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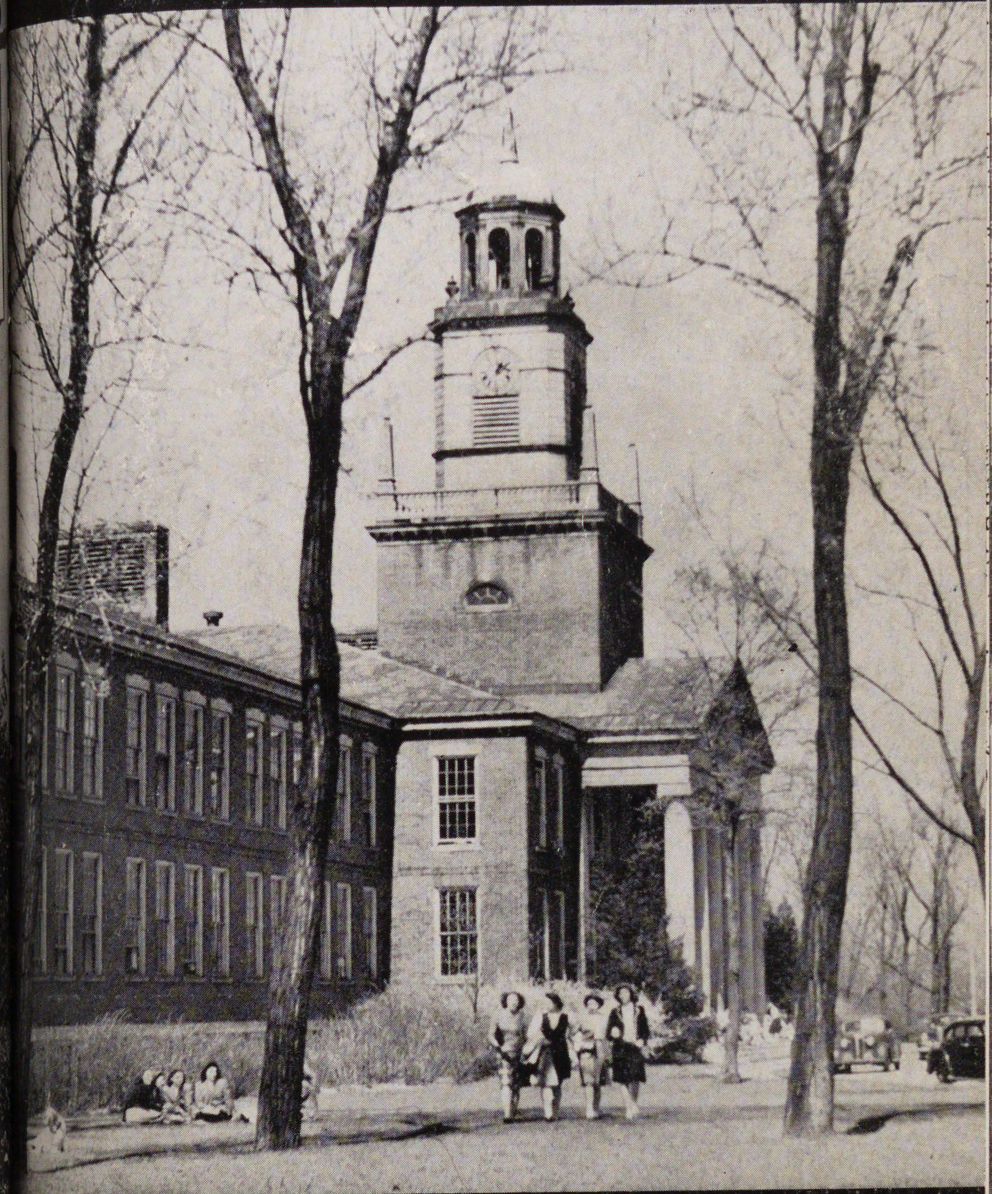
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NEW YORK STATE COLLEGE FOR TEACHERS BULLETIN

