.

M300. Dermatology. (9 hrs.) ($\frac{1}{2}$ cr.)

A study of the etiology, symptomatology, and treatment of skin diseases.

M310. Venereal Diseases. (9 hrs.) ($\frac{1}{2}$ cr.)

A study of the etiology, symptomatology, treatment, and control of venereal diseases.

M320. Outpatient Clinical Practice. (3 cr.)

Supervised practice in the medical and surgical outpatient clinics. Six weeks.

M330. Nursing in Communicable Diseases. (18 hrs.) (1 cr.)

A course in which emphasis is placed on the nursing care of patients with communicable diseases. The course includes a study of medical aseptic technique and immunity.

M340. Communicable Diseases II. (1 cr.)

Clinical practice. Supervised practice in the care of patients with communicable diseases, including special isolation techniques. Four weeks.

M350. Tuberculosis and Nursing. (9 hrs.) ($\frac{1}{2}$ cr.)

A study of the etiology, symptomatology, and treatment of tuberculosis; the nursing care of the patient with tuberculosis.

N300. Neurology and Neurological Nursing. (18 hrs.) (1 cr.)

A study of the etiology, symptoms, treatment, prognosis, and complications of neurological diseases, with emphasis placed on the nursing care of the neurological patient.

Education N333. Administration in a Head Nurse Unit. (3 cr.)

Includes a study of basic principles, functions, methods, and problems related to the administration of a head nurse unit.

N400. Psychiatry I. (60 hrs.) (3 cr.)

A course which presents personality development, reaction patterns, and more common neuropsychiatric disorders.

N410. Psychiatric Nursing. (60 hrs.) (3 cr.)

A presentation of nursing procedures employed in the care of the psychiatric patient.

N420. Psychiatry II. (3 cr.)

Clinical practice. Supervised practice in the care of psychiatric patients at an affiliated institution. Twelve weeks.

Philosophy P100. Introduction to Philosophy. (3 cr.)

This course is planned to introduce the student to philosophical problems. The relations of philosophy to common sense, science, and religion are considered. Some attention is devoted to ethics. At least one philosophical classic, usually Plato's *Republic*, is read.

Physics P100. Descriptive Survey of Physics. (5 cr.)

A descriptive, nonmathematical course stressing practical applications of classical and modern physics. Textbook, laboratory work, excursion studies in commercial plants, clinics, airports, and other centers of applied physics. Cannot be substituted for physics courses explicitly designated in specified curricula. Four lectures and recitations and one two-hour laboratory period per week.

Psychology P101. Introductory Psychology I. (3 cr.)

Introductory survey of the field of general psychology.

Psychology P102. Introductory Psychology II. (3 cr.)

A continuation of the study of general introductory psychology with special reference to such fields as physiological, clinical, social, abnormal, industrial, and vocational psychology.

P104. Elementary Physiology. (5 cr.)

One-semester elementary course in human physiology, lectures and laboratory. Covers blood, circulation, respiration, digestion, metabolism, excretion, endocrines, muscles and nerves, special senses, and central nervous system.

Psychology P234. Mental Hygiene. (3 cr.)

Discussion of human behavior disorders and hypotheses concerning their etiology and treatment, emphasizing prevention.

Philosophy P240. Ethics. (3 cr.)

Ethics studies what is right and wrong in persons, the actions of persons, and the results produced by their actions. The course is limited to the more general part of this subject matter.

Philosophy P250. Logic. (3 cr.)

Study of the basic intellectual tools employed in processes of human knowing. The point of departure is traditional Aristotelian logic. The objective is to exhibit the relevance of elementary logical forms of thought to scientific and philosophical knowledge in general.

Philosophy P347. Philosophy in Literature. (3 cr.)

A survey of the major philosophical themes such as Platonism, Stoicism, skepticism, mysticism, etc., which appear and reappear in the course of Western literature.

Speech S121. Public Speaking I. (2 cr.)

A basic course in the theory and practice of public speaking, giving training in thought processes necessary to organized speech content, personality, components of effective delivery, use of voice, body, and language.

Sociology S161. Principles of Sociology. (3 cr.)

Factual description and theoretical interpretation of personality, group, class, community, institutions; processes in cultural change.

Sociology S162. Society and the Individual. (3 cr.)

Personality in relation to original equipment, communication, cultural conditioning; the social nature of behavior; individual differences; conflict and modification of attitudes and values; social control.

S200. General Surgery. (27 hrs.) (1½ cr.)

A course including the various units of general surgery and the surgical treatment of diseases. Emphasis is placed on observation of the patient and on essential points related to the preoperative and postoperative care of the patient.

S210. Surgical Nursing I. (36 hrs.) (2 cr.)

A course, correlated with general surgery, in which emphasis is placed upon the nursing care of the surgical patient.

S220. Surgical Nursing II. (6 cr.)

Clinical practice. Supervised practice in the care of surgical patients, including those with eye, ear, nose, and throat, gynecological, urological, and orthopaedic conditions. Twenty to twenty-four weeks.

S300. Operating Room Technique. (18 hrs.) (1 cr.)

A study of the principles of sterilization, aseptic technique, and care of operating room equipment. The course includes practical experience in the operating room.

Sociology S309. The Community. (3 cr.)

Survey of types of communities in various civilizations; analysis of the factors producing unity in the American community; ecological distribution of social phenomena in typical communities.

S310. Operating Room. (2 cr.)

Clinical practice. Supervised practice in preparation for, and in assisting with, surgical operations. Eight weeks.

English W101-W102-W103. Elementary Composition I-II-III.

(2-2-2 cr.)

A progressive course in written English beginning with the establishment of acceptable standards and the acquirement of fundamental skills in writing, and proceeding to intensive treatment of particular problems of exposition.

The administrators of the Training School for Nurses reserve the right to make any changes in fees, curriculum, or general plan which changing circumstances make desirable or necessary.