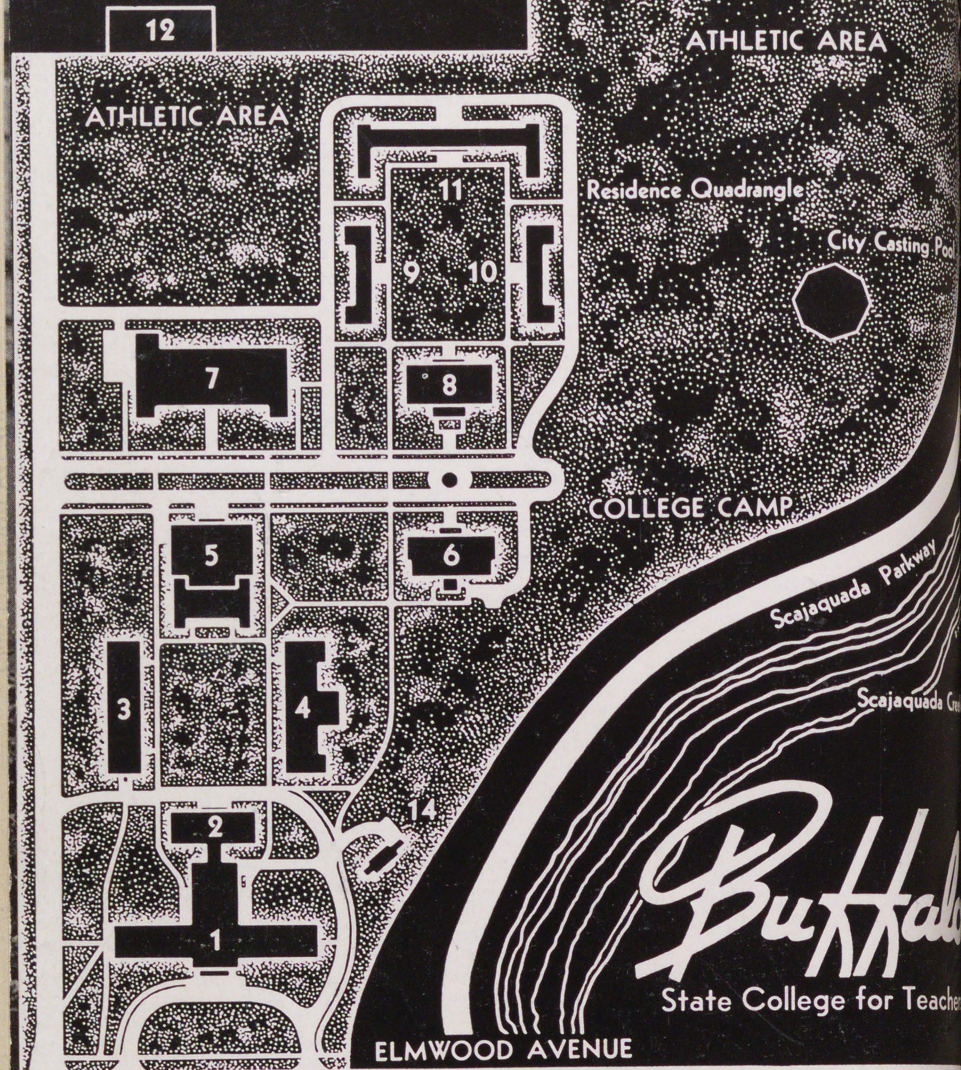
1947 • *Catalog Issue* • 1948



BUFFALO • NEW YORK

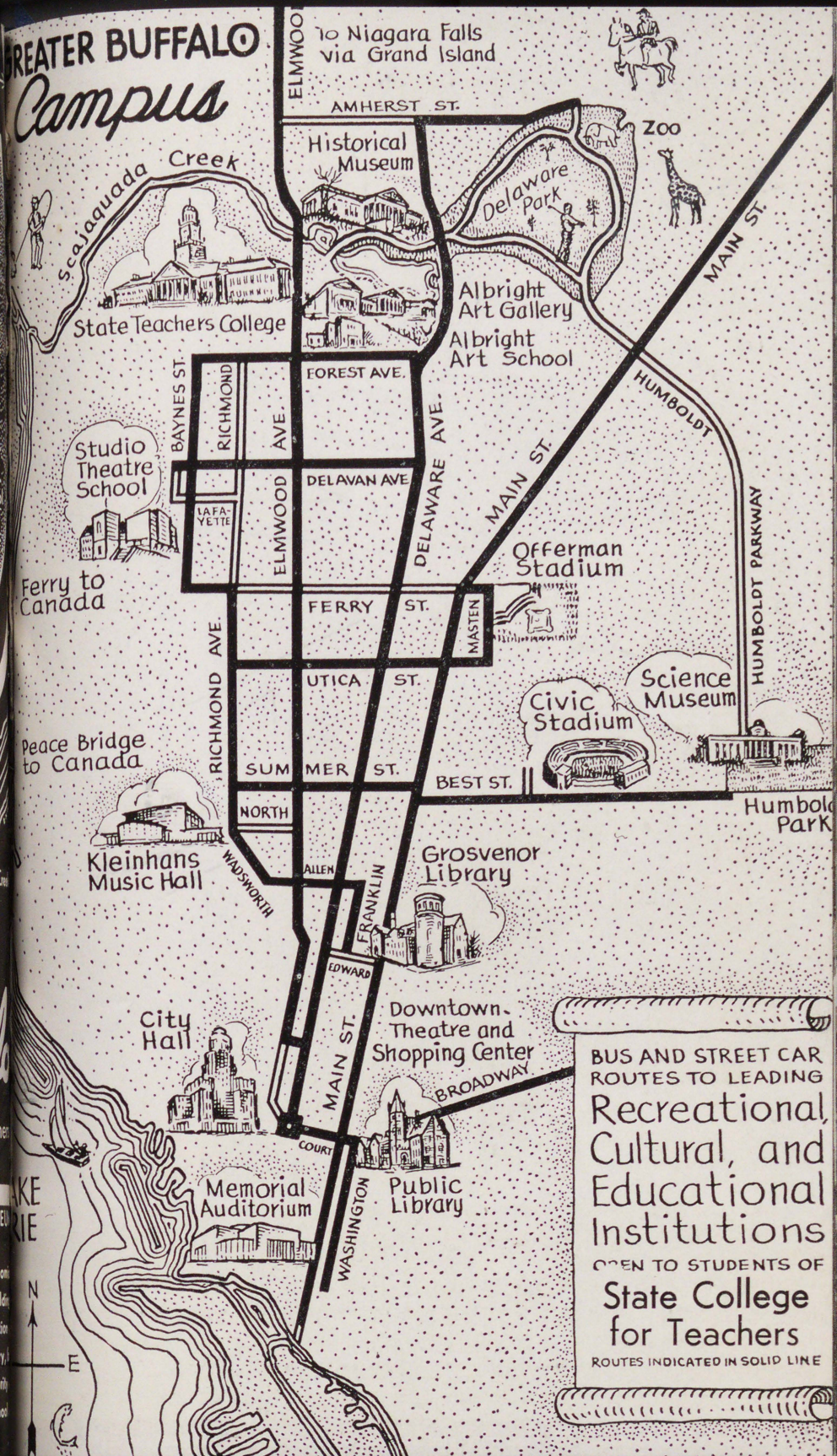
NEW CAMPUS WITH PRESENT AND PROPOSED BUILDINGS

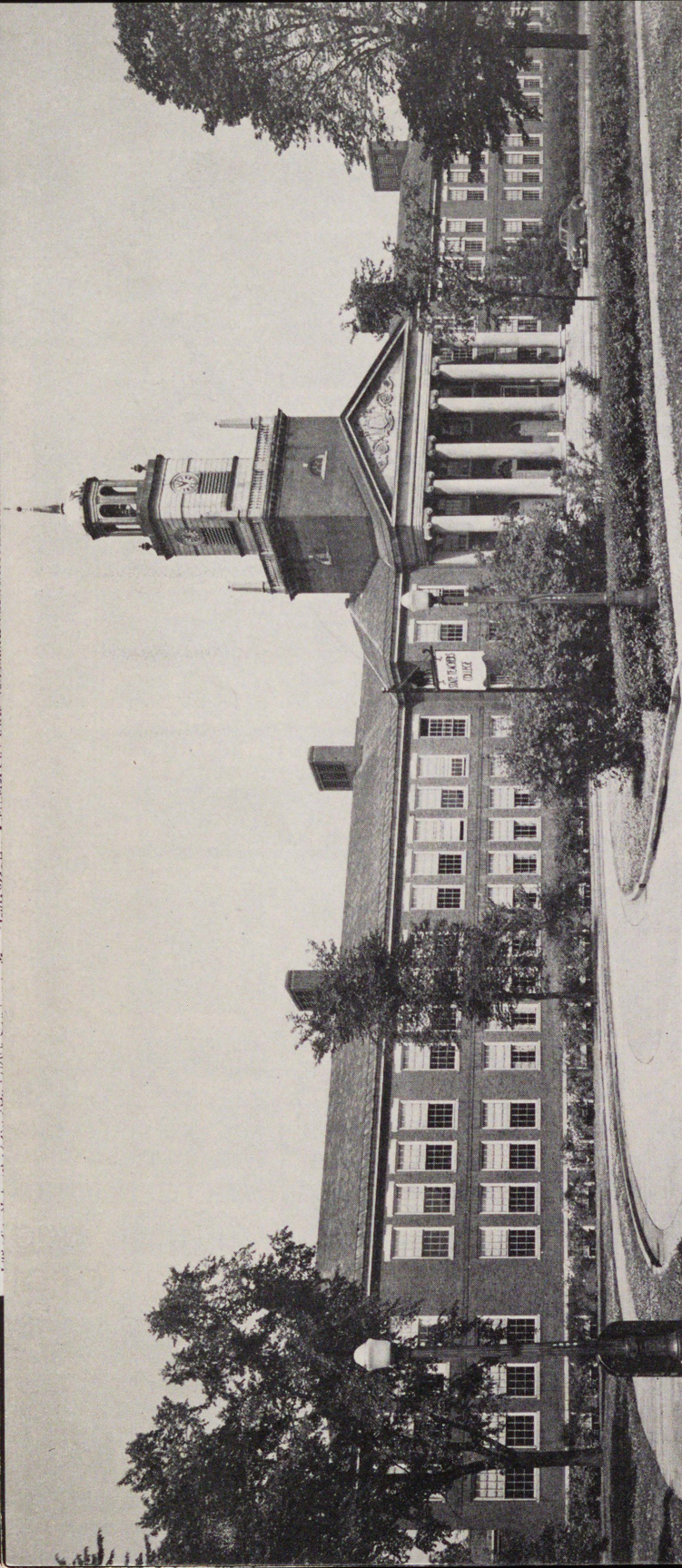
(City of Buffalo gave 35 additional
acres to College, February 6, 1945)



- ART SCHOOL ▲ ALBRIGHT ART GALLERY ▲ HISTORICAL MUSEUM
- 1 Main Building • 2 Science Building, approved for post war construction • 3 Home Economics Building • 4 School of Practice • 5 Gymnasium and proposed Addition • 6 Library Building, approved for post war construction • 7 Industrial Arts Building, approved for post war construction • 8 Possible Student Union • 9 Men's Dormitory, not yet approved • 10 Women's Dormitory, future consideration • 11 Women's Dormitory, tentatively approved by Dormitory Authority • 12 Power House, proposed to serve College and Hospital • 13 Affiliated Albright Art School • 14 President's Residence • 15 Fraternity and Sorority Houses located off campus

GREATER BUFFALO Campus

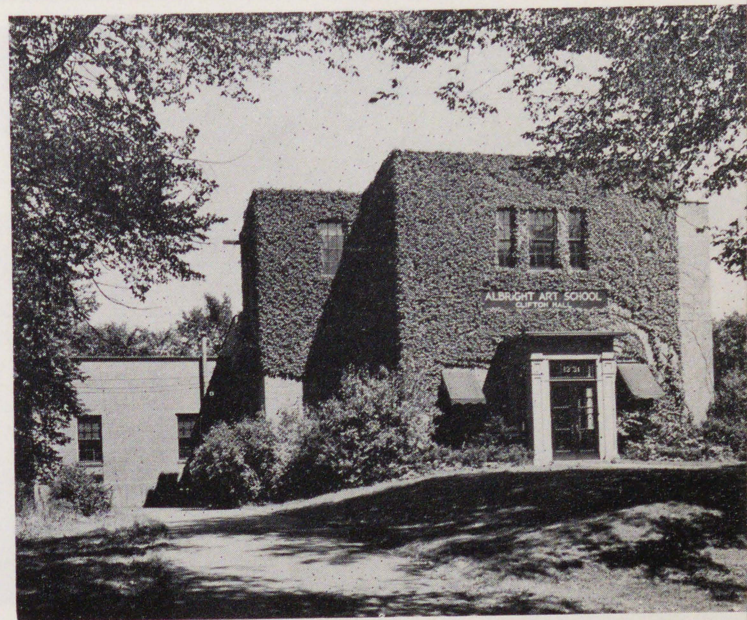




Administration and Classroom Building



BUFFALO, N. Y. 1922



BUILDINGS

Administration and
Classroom Building

President's Residence

School of Practice

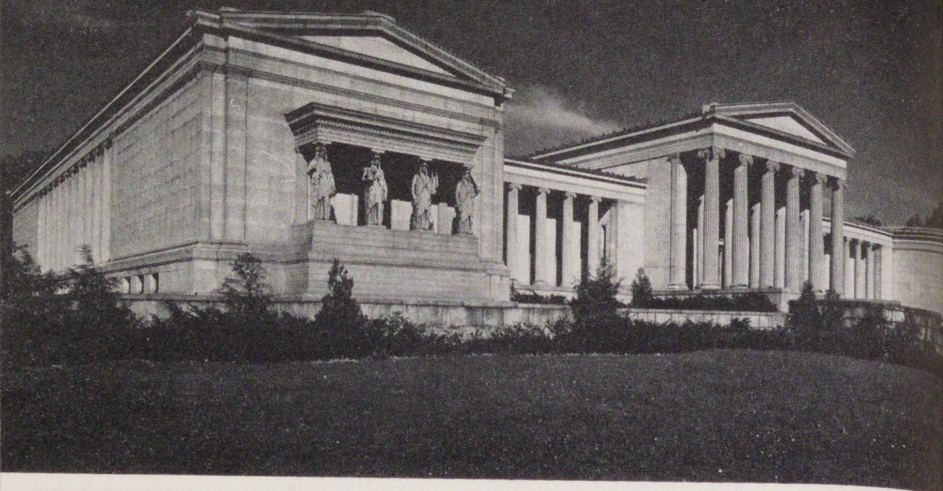
BUILDINGS

Vocational Building

Albright Art School

Gymnasium Building

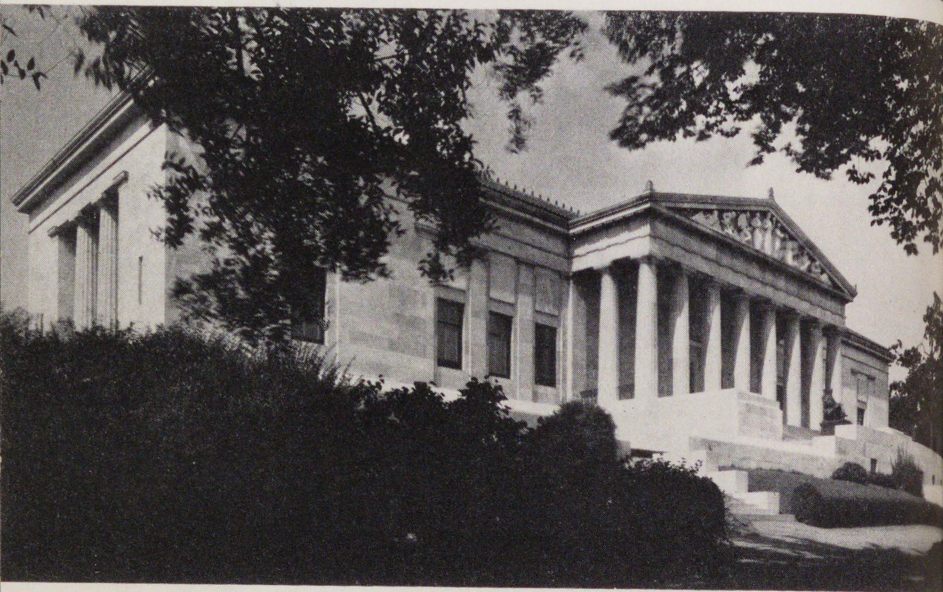
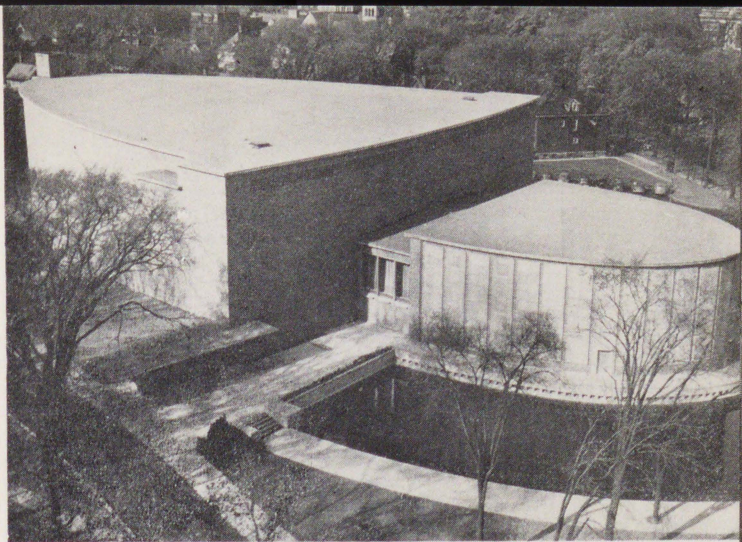
BUFFALO, N.Y. 1927



RESOURCES

Albright Art Gallery,
Opposite the Campus
Left, Top

Kleinhans Music Hall,
Center of Fine Music
Right, Top



Historical Museum,
Opposite the Campus
Left, Center

Grosvenor Reference
Library, One of the
Largest in the World
Right, Center



Museum of Science,
Open for Student Work
Left, Bottom

A Fine Public Library
Available to Students
Right, Bottom





ACTIVITIES ACTIVITIES

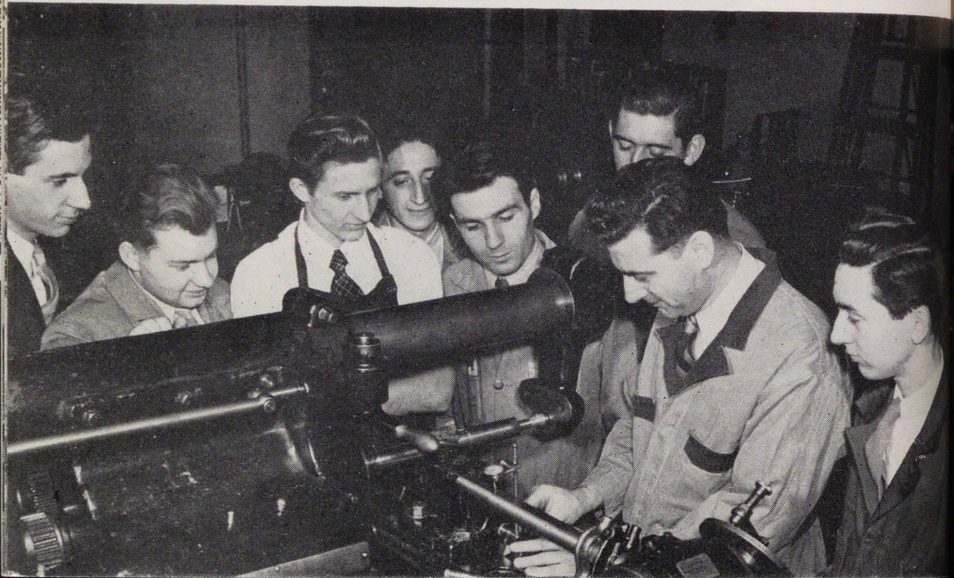
Learning by Teaching
Handicapped Children

Art Student Teacher
School of Practice



Industrial Arts Class

Chemistry Laboratory



BUFFALO, N. Y. 14222



Home Economics Class School of Practice



Design Class at the Albright Art School College Bookstore at Christmas-time



Making Up, College Dramatic Production One of Six Sororities Nationally Affiliated



ACTIVITIES

ACTIVITIES



ACTIVITIES

Cross Country Team
Left, Top

Winning in Basketball
Right, Top



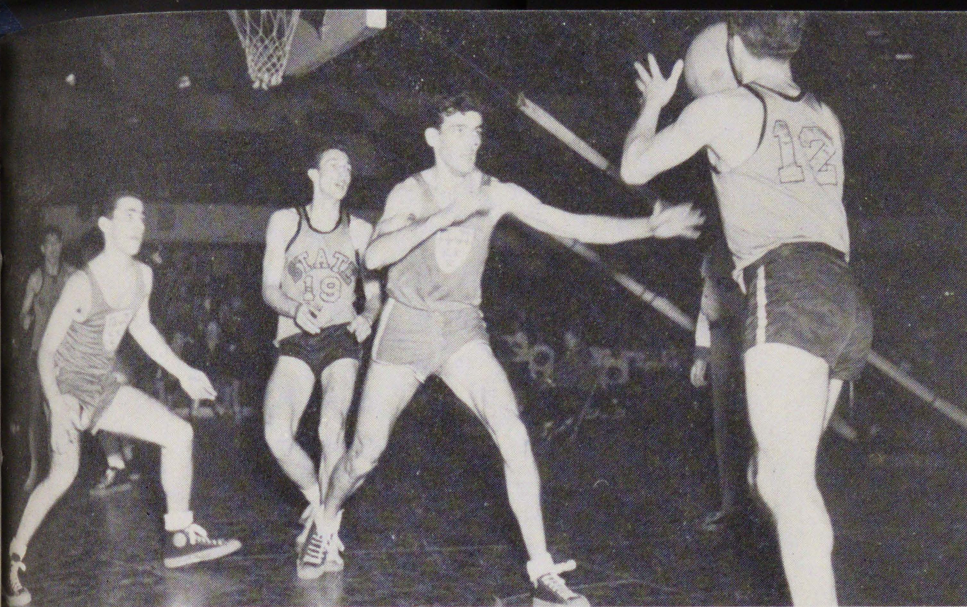
Swimming Instruction
Left, Center

Cheering for Victory
Right, Center



Fun in the Gymnasium
Left, Bottom

Soccer Team in Action
Right, Bottom

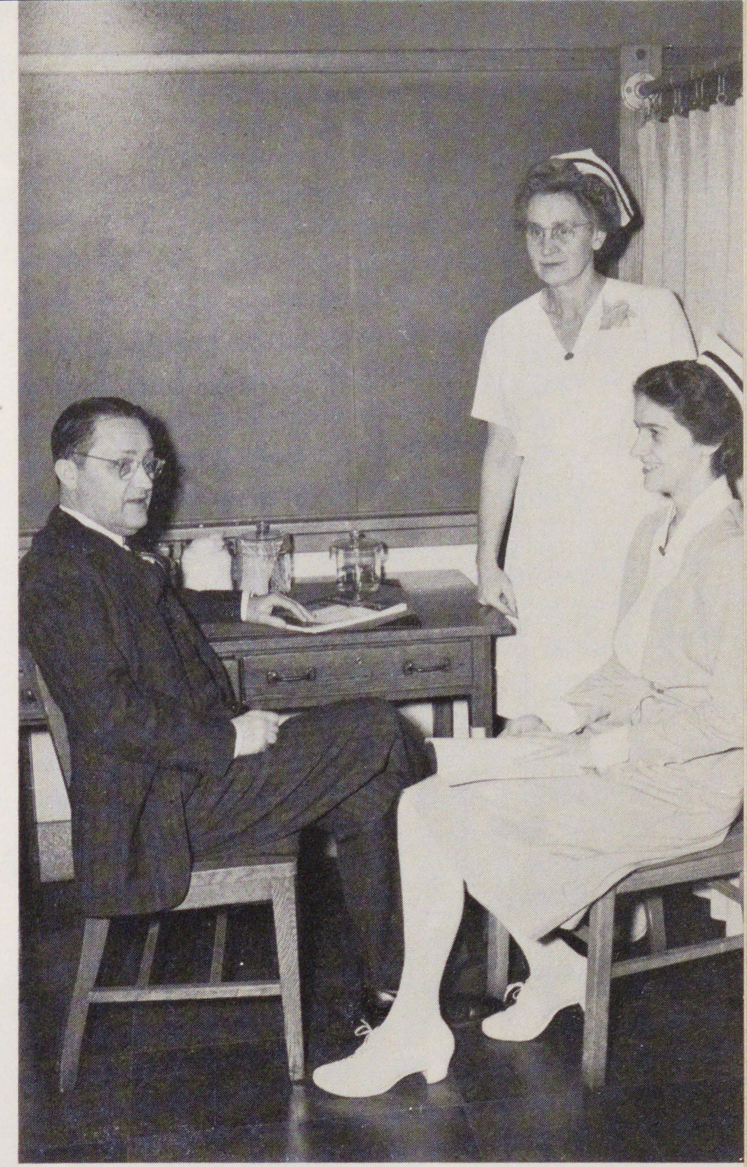


BUFFALO, N. Y. 1922

ACTIVITIES ACTIVITIES



Fun on the Beach
Girls' Freshman Camp



College Physician and
Nurses at Your Service



Men Have Fun, too,
their Freshman Camp



A Fine A Cappella Choir
Entertains the Public



The Annual Junior

One of More than
Student Organizations

Choric Drama
the 75th Anniversary



NEW YORK STATE COLLEGE FOR TEACHERS BULLETIN



CATALOG ISSUE
1947-1948

BUFFALO
NEW YORK

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THE UNIVERSITY OF THE STATE OF NEW YORK

Regents of the University

With years when terms expire

1957 WILLIAM J. WALLIN, M.A., LL.D., Chancellor -Yonkers	
1951 WM. LELAND THOMPSON, BA., LL.D., Vice-Chancellor -Troy	
1955 THOMAS J. MANGAN, M.A., LL.D. - - - - -	Binghamton
1954 GEORGE HOPKINS BOND, Ph.M., LL.B., LL.D. - -	Syracuse
1949 SUSAN BRANDEIS, B.A., J.D. - - - - -	New York
1947 C. C. MOLLENHAUER, LL.D. - - - - -	Brooklyn
1953 W. KINGSLAND MACY, B.A. - - - - -	Great River
1952 JOHN P. MEYERS - - - - -	Plattsburg
1956 STANLEY BRADY, B.A., M.D. - - - - -	New York
1958 Edward R. Eastman, LL.D. - - - - -	Ithaca

President of the University and Commissioner of Education
FRANCIS T. SPAULDING, A.B., Ed.M., Ed.D., LL.D.

Deputy and Associate Commissioner (Finance, Administration,
Vocational Education)
LEWIS A. WILSON, D.Sc., LL.D.

Associate Commissioner (Instructional Supervision, Teacher Education)
HARRY V. GILSON, A.B., A.M., D.Sc. ED.

Associate Commissioner (Higher and Professional Education)
J. HILLIS MILLER, M.A., Ph.D., Litt.D.

Counsel
CHARLES A. BRIND, JR., B.A., LL.B., LL.D.

Assistant Commissioner for Research
J. CAYCE MORRISON, M.A., Ph.D., LL.D.

Assistant Commissioner for Teacher Education
HERMANN COOPER, M.A., Ph.D., LL.D.

Assistant Commissioner for Personnel and Public Relations
LLOYD L. CHENEY, B.A., Pd.D.

Assistant Commissioner for Finance
ARTHUR W. SCHMIDT M.A., Ph.D.

Assistant Commissioner for Instructional Supervision
EDWIN R. VAN KLEECK M.A., Ph.D.

Assistant Commissioner for Professional Education
IRWIN A. CONROE M.A., LL.D., L.H.D.

Assistant Commissioner for Vocational Education
OAKLEY FURNEY B.A., Pd.M.

State Librarian
CHARLES F. GOSNELL, A.B., B.S., M.S., Ph.D.

State Historian
ALBERT B. COREY, M.A., Ph.D.

LOCAL BOARD

	Term Expires
EDWARD H. BUTLER (President)	1951
MOREY C. BARTHOLOMEW (Secretary)	1948
WILLIAM WARREN SMITH (Treasurer)	1950
THOMAS B. LOCKWOOD	1947
DANIEL J. KENEFICK	1949
HELEN Z. M. RODGERS	1952

Officers of Administration

HARRY W. ROCKWELL	President
RALPH HORN	Dean
CATHERINE E. REED	Dean of Women
RAYMOND M. FRETZ	Dean of Men
HARRY J. STEEL	Director of Training
MILDRED L. SIPP	Director of Home Economics Department
IRVING C. PERKINS	Director of Industrial Arts Education
STANLEY A. CZURLES	Director of Art Education Department
MAURICE H. FOURACRE	Director of Department of Education for Handicapped Children
ROBERT E. ALBRIGHT	Director of Extension Education and Director of the Summer Session
D. PAUL SMAY	Director of Visual Education
ALFRED HOLMAN, JR.	Director of Public Relations
PAUL W. SLOAN	Director of Examinations
RICHARD G. DYER-HURDON	Registrar
ROBERT W. GOEHLE	Financial Secretary

CALENDAR

Second Semester 1947

Tuesday, January 28 } —Registration, Second Semester
 Wednesday, January 29 }
 Wednesday, April 2 (Noon)—Easter Vacation begins
 Monday, April 14—Classes resume work
 Friday, June 6—Second Semester ends
 June 8-10—Commencement Program

Summer Session 1947

Tuesday, July 1—Registration
 Wednesday, July 2—Instruction begins
 Friday, August 8—Summer Session ends
 Friday, August 22—Accelerated Summer Session ends

College Year 1947-48

Monday, September 8 } —Registration, First Semester
 Tuesday, September 9 }
 Wednesday, September 10—Instruction begins
 Tuesday, November 11—Armistice Day
 Wednesday, November 26 (Noon)—Thanksgiving Recess begins
 Monday, December 1—Classes resume work
 Friday, December 19 (Noon)—Christmas Vacation begins
 Monday, January 5—Classes resume work
 Friday, January 23—First Semester ends
 Tuesday, January 27 } —Registration, Second Semester
 Wednesday, January 28 }
 Thursday, February 12—Lincoln's Birthday
 Wednesday, March 24 (Noon)—Easter Vacation begins
 Monday, April 5—Classes resume work
 Monday, May 31—Memorial Day
 Friday, June 8—Second Semester ends
 June 10-12—Commencement Program

Summer Session 1948

Monday, June 28—Registration
 Tuesday, June 29—Instruction begins
 Friday, August 6—Summer Session ends
 Friday, August 20—Accelerated Summer Session ends

THE FACULTY

- HARRY W. ROCKWELL.....President
Brown, A.B., A.M.; Columbia, A.M.; N. Y. State College for Teachers, Albany, Pd.D.
- RALPH HORN.....Dean
Ashland College, A.B., Ohio State University, M.A., Ph.D.
- CATHERINE E. REED.....Dean of Women
Syracuse University, A.B.; Teachers College, Columbia, M.A.
- LOIS G. ADAMS.....Instructor in Home Economics
University of Illinois, B.S.; Columbia University, M.A.
- ROBERT E. ALBRIGHT.....Professor of Sociology
Director of Extension*
Nebraska Wesleyan University, A.B.; University of Colorado, M.A.; Leland Stanford University, Ph.D.
- KATHLEEN L. BARBER.....Nurse-Instructor
New York State College for Teachers, Buffalo, B.S.; Nursing Diploma from the School of Nursing, University of Rochester.
- SILAS L. BOYD.....Professor of Music
Head of Department
St. Olaf College, A.B.; Northwestern University, B. in Music Ed.; New York University, M.A.; Teachers College, Columbia.
- ARTHUR L. BRADFORD.....Professor of English
University of Missouri, A.B.; Missouri School of Mines, University of Missouri, M.S.; George Peabody College for Teachers, Ph.D.
- PHARISS CLEINO BRADFORD... (Acting) Assistant Professor of English
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- DONALD G. BROSSMAN (On leave).....Instructor in Printing
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- H. EMMETT BROWN.....Professor of Science
Head of Department
University of Rochester, B.S.; Columbia University, A.M., Ed.D.

* Director of Summer Session 1946.

- HOMER A. BRUCE.....Instructor in Education
Arkansas State Teachers College, L.I.; University of Oklahoma, B.S.; Teachers College, Columbia, M.A.
- MARION BUCHHOLZ.....Assistant College Librarian
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- RUTH M. BUDDENHAGEN.....Instructor in Home Economics
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New York State College for Teachers, Buffalo, B.S.; Oswego State Teachers College; Ohio State University, M.A.
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Fredonia State Teachers College, B.S.; Juilliard School of Music; Teachers College, Columbia, A.M.
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Department and Coach
Springfield College, B.P.E.; University of Buffalo, Ed.M.
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Franklin University, A.B.; Indiana University, A.M., Ph.D.
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Professor of Art
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- MARION P. DANA.....Instructor in History
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- FRASER BRAGG DREW.....Instructor in English
University of Vermont, A.B.; Duke University, A.M.
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New York State College for Teachers, Buffalo, B.S.; New York
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REUBEN S. EBERT.....Professor of Mathematics
Head of Department
Illinois State Normal University, B.Ed.; Teachers College,
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University, M.S.

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New York University, M.A.

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Dean of Men
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Niagara University, Ph.D.

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School of Practice
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- HARRIET L. THOMPSON (Acting) Professor of Home Economics
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Albany, M.A.; Institute of Euthenics.
- JOHN M. THURBER Professor of English
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- JOHN URBAN Professor of Science
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Ph. D.
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Duluth State College, B.S.; Teachers College, Columbia, M.A.
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New York State College for Teachers, Buffalo, B.S.
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Geography
Vassar College, A.B.; Clark University, A.M., Ph.D.
- D. KENNETH WINEBRENNER Assistant Professor of Art
Indiana (Pa.) State Teachers College, B.S. in Art Education;
Teachers College, Columbia, M.A.
- KATE V. WOFFORD Professor of Rural Education
Head of Department
South Carolina State College for Women, A.B.; Cornell Uni-
versity, M.A.; Columbia University, Ph.D.
- EDITH GAUPP WOLF Instructor in Art
New York State College for Teachers, Buffalo, B.S. in Art Edu-
cation.

AFFILIATED ALBRIGHT ART SCHOOL

(1231 Elmwood Avenue, Buffalo 9, N. Y.)

- PHILIP C. ELLIOTT Director
Yale University, B.F.A.
- ALLEN DOWNS . . . Instructor in Painting, Design, Graphic Techniques
Iowa State University, M.A.
- WILLIAM H. GRATWICK, JR. Instructor in Sculpture
Harvard University, B.A.

- EDWARD KASPER Instructor in Painting
Yale University, B.F.A.
- CHET LAMORE Instructor in Design
University of Wisconsin, M.A.
- HELEN PRATT NEW Instructor in Lettering, Costume Design
New York State College for Teachers, Buffalo, B.S.
- RENA RUBENSTEIN Instructor in Drawing
University of Michigan, B.A.; Smith College, M.A.
- IRMA SEITZ Instructor in Drawing
Art Students' League, New York City.

AFFILIATED PUBLIC SCHOOL NO. 52

(276 Bird Ave., Buffalo 13, N. Y.)

Instructors

- FORD R. PARK, Ph.B., Ed.M. Principal
- AGNES AGNITCH Third Grade
- GRACE G. BALLARD, B.S. in Ed. Fourth Grade
- THELMA HEPP CLOGSTON, B.S. Second Grade
- MARY L. DARKER, B.S. in Ed. First Grade
- MARY J. DOE Third Grade
- VIOLA M. DOHRMAN, B.S. in Ed. Sixth Grade
- LINA L. GIELOW, B.S. Eighth Grade
- GEORGINA S. HASKILL, B.S., M.A. First Grade
- A. MARGARET KEMP, B.S., M.A. Fifth Grade
- ELLEN C. MOCKLER, B.A., M.A. Second Grade
- CHARLOTTE M. MOORE Seventh Grade
- DOROTHY J. PARKS, B.S. in Ed. Eighth Grade
- MARION SEIBEL, B.S. in Ed. Sixth Grade
- EDNA M. SHAW, B.S. in Ed. Kindergarten
- DOROTHY J. STEPHENSON, B.S. in Ed. Fifth Grade
- NATALIE TRUSCOTT, B.S., M.Ed. Seventh Grade
- RUTH J. WILLIAMS, B.S. in Ed. Eighth Grade
- EDWARD G. WYATT, B.S. in Ed. Art

ADMINISTRATIVE AND CLERICAL ASSISTANTS

- DORIS SHERK BONNAR, R.N. Nurse Assistant
- HARRY W. CURTIN Custodian of Buildings and Grounds
- MARIETTA RINDONE FERRO Assistant manager of the Bookstore
- CHARLOT MOEHLAU FETTERMAN, B.S. Manager of the Bookstore
- MABEL B. GUBERT Cafeteria Director

KATHRYN S. GRAHAM.....Secretary to the President
H. L. LEVIN, M.D.....Psychiatric Consultant Department
ELIZABETH VAN DERHOOF NUTTLE Assistant in Extension Department
JUNE HALTON TRUESDALE, B.S.....Alumni and Placement Secretary
JOHN V. WADSWORTH, M.D.....College Physician
ROSE PERTRALLIA ZEGEL.....(Acting) Assistant to Registrar

MARY M. MAY, B.A.....Senior Stenographer
CLARA E. BAUER.....Stenographer
MARY ALYCE BLANCO.....(Acting) Stenographer
JANE L. DiADDARIO.....Stenographer
BERDENA DOLBERG.....Stenographer
ROSEMARY FORNES.....Stenographer
JEANNE HENNESSEY.....(Acting) Stenographer
EDITH LEVIN.....(Acting) Stenographer
MARGARET McALLISTER.....(Acting) Stenographer
CATHARINE RUDULPH.....Stenographer

GENERAL INFORMATION

FUNCTION OF THE COLLEGE

New York State College for Teachers, Buffalo, established and maintained by the State of New York, is under the jurisdiction and control of the State Education Department, the Regents of the University of the State of New York, and the Commissioner of Education. Its primary function is the education of teachers for the public schools of the State. In fulfilling this purpose it endeavors to provide each student with abundant opportunities for a rich, cultural background and a wide variety of experiences insuring the development of professional knowledge, attitudes, and skills fundamental to good teaching.

The curricula authorized and established for fulfilling these functions are:

1. **Graduate**, for experienced elementary teachers and administrators interested in a Master of Education degree for teaching, supervision, or administration.
2. **General Elementary**, primarily for those interested in teaching in the elementary schools of the State, kindergarten and grades one to eight inclusive.
3. **Home Economics**, a curriculum offered for those interested in becoming Home Economics teachers in the elementary and high schools of the State.
4. **Industrial Arts**, a curriculum preparing teachers of a) Industrial Arts in the elementary and secondary schools of the State and b) Vocational and allied subjects in the vocational schools of the State.
5. **Art Education**, a curriculum preparing supervisors and teachers of Drawing and Art in the elementary and secondary schools of the State.
6. **Elementary School Principals and Supervisors**, a curriculum wherein students of the General Elementary division may qualify for the principalship or supervisorship of the elementary schools of the State.
7. **Teachers of Handicapped Children**, a part of the General Elementary four year program, certifying teachers of handicapped children in the five areas of the orthopedic, the hard of hearing, impaired vision, speech correction, and mentally retarded.

ENTRANCE REQUIREMENTS

1. A Regents Diploma or a local high school diploma granted upon the completion of a four-year course of study approved by the Commissioner of Education.

2. The completion of sixteen or more units of high school work, distributed as follows:

GROUP I

Constants required of all students:

*English four years.....	4
American History	1
Science, ninth year.....	1
Social Studies, ninth year.....	1

* Passing of Regents examination is required.

GROUP II

Sequences in two different fields elected by the student:

Major sequence.....	3
Minor sequence.....	2

GROUP III

Electives	4
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3. Candidates must be at least 16 years of age.

4. A weighted high school average of 72 per cent is required.

5. All candidates are required to take the matriculation examinations which will be given after the opening of college.

6. Each candidate may be required to present himself, at a time appointed by the college for a personal interview and a voice test.

7. A health report must be submitted by the family physician on the form provided. A candidate must be free from "physical defects or diseases that would unfit the applicant for the duties of teaching."

8. A candidate for admission to the Industrial Arts Department should have two units of mathematics, a unit of algebra and either advanced algebra or plane geometry or the combination of solid geometry and trigonometry, and two units of science, general science or biology and either physics or chemistry or applied chemistry as a part of his 16 units of work. This is a recommendation, not a requirement. Students accepted not offering credit in elementary algebra may be required to take a remedial course in order to be ready for Mathematics 101.

9. Procedure for applying:

a. Secure an application form from your high school principal or by writing to the Director of Admissions, New York State College for Teachers, Buffalo.

b. Applicant fills out first page and requests high school principal to fill out the remainder of the form and mail it to the college.

c. Applications may be filed anytime after the first of February. Those filed before May first will be given prior consideration.

1) Applications for those who have graduated from high school should contain the complete four year record.

2) Applications for those in the last semester of their senior year should contain three and one-half years record. Supplementary forms will be provided later for the principal to submit the final semester's report when completed.

10. Candidates desiring admission at beginning of the second semester should file their applications by the first of January. Instructions concerning the remainder of the admission requirements will be sent.

11. Applicants are accepted or rejected upon the following considerations: (a) High school scholastic record; (b) Ranking in selective admission tests; (c) Health and physical examination; (d) Personal interview, including speech and diction test.

12. Candidates who are accepted for admission are expected to be present on the opening day of the college year and will not be admitted thereafter except by special permission from the Dean. If one foresees a necessity for absence from this opening session he should notify the Dean. Where such absences occur, without permission, those on the Waiting List will be given consideration in order of ranking. The right to impose a fee for late registration is reserved.

13. Candidates rejected who enter other institutions will not be eligible for transfer to New York State College for Teachers, Buffalo until they have completed at least one year of work elsewhere, made a creditable record, and obtained written permission for the transfer from the college they are attending.

14. Write to the Director of Admissions for further information.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing are required to file an application in the office of the Director of Admissions. In addition, the applicant must meet all general requirements, entrance

tests, personal interview, and physical examination, and file an official transcript of all college work together with an honorable dismissal. An official transcript of record is one mailed directly from the college issuing it to this college. If the candidate is not admitted, the official transcript will be returned on request to the college issuing it or forwarded to another college.

Applicants transferring from other New York State Teachers Colleges are not required to take the general entrance tests. A graduate of the two or three year normal course applying for admission to the fourth year class is required to file an application and have an official transcript of this record sent directly to New York State College for Teachers, Buffalo 9, N. Y.

All candidates for the degree must complete a minimum of one year of work (32 semester hours) in residence. Therefore, candidates from other colleges offering three years of advanced standing credit are required to complete all remaining work in residence.

Extension and summer session credit earned in classes on the campus, as well as credit earned in the regular session, is accepted in meeting residence requirements.

Candidates are required to earn an average grade of "C" in all work completed in this college.

STUDENT EXPENSES

In order to insure a successful career in college it is essential that students come prepared to meet their financial obligations without undue strain upon time or energy in self-support. The average student budget covers the following items:

REQUIRED

	Per Year
Registration Fee.....	\$10.00
Blanket Tax.....	11.00
Athletic Fee.....	10.00
Health Examination Fee.....	2.00
Locker Fee.....	*1.00
Tuition for Art Education Dept. (for each of the first 3 years).....	125.00
Non Resident (out of state) Fee.....	300.00

*\$1.00 paid on admission covers cost for all 4 years.

Checks, in payment for fees, must be made payable to New York State College for Teachers, Buffalo.

ESTIMATED

Books and Supplies:

For General Elementary Department.....	\$44.00
For Art Education Department.....	54.00
For Home Economics Department.....	62.00
For Industrial Arts Department.....	44.00

Extra-Curricular Activities:

Dues and Fees.....	30.00
Contributions	15.00

Meals

Expenditures for lunch in the cafeteria averages \$.40 per day per student. Substantial home-cooked food is served at minimum prices for both noon-time lunch and for suppers as arranged.

RESIDENCE

Per Week

Room and board (including 2 meals a day).....	\$12.00
Cooperative housekeeping.....	7.50

BLANKET TAX

This is a self-imposed student tax inaugurated in 1924 and changed several times since by student vote. At present, the tax is \$11.00 per year, collected by semesters. Each student is given a ticket which entitles the holder to share in all student supported activities, such as the college weekly and yearly publications, the Dramatic Club plays and the Musical Clubs concerts. An extensive selection of able speakers for assembly programs is provided by this fund. In 1947 an athletic tax of \$10.00 was voted by the student body to provide a more extensive athletic program.

This tax is collected by the secretary of the fund assisted by a group of students, and is apportioned each year by a committee of six faculty members and nine students, chosen to represent classes and Student Council.

The President of the College is empowered to excuse any student from payment of the tax who shall present to him satisfactory proof of financial inability.

RESIDENCE CENTERS

Student residence centers have been selected and approved as offering the advantages of group living as well as providing attractive accommodations, facilities for study, good meals, opportunities for entertainment and supervision by a competent housemother. Each

group is represented in the Non-Resident Council which assumes responsibility for the development of the many advantages which each center can promote. Certain of these residence centers have been reserved especially for the freshmen to aid in orientation and adjustment to the college program. Other centers which are open to upper classmen are reserved for student groups to undertake meal preparation and house management cooperatively.

A list of approved residences may be obtained in the office of the Dean of Women or the office of the Dean of Men. Final choice of residence must be taken from this list and kept accurately recorded in these offices. For individuals who request special arrangements, conference and approval are required. Residence is arranged for an entire year unless emergencies arise to warrant cancellation of agreement.

PART-TIME EMPLOYMENT

Opportunities for students to meet part of their expenses through part-time employment are recommended only to those who can afford time and energy for this investment or who need the work experience it affords. Not more than twenty-eight hours of such work per week are endorsed for an undergraduate carrying a full academic program. Requests for assistance in finding employment may be made in the offices of the Dean of Women or the Dean of Men. For women students a number of openings are available in homes where they may assist as student helpers, giving four hours per day in return for room, board (including lunches), and transportation. Many opportunities are available for part time employment in industries and downtown stores. Each student is required to register through his or her faculty sponsor the employment carried and to keep this record up to date.

THE ACCELERATED PROGRAM

This program was instituted during the war for the benefit of those who wished to complete the regular four year college course in three years. No Freshmen will be admitted to this program. Only those already enrolled, maintaining good standing, and veterans will be permitted to enroll.

Others may accelerate their four year program one half year by taking three regular six weeks summer sessions.

ASSEMBLY PROGRAMS

Assembly programs, held each Friday, are made available by action of the Blanket Tax Committee which allocates certain

funds to bring outstanding speakers and special programs before the student body. These programs cover the major interests of the college such as art, science, history, current events, music, dramatics, etc.

In addition, the 10:30 period of each Tuesday is reserved for the special student assemblies and organization meetings.

ASSEMBLY ATTENDANCE

Attendance at assembly is considered a college appointment. Students are asked to recognize and meet this obligation on the same basis as regular class appointments.

PREPARATION FOR RURAL TEACHING

All students taking the General Elementary curriculum are required to spend one-third of their practice teaching assignment in rural schools. These schools include thirty cooperating small schools in the Buffalo area and three centralized schools. During the rural assignment the students are required to board in the community where they practice teach. Courses are offered in the Summer Session and through Extension to meet the needs of rural teachers in the field. For further information write Prof. Kate V. Wofford, Director of Rural Education.

VISUAL EDUCATION DIVISION

One of the major developments in modern education is the use of visual instruction techniques. N. Y. State College for Teachers, Buffalo is developing a program which will give its students experience in this field.

Present visual instruction facilities at the college and School of Practice are being expanded rapidly. The college already is equipped with silent and sound movie projectors, reflectoscopes, slide and film-strip projectors. A special visual instruction room is acoustically treated for clear sound reproduction. Several other rooms are equipped with dark shades and projection screens.

Because of its location in the City of Buffalo, the college is able to draw upon rich stores of visual instruction material from several institutions as well as its own permanent collection and rentals from government and commercial agencies. Through the cooperation of the Buffalo Board of Education and the Buffalo Museum of Natural Sciences one of the largest educational collections of films, slides, mounted pictures, exhibits and objects in the state is available for use in the college's teacher training program. From the Albright Art

Gallery there are available for use in the class rooms actual examples of textiles, original prints and manuscripts, excellent reproductions of famous paintings, slides, and mounted pictures.

Members of the college and School of Practice faculties use these visual instruction materials in their teaching to attain certain objectives which cannot as readily be reached through use of other means. As with other techniques, such use is explained to students. Evaluations are made of prepared visual instruction materials, and materials which the students themselves can collect or make. In order that students may be able to make the greatest use of available facilities and materials wherever they may teach, they are guided in the building of personal files of teaching aids by clipping and mounting pictures from magazines, newspapers and advertising literature; by collecting samples, and by making charts, drawings, and models. They are also taken on trips to the community's schools, industrial plants, courts, hospitals, fields, and water front; to the museums and the Albright Art Gallery.

To expedite the total visual education program, a central office at the college maintains a file of the latest catalogues and listings of materials available through various commercial and public agencies. It maintains contacts with other educational institutions, government and industry to keep abreast of all new developments. Working with a faculty committee representative of all the major college divisions, it disseminates this information throughout the college and coordinates the various aspects of the college-wide program. Students at New York State College for Teachers, Buffalo are being prepared not only by instruction but by example effectively to use visual instruction techniques and materials.

OUTDOOR EDUCATION

The college is actively interested in outdoor education because it believes in the fun and recreation it provides and in the values learned by direct experience. For the past three years faculty members and students have been given the opportunity to gain camp experience and leadership training at National Camp in New Jersey.

The facilities of the city and surrounding areas are rich in opportunities. Delaware Park is an excellent laboratory for many classes, especially those of the Sciences and Geography. The State Parks of Letchworth and Allegany and Chautauqua Gorge serve as a setting for week end retreats where inspiration, study, program planning and recreation are experienced most effectively.

Student organizations are behind a program of outdoor education. For the past two years they have contributed substantially to the

development of a camping and recreation unit on our campus. It is anticipated that this program will be facilitated further by the acquisition of a college camp.

CERTIFICATION OF TEACHERS OF PHYSICALLY HANDICAPPED CHILDREN

Students enrolled in the General Elementary curriculum may, while meeting the requirements for the degree, qualify for a certificate to teach handicapped children. Recognizing the growing demand for teachers of the handicapped, the Board of Regents has established at the New York State College for Teachers a Department of Special Education for the training of teachers of handicapped children. The curricula offered at this time will prepare teachers for:

The Orthopedically Handicapped
The Mentally Retarded
The Hard of Hearing

The Partially Blind
Speech Correction

The Division of Teacher Education and Certification has authorized the college to offer the student a program of specialized study. Twelve hours are required for certification. Students wishing to certify in one of the areas should plan their courses to begin with the sophomore year, allowing the normal progression of studies.

CERTIFICATION REQUIREMENTS FOR ELEMENTARY SCHOOL PRINCIPALS

As part of the requirements for the degree, a student may offer the courses which are acceptable for the issuance of the elementary school principal's provisional certificate. The remaining requirements for this certificate are met when the candidate completes two years of successful teaching experience and six hours of graduate work. Students regularly pursuing the present curriculum should include in their program, in their junior and senior years, four to six elective credit hours of work in the courses Education 440, 441, 442, 443. Students offering work in these courses toward elementary principalship certification are allowed to exceed the usual limit on the total hours of education which may be offered for the degree. Students entering with advanced credit should confer with the Dean of the College to plan how the principalship certificate requirements may be met.

CERTIFICATION OF COLLEGE GRADUATES FOR ELEMENTARY SCHOOL TEACHING

The State Department of Education has made provision whereby graduates of a Liberal Arts college who wish to qualify for elementary

school teaching may do so. Such graduates with 18 semester hours of appropriate education courses approved for secondary school teaching may qualify for general elementary school teaching upon the completion of 30 semester hours of additional study and training. This additional study may be taken at New York State College for Teachers. College graduates without professional training may qualify for a license to teach in the elementary schools on completion of 36 hours of work in this college. Detailed information concerning courses recommended may be secured by writing to the Dean.

KINDERGARTEN EDUCATION

Students interested in preparing for kindergarten positions will be required to complete certain specific courses, relating to organization, equipment, and techniques suitable to children four to six years of age. Students wishing to take Kindergarten Education in Summer Session may do so, at which time six hours of credit may be obtained. This credit, however, will be recognized only beyond the number of hours required for graduation. No student will be recommended to teach kindergarten unless she has completed the prescribed work. Courses are listed under Kindergarten Education.

LIBRARY FACILITIES

The college library, located on the second floor of the Main Building, contains over 30,000 volumes and subscribes to 240 periodicals in which the interests of all departments of the college are reflected. The open shelf system is used, making the entire collection including the reserve books, easily accessible to students and faculty. A special collection of art books and portfolios is kept in the librarian's office for the specific use of the Art Education, Home Economics and Industrial Education students. However, this collection is available to the entire student body.

Instruction in the use of library materials is given to the freshmen early in the college year and is followed by further instruction in English 101. The upperclassmen are given instruction in the use of library materials by the library staff at the request of the faculty, particularly in connection with the seminars in student teaching.

The library is open Monday through Wednesday from 8:00 A.M. to 9:00 P.M.; Thursday and Friday from 8:00 A.M. to 5:30 P.M. and on Saturday from 9:00 A.M. to 4:00 P.M.

The Laboratory of Instructional Materials, adjacent to the office of the librarian, is sponsored by the following student groups with the

aid of a faculty committee: Rural Club, Phi Omicron Upsilon and Kappa Delta Pi. The laboratory is being developed for the use of student teachers although the entire student body is free to make use of its resources. The materials consist of a circulating library of over 2,000 textbooks and story books, over 10,000 slides, 250 records, 10,000 pictures, 100 storybook and costume dolls, and a textbook exhibit collection. The Phi Omicron Upsilon honorary society has made available to Home Economics students a file of over 600 pamphlets on subjects pertaining to this field.

The School of Practice Library located on the second floor of that building is in charge of a trained librarian. It is open to students of the college as well as to the children of the school. The book collection has over 3000 well-chosen children's books and subscribes to a number of children's magazines.

The city of Buffalo offers extensive resources to the students and faculty. The Buffalo Public Library, the Grosvenor Library, the Art Library in the Albright Art Gallery and the Buffalo Museum of Science cordially invite students to use their resources.

SCHOOL OF PRACTICE

The School of Practice, which occupies a place on the college campus, makes an important contribution to the teacher preparation program by providing facilities for observing skilled teachers at work, participation in classroom activities and practice teaching experiences. The school enrolls approximately two hundred seventy-five children in grades from the kindergarten through the eighth. Each grade is in charge of a well qualified, competent teacher who counsels with and guides student teachers in their practical experiences in learning to teach. The school offers a complete modern curriculum with specialists in the fields of art, music, physical education, home economics and industrial arts. The New York State Syllabi for elementary grades are followed to approximate the curriculum content used in New York State Schools. This school also functions as host to visiting groups of teachers who come to observe good teaching practice.

PLACEMENT BUREAU

This bureau aims to provide the schools with teachers who will meet the needs of the community and to help graduates secure the positions they are best prepared to fill. A faculty committee directs the policies of the bureau and works directly with students and school officials. The placement secretary assembles and keeps complete files

regarding the experience, ability, and recommendations of both experienced and inexperienced candidates. She is always available to meet school officials and to arrange for interviews with department heads and students so that requests for candidates may be filled promptly and efficiently.

Harry J. Steel, Director of Training, is chairman of the faculty committee. Mrs. June Halton Truesdale is placement secretary for the bureau. This bureau is open and ready to serve both the school and the graduates of the college during twelve months of the year.

ALUMNI BUREAU

The offices of Placement Secretary and Permanent Alumni Secretary were combined at the time the Bureau made necessary the provision for some central office where membership files and records could be kept, address changes reported, and inquiries made concerning Alumni Activities.

The Secretary cooperates with the Alumni Association in the publication of an Alumni Bulletin devoted to items of interest to our members and in the promotion of Alumni activities.

COLLEGE SPORTS

The Athletic Association includes all faculty and students. All sports of the college are organized and directed by the Athletic Association Council which is composed of its officers and managers of various sports. Each class elects representatives to serve on this council.

Intramural sports for men include basketball, badminton, cross-country running, soft-ball, soccer, swimming, table-tennis, tennis. The college has collegiate competition in basketball, cross-country running, soccer, swimming, tennis, track against representative teams from the following colleges and universities: Alfred, Allegheny, Buffalo, Colgate, McGill, Niagara, Oberlin, Queens, Syracuse, St. Bonaventure, Toronto, Western Reserve, State Colleges and many others. Several home basketball games are usually played on the double-header programs in the Municipal Memorial Auditorium. From time to time varsity players have been selected on the mythical all-intercollegiate teams.

Women's sports are featured according to the season with interclass competition in archery, basketball, badminton, bowling, table-tennis, soccer, soft-ball, swimming, volleyball, tennis. Opportunities are afforded for participation in Play Days with conveniently accessible State Colleges. An archery team competes in the annual Inter-

collegiate Telegraphic Tournament. By participation in several sports during the year, a student may win a college letter. With each successive year of participation, the significance of the award increases.

Swimming is required of freshmen and sophomores and is available to juniors and seniors. An annual Red Cross Water Safety examination is given to qualified students, who often become swimming councilors at summer camps.

A regulation uniform for gymnasium is required of all students and is purchased through the college book store. Swimming suits and towels are provided for all students.

SUMMER SESSION

The summer session was inaugurated in 1917 and has been developed as an integral part of our college program. The thirty-first session will be conducted as usual and will be organized to offer some distinctive contributions for teachers in service. A wide variety of courses will be offered in the various areas of the general elementary curriculum. Courses will be offered for those interested in special certification in Kindergarten Education, Elementary School Principalship and Supervision, Remedial Reading Techniques, and Teaching of Handicapped Children. In addition to these there will be a workshop in Elementary Education offering opportunity for elementary teachers and those re-entering the profession to work on their special problems under expert leadership. Offerings in Home Economics and Industrial Arts will be given if the demand is sufficient to warrant classes.

The accelerated session for students previously enrolled in this program will be conducted again this summer. Full statement will be found on page 22 of this bulletin. A Graduate Department, leading to the Master's Degree in Elementary Education, offers a variety of courses. For further information relating to graduate study turn to page 47 of this bulletin.

The 1947 Summer Session extends from June 30 to August 8. Regular tuition will be \$30.00; an additional out-of-state fee of \$15.00 will be required from students who are not legal residents of New York. Details of the entire program may be found in the Summer Session catalog which will be published in April. Requests for catalog or further information should be addressed to Director of Summer Session, New York State College for Teachers, Buffalo 9, New York.

Veterans who may be interested in summer session classes are urged to write to the director of their special department, to Dean Ralph Horn, or to Director of the Summer Session for further information.

THE EXTENSION DEPARTMENT

The Extension Department offers Saturday morning classes throughout the college year. Courses taken in on-campus extension will apply to the residence requirements and as credits towards the Bachelor's degree. Off-campus centers will be organized whenever sufficient demand arises.

Graduate courses leading towards the Master's degree in the field of elementary education may be taken in Saturday on-campus Extension.

Please write to Dr. Robert E. Albright, Director of Extension Department, for bulletin and further information.

OUR STATE TEACHERS COLLEGE CAMPUS

The college is housed in four buildings located so as to constitute a quadrangle after the English idea. The administrative offices, classrooms, the auditorium, library and cafeteria are located in the Main College Building which presents a frontage on Elmwood Avenue of 370 feet. On the south side of the quadrangle is the Vocational Building which accommodates the two vocational departments (having a 270 foot frontage in length)—the Home Economics Department and the Industrial Arts Department. Directly opposite on the north side of the quadrangle is the School of Practice, almost a duplicate in appearance of the Vocational Building, with the kindergarten and the first six grades on the ground and first floors and grades seven and eight with library and laboratories on the second floor. At the rear or on the west side of the quadrangle is the Gymnasium with a floor space 60 x 90 feet, capable of division into two smaller gymnasium floors with adequate lockers, showers, and a beautifully decorated swimming pool, 75 x 25 feet.

The architectural style of the four buildings is plain Georgian Colonial which is frequently to be seen in some of the older New England colleges. The tower of the Main College Building is typically colonial and accommodates a set of "Westminster Chimes" with a clock showing illuminated dials. The portico in six stone columns with Ionic capitals, which is the feature of the front elevation of the main building, immediately commands the attention of the passerby on Elmwood Avenue.

To the north of the Gymnasium the Athletic Field is located. This includes two soccer fields, an archery range, a blacktop tennis court, handball courts, and a playground for the pupils of the School of Practice. Ample parking space is located in the rear of the Gymnasium and along Rockwell Road which marks the southern bound-

ary of the campus. A fifth structure, the President's Residence, is located north of the quadrangle.

The campus faces Delaware Park, one of the most attractive in the country. Located in the Park and across Elmwood Avenue from the college are the beautiful Albright Art Gallery and the City Historical Building, both structures having been erected in permanent form for the Pan American Exposition in 1901. These two Museums, together with the Albright Art School, the McKinley Vocational School, and the New York State College for Teachers make up an impressive educational center. Supplementing these cultural institutions the Museum of Natural Sciences, located in Humboldt Parkway, the Buffalo Public Library with its numerous branch libraries, the Grosvenor Library, one of the best reference libraries in the United States, the Studio School of the Theatre under the direction of Miss Jane Keeler, a former member of the faculty of the New York State College for Teachers and the new Kleinhans Music Hall offer additional educational and cultural opportunities to students registered at the New York State College for Teachers. The Buffalo Symphony Orchestra also offers occasional concerts in the College Auditorium.

POST WAR BUILDING PROGRAM

On February 6, 1945 the Common Council of the City of Buffalo voted to transfer approximately thirty-five acres adjoining the present campus to the New York State College for Teachers. This was later approved by the Mayor. This grant combined with the present campus provides an area of approximately fifty-five acres. An additional twelve acres, which contains the City Casting Pool and which adjoins the new campus, will not be bounded or set apart by a fence or other barrier; consequently, the campus in reality includes ready access to a larger area than indicated above and is located along Scajaquada Boulevard where future building possibilities will be most advantageous. The Post War Planning Commission has definitely approved plans for a new Library which will be located in the center of the present athletic field facing westward. It is Georgian in style in harmony with the present buildings and its front elevation is not unlike that of the main building of the college. In dimension it will be a building approximately 172 ft. x 85 ft. and will accommodate stacks providing space for about 100,000 volumes. It will include a Reserve Book Room, Periodical Room, Laboratory of Instructional Materials, a Main Reading Room (164 ft. x 50 ft.) together with seminar rooms, offices, work rooms and 32 carrels, small cubicles for private study for upper-classmen and graduate students. This approved building will cost \$355,000.

About 200 ft. west of the Gymnasium on the same axis, an Industrial Arts building will be constructed to cost \$445,000. It will include shops, laboratories, recitation rooms, offices, etc., for a larger Industrial Arts Department than has hitherto been accommodated. This department will be moved from the Vocational Building which will in turn be occupied entirely by a larger Home Economics Department.

Forming a "T" shaped design and adjoining the rear of the present Auditorium, a new Science unit to cost \$241,000 will be erected and constitute a new feature which will complete the eastern side of the present quadrangle. It will accommodate the Science Department which is to be transferred from the present Vocational Building and will include all needed laboratories, lecture and recitation rooms, offices, etc., for the Science Department.

An appropriation of \$1,020,000 was made in the supplemental budget by the 1946 Legislature for the erection of the three above named buildings. Approval has also been granted by the Post War Planning Commission for the expenditure of \$145,000 for the adaptation of the present Vocational building for the exclusive accommodation of the Home Economics Department. The sum of \$218,000 is approved by the Post War Planning Commission for the construction of tunnels, water mains, and landscaping of the new campus. The project of increasing the size and accommodations of the present Gymnasium by more than double its present facilities is now under consideration by the Post War Planning Commission and complete plans therefor have been submitted.

The State Dormitory Authority has gone on record as approving the erection of residential facilities on our campus which will accommodate three hundred students. This doubtless envisions the erection of two residential halls with the necessary accompanying social lounges, dining commons, and special recreational rooms therein.

GENERAL ACADEMIC REGULATIONS

These regulations apply to all students in all departments:

GRADING SYSTEM

The following grades are used:

- A — Superior work
- B — Work above average
- C — Average work
- D — Work below average, but passing
- E — Failure
- W — Official withdrawal
- X — Abandoned courses
- W. R. — Withdrawal by request
- N. C. — No credit

Inc. — Work incomplete because of excusable absence from class or final examination may be made up subject to approval of the Dean.

QUALITY POINT SYSTEM

The following quality point system is used in determining averages:

- For each hour of A: 4 quality points
- For each hour of B: 3 quality points
- For each hour of C: 2 quality points
- For each hour of D: 1 quality point
- For each hour of E: 0 quality points

The total number of quality points divided by the total number of semester hours gives the average. When a course is repeated the second grade replaces the first.

THE DEAN'S LIST

The Dean's List is an honor roll of all students who have a semester average of B or better on a schedule of twelve semester hours or more. The list which is posted at the beginning of each semester is a compilation of the eligible students of the previous semester.

REQUIREMENT FOR GRADUATION

All students must complete the prescribed curriculum of the department in which they are registered with an average grade of C or better (a quality point average of 2.00 or better). An average

grade of C is also required in Practice Teaching before a student will be recommended for graduation.

A minimum of 32 semester hours, including the last 16 hours, must be completed in resident study. A total of 128 semester hours credit is required for graduation.

NUMBER OF SEMESTER HOURS ALLOWED EACH SEMESTER

No student shall be registered for more than 17 semester hours of work without written permission from the Dean. All students registering in the regular session are required to carry a minimum program of 12 semester hours.

ACADEMIC PROBATION

The following classes of students are subject to these probation regulations:

1. A student failing in any semester to earn an average of 1.125 shall be placed on academic probation for the following semester.
2. A student failing for two consecutive semesters to earn a "C" average shall be placed on academic probation for the following semester.

Failure to earn a "C" average or to pass all courses undertaken during a semester in which he or she is on probation shall bring the student's name before the Dean for special consideration. The Dean may request him to withdraw or grant another probationary period known as "Final Probation," depending on extenuating circumstances.

Failure to earn a "C" average or to pass all courses undertaken during a semester of final probation shall result in the student's dismissal from the college. A petition for special consideration may be filed with the Dean of the College if the student feels that dismissal is not warranted.

CONDITIONS UNDER WHICH STUDENTS WILL BE DROPPED

A student failing a required subject for the third time may be required to leave college.

A student failing one-half of the semester's work is dropped from the college.

A student failing to meet the requirements of the probation regulation will be dropped from the college.

SPECIAL REQUESTS

Requests for special permission relating to academic matters such as extra hours of work, deviations from the prescribed curriculum, credit to be transferred from other institutions, special examinations, extension and summer session work, changes in program are to be made to the Dean.

SPECIAL EXAMINATIONS

Special examinations are given each semester during the first month of the semester. These examinations are open to those students who have missed the regular examinations during the semester immediately preceding for good and sufficient reasons, such as illness, and who have been recommended for special examinations. Students missing regular final examinations for reasons not considered grounds for special examinations, such as mistaking the time of the examination, are frequently permitted to try the next regular examination provided the quality of their class work warrants the permission.

APPLICATION FOR GRADUATION

Students expecting to qualify for degrees in January or June of any year are required to make application in the Registrar's office for the degree by November 1st of the academic year in which they expect to graduate. Diplomas will not be ordered for students who fail to make applications. Students completing the requirements for the degree during the summer session are required to make application for the degree before the close of the summer session.

CANCELLATION OF COURSES

After the final date set for changes in schedule each semester students may cancel courses only with the permission of the Dean which must be filed in the Registrar's office. Courses may be cancelled only by the use of the official cancellation card, obtained in the Registrar's office.

Students will receive no credit for courses in which they are not properly registered in the Registrar's office.

ATTENDANCE REGULATIONS

It is assumed that each student is registered because he wishes to attend college and to take every advantage of all opportunities offered. Hence attendance in classes is required at all times. The following regulations constitute a revision of previous regulations and are effective hereafter:

1. Inexcusable absences are not allowed.

2. The Instructor of the class in which an absence occurs determines, on the merits of the case, whether the absence is excusable.

3. Inexcused and excessive absences are to be reported by the Instructor to the Dean, with recommendations for subsequent action.

4. Students absent because of illness must report first to the Nurse's Office and then to classes. The Nurse's clearance permit must be presented for re-admission to classes. This permit must be signed by the instructors of classes in which absence occurs and filed within one week after issuance with the Registrar.

5. Absence from classes for more than four weeks, or one fourth of the semester, for any reason, obliges the student to drop his schedule. The student should, after such an absence, notify the Registrar, in person or by mail, to officially cancel all courses.

6. Students taken ill during college hours must report to the Office of the Nurse before leaving the campus or absenting themselves from class.

7. Permission for absence before or after a holiday must be obtained from the Dean. Failure to do this will result in lowering the final grades of the classes missed.

8. Inexcusable or excessive tardiness will not be tolerated. Such cases will be reported by the Instructor to the Dean with recommendation that courses in which the tardiness occurs be cancelled.

WITHDRAWAL AND HONORABLE DISMISSAL

Any student who finds it necessary to withdraw from college, either permanently, or for part of a semester or year, must report immediately the fact of his withdrawal and the circumstances to the Dean and secure cancellation cards from the Registrar. Students who fail to comply with this requirement may have difficulty in securing honorable dismissal or re-admission.

TRANSCRIPTS OF RECORD

Transcripts of record are not given to students, either under-graduate or graduate, but will be forwarded upon request to educational authorities whom the students may designate. No charge is made for the first transcript, but a charge of \$1.00 is made for each additional transcript. No charge is made to men and women in the armed services.

The Registrar's office cannot ordinarily furnish transcripts of record during registration week of any semester and, because of the large

number of requests, students are urged to make application for transcripts some time before the date on which they are needed.

STATE SCHOLARSHIPS

The State Department of Education regulations for holders of State Scholarships provides that "University scholarships may be used in State teachers colleges for the general college elementary teachers and special curriculums." The special curriculums offered at Buffalo are Home Economics, Industrial Arts, Art Education, and Teachers of Handicapped Children.

The holders of State scholarships receive three hundred fifty dollars each year in two payments of one hundred seventy-five dollars each. The privilege of these scholarships for four years depends upon the observance of college regulations and the maintenance of a satisfactory standard of scholarship. High school graduates should contact their principal, if interested.

LATE REGISTRATION

All students are to register on dates established for registration. A fine of one dollar per day, up to a maximum of three dollars, will be charged for late registration. Only late registrants excused by the Dean will be allowed to register after the first week of college.

COLLEGE CREDIT FOR EDUCATION AND MILITARY EXPERIENCE IN THE ARMED FORCES

The policy of the teachers colleges of New York State regarding credits to be allowed toward degree requirements, as approved by the State Education Department, is as follows:

I. Admission to college shall be on the basis of the completion of a standard secondary school program, or the equivalent. The secondary school officials shall determine when a student by normal progress, acceleration or otherwise has completed an approved secondary school course covering at least 16 units, or the equivalent.

II. (A) Correspondence courses given and validated by United States Armed Forces Institute (U.S.A.F.I.) may be recognized by colleges and universities for credit if they are appropriate to the institution's degree requirements.

(B) Correspondence courses given to service personnel by recognized colleges and universities under the sponsorship of the U.S.A.F.I. may be recognized for college credit if they are appropriate to the institution's degree requirements and provided they are accepted or acceptable for college credit by the college or university offering the courses.

III. (A) Institutional courses offered on the college campus, such as, Army Specialized Training Program (ASTP), Navy College Train-

ing Program (NCTP), meteorology, etc., may be recognized for college credit on the basis of hours of instruction, laboratory and preparation (a semester hour being 15 class hours plus preparation), provided:

- (1) The student is eligible for matriculation as a college student
- (2) The course does not duplicate work for which the student has already received credit
- (3) It is appropriate to the degree requirements of the college offering the course
- (4) The total number of semester hours credit per term does not exceed the number of weeks in the term plus two.

(B) Credit for these institutional courses may be accepted by other colleges on a transfer basis provided they meet the requirements above.

IV. Credit for Military Experience and Service Training Schools

(A) Not more than ten semester hours credit may be granted to veterans who have served at least six months in the armed forces, for general military experience, basic and advanced training which included military science, hygiene, physical training and other experiences of educational value. For those who have had less than six months' military service not more than five semester hours' credit may be granted for the successful completion of the basic or recruit training program.

(B) A limited amount of additional credit supported by documentary evidence may be granted by colleges and universities for work done systematically in service specialty schools, technical training schools and officer candidate schools in which a part of the program is of college grade, provided:

- (1) It is applicable to the degree requirements of the institution
- (2) It does not duplicate work for which credit has already been granted
- (3) The quality of the work is validated in one of the following ways:
 - (a) U.S.A.F.I. tests (preferred method)
 - (b) Equivalent tests or procedures authorized by the college

Such credit, together with the basis on which it was validated, shall become a part of the student's permanent college record.

For further information write to the Dean of the College.

EXTRA-CURRICULAR ACTIVITIES

Emerson says that all institutions are the lengthened shadows of individuals, and we believe this to be true. If we could trace the history of any institution back far enough we would find its source in a human heart. The student organizations of the New York State College for Teachers at Buffalo are no exception to this general rule. If we could arrive at the origin of each organization we could find its beginning in somebody's interest and enthusiasm. In a very real sense the organizations reflect the objectives of the student body and reveal the philosophy of the college. Through these organizations abundant opportunities are provided for social relationships, leadership training, civic responsibility, and the development of hobbies or special abilities.

PROFESSIONAL CLUBS

In a college whose primary purpose is the education of teachers, one would anticipate a large number of clubs that promote and nurture the professional spirit. There are five such clubs.

Art Education Club for students of the Art Education department is both social and professional in its program. The activities of the club include the annual bazaar or art sale, a dance, field trips and special projects. The club is a chapter of the Junior Eastern Arts Association. It endeavors to promote art experiences and appreciations and to offer a common meeting ground where both may be shared.

Association for Childhood Education is a student branch of the national association and is open to all members of the college community who are interested in early childhood education. The club organizes forums on topics related to early childhood, sponsors field trips to nursery schools and kindergartens, and encourages the participation of its members in those community activities that promote child welfare.

Home Economics Club is affiliated with the American and New York State Home Economics Associations. It is open to all home economics students. Through such activities as a "get acquainted" party, a costume bar, articles for newspapers, radio programs, and fashion shows the club provides for the development of leadership and participation in services to the college and the community.

The Rural Club is open to all students who are interested in country people and their children. The club cooperates in sponsoring the Laboratory of Instructional Materials, and promotes the interests

of rural education in the college. This promotion is accomplished through speakers, forums and discussion groups which make up the programs of the club's monthly teas. Each year the club "adopts" a nearby rural school and works closely with the teacher and children on mutually helpful projects. The club is a member of the American Country Life Association.

The Future Teachers of America organized its Daniel Upton chapter to inspire professional zeal and loyalty in the student body. The chapter cooperates with other professional clubs in the celebration each year of American Education Week. Club members take an active interest in sponsoring legislation pertaining to education. It sponsors field trips to places of interest in the local community. The members of the local chapter hold membership in the New York State Teachers Association and the National Education Association.

CULTURAL INTEREST CLUBS

Organizations come into being naturally from the interest of groups of students in some aspect of their academic studies. These clubs provide a more informal outlet for such interests than can usually be afforded by the classroom.

The Art Kraft Klub develops and maintains artistic standards in the college by enhancing the beauty of surroundings, by developing arts and crafts by which creative talent may be encouraged, and by promoting an interest in art in all departments. Membership is open to students in all departments who write letters of creative merit to the club and meet the requirements of membership.

The Foreign Language Club is open to students of all departments who have an interest in or knowledge of any foreign language, ancient or modern. Its programs afford an opportunity for expression in the form of conversation, music, games, discussions, and demonstrations of the customs and cultures of our foreign neighbors.

The International Relations Club offers exceptional opportunities to pursue an interest in current world affairs. Especially in this period it hopes to contribute to the development of world understanding in students and future teachers.

The Psychology Club, which was formed as an outgrowth of student interest in psychological experimentation, offers an opportunity to a selected group of students for research work in psychology. Besides the regular meetings there are panel discussions, lectures, and group projects.

Men's Campus Club is an organization to study the problems and promote the interests of the men of the campus. It is primarily a

social organization, fostering the Men's Camp, occasional sports nights for men, and athletic activities.

FINE ARTS CLUBS

One of the objectives of the college is the introduction of the students to the fine arts for the purpose of stimulating their knowledge and appreciation. Regular college courses in musical and dramatic art are supplemented by clubs which afford expression in these areas.

The Dramatic Club through its Casting Hall holds tryouts for parts in plays and offers experiences in costume and scenery design, as well as participation in the construction of stage settings and scenery. At the same time opportunities are afforded for delightful social relationships. Its usual productions are plays given at Christmas and in the spring season. These plays draw in addition to an enthusiastic student audience a large attendance from the community.

Senior Women's Glee Club. Try-outs for this Glee Club are open to all sophomores, juniors and seniors. This group sings for assemblies, radio broadcasts, High School Day, the Spring Musicale, and, in particular, with the Buffalo Philharmonic Orchestra at Kleinhans Music Hall.

Men's Glee Club. Membership is open to any man on campus who has the ability to pass an audition. Practice sessions are held twice a week during the half-hour before classes begin. They participate in assemblies, Spring Musicale, and other concerts on campus, and for off-campus groups.

A Cappella Choir. College Choir membership is determined by competitive try-outs. The song literature is chosen on a high level for concert purposes. The Choir appears at the Kleinhans Music Hall, radio broadcasts, and the college Baccalaureate and Commencement exercises.

Freshman Women's Glee Club. The purpose of the Freshman Women's Glee Club is to give the freshman girls the pleasure of expressing themselves in song—to prepare them to participate in musical events and essentially to augment the Senior Women's Glee Club. Since its inception it has contributed to the music of the College Christmas Play, given concerts for various off-campus organizations, sung for Lenten services, and participated in the Spring Musicale.

The Orchestra. Membership in the orchestra is open to all students who can play an instrument. Try-outs are held at the beginning of

Alpha is composed of students from the two upper classes who have been outstanding in extra-curricular work. The purpose is to encourage well-directed activities, to promote high standards in existing organizations and to recognize effective leadership.

FRATERNAL ORGANIZATIONS

The college recognizes the social development of its students as one of its legitimate objectives. Many of the organizations contribute to this objective in a secondary manner but for the fraternities and sororities it is their primary function, and gives to them responsibility for leadership in many social events on the college calendar. Sororities and fraternities afford opportunities for cultivating close personal friendships, which is one of the means of fostering social growth.

Six national sororities are represented by local chapters: Alpha Sigma Alpha, Alpha Sigma Tau, Delta Sigma Epsilon, Pi Kappa Sigma, Sigma Sigma Sigma and Theta Sigma Upsilon. Each of these organizations attempts to advance the professional interests of its members and also to contribute in some specific way to the general good of the entire college. Membership is by invitation after a "rush" season which provides opportunities for acquaintance and selection. The local inter-sorority governing body is the Pan-Hellenic Association. A number of the sororities maintain houses as places of residence for their members and as centers of their activities.

Three fraternities with state or national affiliations, Delta Kappa, Psi Phi, and Sigma Tau Gamma, are governed by the Inter-Fraternity Council. Their objectives are development of leadership, promotion of fellowship, and encouragement of academic success. Before the onset of the war each fraternity maintained a house providing living quarters and opportunities for social development. Each fraternity expects to resume this practice upon the return of its members from the military service.

CENTRAL GOVERNING BODY

The college accepts as one of its responsibilities the development of democratic citizens. The student council offers the medium through which students can secure practice in the techniques of living democratically in a college community.

Student Council is an advisory body making recommendations on matters of vital concern to the students and serving as a medium for the expression and organization of student opinion. It also sponsors activities and serves as a coordinator of student effort. Repre-

sentation is provided for each unit of the student body by selection from this unit. Officers of the council are elected by the student body at large.

CLASS GOVERNMENT

Class Cabinets, consisting of the officers of the senior, junior, sophomore and freshman classes, constitute the planning and administrative boards of these four units of the student body. They also include committee chairmen and section captains of each class respectively on their advisory and executive staffs. Each officer meets in an Inter-Class Council for his office to organize activities and functions between the four different classes of the College.

RESIDENCE CONTROL

The Non-Residents Council, consisting of a representative from each residence, studies and promotes the interests of all out-of-town women in college. Through a variety of activities, among which are the monthly meeting of the council with discussions, visits to different residence centers and cabinet meetings, the organization attempts to maintain the highest possible standards of living in residences and to facilitate better adjustment of all women to their new environment.

STUDENT PUBLICATIONS

Student publications give students an opportunity to take part in writing, editing and producing their own newspaper, yearbook and handbook. Each publication is managed by a student editor and business manager. The general policies of student publications are formulated by a committee whose membership includes the six student editors and business managers and five faculty members.

The Record is a weekly newspaper of campus news and features, editorial comment and student opinion. The paper is distributed to all students of the college. Special issues during the past two years have been sent to graduates and former students in the armed services.

The Elms, a yearbook produced primarily as a record of campus life for the graduating class, presents the organizations, activities and important events of the college year.

The Handbook, designed especially for new students, sets forth and explains regulations and traditions of the college as well as extra curricular opportunities on the campus and in the city of Buffalo.

CALENDAR OF CAMPUS EVENTS

Freshman Camp for Women.

A Junior Counselor Program.

Faculty Reception to Freshmen.

Informal Friday evening dances, sponsored by campus organizations.

Formal Prom and Balls, under the auspices of the juniors and seniors.

Inter-Class Sing.

Holly Hanging Festival.

Christmas Play, given by the Dramatic Club.

Singing of the Waits and the Christmas Party.

The State Fair.

Panhellenic Day.

School of Practice Day.

Alpha Tapping Ceremony.

Vocational Day.

The Spring Musicale, given by Glee Clubs and Orchestra.

The Annual Spring Play, given by the Dramatic Club.

High School Visiting Day.

Moving-Up Day.

President's Reception to Local Board, Faculty and Graduates.

Alumni Events.

Baccalaureate, Class Day and Commencement.

THE SOCIAL CENTERS

Group meetings, teas, and entertainments are arranged in the Social Centers which have been furnished and equipped for large or small gatherings. These are open for hospitality at all times to students and faculty who wish to use their facilities for free hours between classes or to reserve them for programs and business sessions.

DEPARTMENTS OF THE COLLEGE

The College is organized into six major divisions, namely, the Graduate Department for experienced elementary teachers, principals and supervisors, offering work leading to the degree of Master of Education; Elementary Education for those desiring certification for teaching in the elementary grades and specializing in kindergarten teaching, elementary school principalship or supervision; Home Economics for those wishing to be teachers of clothing and homemaking; Industrial Arts for those desiring to teach industrial arts or vocational subjects; Art Education for teachers of art in the public schools of the state; and the Department for Teachers of Handicapped Children which offers courses leading to the certification of teachers of the orthopedic, hard of hearing, children with impaired vision, speech correction, and the mentally retarded. Details of each of these departments appear on the following pages.

Graduate Department

On October 19, 1945 the Board of Regents approved the establishment of graduate courses at the New York State College for Teachers at Buffalo leading to the degree of Master of Education. These courses are offered during the Summer Session and in Extension classes and are designed to meet the needs of elementary teachers who are desirous of enhancing their academic qualifications and their professional proficiency.

1. Objectives and Nature of Proposed Graduate Work

a. To continue preparation in the elementary field for the purpose of extending and supplementing professional knowledges and skills.

b. To offer an opportunity to study another form of educational service in preparation for changing to such other type of service—e.g., from classroom teaching to administration or supervision or vice versa.

c. To provide training and experience in the field of educational research in order to foster more highly specialized knowledge in a chosen field.

2. Graduate work should be adapted to the increased maturity, to the richer background, to the stronger professional motivation and to the greater range of intellectual interests which characterize post-baccalaureate students in comparison with undergraduates. It places

greater emphasis on self-directed reading and investigation, emphasizes independent and constructive thinking, ability to find, organize and evaluate evidence and defend conclusions. In seeking to achieve these goals, high standards of performance will be required.

3. Instruction is characterized by:

- a. Intimate supervision of collateral reading, assigned papers and free discussion in small seminar groups.
- b. Minimum of formal lecturing.
- c. Insistence on high standards of accomplishment in courses acceptable for degree.
- d. Adequate measures of progress as indicated by appropriate evaluation techniques.

ADMISSION REQUIREMENTS

Admission to courses for graduate credit shall be restricted to:

- A. Students who hold an approved bachelor's degree and eligibility to teach in the elementary field.
- B. All candidates shall have demonstrated ability to do graduate work as measured by:
 - a. Scholastic achievement in undergraduate work;
 - b. Teaching experience and record;
 - c. Other evaluation measures as may be prescribed by the Graduate Council.

STANDARDS FOR A GRADUATE DEGREE

1. The quantitative requirement for the Master of Education degree shall be the completion of thirty-two semester hours of graduate credit.
2. No graduate degree shall be issued to a student who has not completed a minimum of a year's work in residence at Buffalo. If the residence requirement has been met preceding candidacy for the Master's degree, up to one-fourth of the total requirement (8 hours) may be transferred as graduate credit from another accredited college or university. In any case, the last sixteen hours preceding the award of the Master's degree must be taken at Buffalo.
3. Five Summer Sessions of six weeks each shall be regarded as the usual period of attendance for the completion of the thirty-two hour requirement for the Master of Education degree.
4. No more than eight semester hours or its equivalent shall be taken in "off campus" Extension classes.

5. Students holding what would be regarded as a full-time position should not be permitted to receive graduate credit for more than four semester hours in one semester of Saturday or Extension courses, except by special action of the Graduate Council.

6. No credits toward the attainment of the graduate degree shall be recognized after the lapse of seven years.

GRADUATE CURRICULUM

The following tentative program has been formulated as the 32-hour required curriculum for the graduate work at Buffalo:

- 6 Semester Hours—Seminar in Elementary Education and Supervision
- 6 Semester Hours—Workshop in Elementary Education
- 4 Semester Hours—Thesis
- 6 Semester Hours—English and/or Social Studies
- 6 Semester Hours—Unrestricted electives in one academic field
- 4 Semester Hours—Electives in any field

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THESIS

A thesis will be required allowing 4 hours of credit. It should evidence:

1. Ability of the candidate to work independently on an approved problem.
2. A reasonably wide familiarity with the literature of the subject.
3. A practical working knowledge of research methods.
4. Conclusions justified by supporting data.

For further information regarding our graduate program, address President Harry W. Rockwell, New York State College for Teachers, Buffalo 9, N. Y.

Elementary Education

The Elementary Education Curriculum is for those young men and women who are especially interested in devoting their professional interests to the elementary grades. It prepares the students to teach in all grades of the elementary school, kindergarten through the eighth grade. The State believes that an elementary teacher, to be successful, must be an individual with excellent personal preparation as well as professional perspective and technical knowledge and skill.

This curriculum makes ample provisions for these three aspects of one's total development. Approximately three-fourths of it are devoted to courses in general education and one-fourth to technical and professional courses. Students completing this curriculum are awarded the degree of Bachelor of Science in Education.

Opportunities are available for additional certification by a special selection of the electives. If one desires to become a Kindergarten teacher, her electives may include the courses indicated elsewhere in this catalog, thereby getting an extension to her certificate to specialize in Kindergarten teaching.

If one has ambitions for administrative or supervisory work in the elementary school, he may select as electives basic administrative courses as groundwork for later graduate courses.

Since the demand is on the increase for Teachers of the Physically Handicapped, arrangements have been made so that those interested may devote their electives to courses in this field and become certified to teach. Buffalo city schools offer excellent laboratory facilities for this special work, especially in the areas of the crippled, loss of vision, and hard of hearing. Note description of courses and statement of specific requirements elsewhere in this catalog.

GENERAL ELEMENTARY CURRICULUM

FIRST YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 101-102 Composition and Speech....	3	3	3	3
S. S. 101-102 History of Civilization.....	3	3	3	3
Ed. 101-102 Child Development.....	4	3	4	3
Art 101-102 Essentials of Art.....	3	2	3	2
Music 101-102 Essentials of Music.....	3	2	3	2
Physical Education Activities*.....	2	0	2	0
Math. 101 Introduction to Mathematics†...	3	3	...	...
Sci. 101 Physical Science†.....	...	...	4	3
Language Sequence** (Optional)	3	3	3	3
Latin, French, or Spanish (Elementary and advanced)				
Total hours	21	19	22	19

SECOND YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 201 Advanced Written Composition..	3	3	...	...
Eng. 204 English Literature .....	...	...	3	3
S. S. 201-202 Contemporary Civilization...	3	3	3	3
Ed. 201-202 The Child and the Curriculum I	4	3	4	3
Sci. 201-202 Biology.....	4	3	4	3
H. Ed. 201-202 Health Education*.....	3	1	3	1
Electives	3	3	3	3
Total hours	20	16	20	16

* In Physical Education and Health Education two hours per week are devoted to physical education activities for which no credit is given.

† If one of the language sequences is elected, Science 101 and Mathematics 101 are taken in Sophomore year during elective periods.

** All students not having two units of foreign language in high school must take a foreign language one year in college during freshman or sophomore year.

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 306 Advanced Oral Composition.....	3	3	...	...
Eng. 304 American Literature .....	...	...	3	3
S. S. 301-302 American Civilization and Government	3	3	3	3
Ed. 301-302 The Child and the Curriculum II	5	3	4	3
Phy. Ed. 301-302 Physical Education*.....	3	1	3	1
I. A. 303 Elementary Industrial Arts.....	...	...	4	3
Geo. 301 General Geography I.....	3	3	...	...
Electives	3	3	3	3
Total hours	20	16	20	16

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 401 Practicum in Teaching†.....	30	15	...	...
Ed. 402 Seminar in Elementary Education. ....	...	...	3	3
Eng. 402 Contemporary Literature.....	...	...	3	3
S. S. 402 Sociology.....	...	...	3	3
Geo. 402 General Geography II.....	...	...	3	3
H. Ed. 402 Health Protection*.....	...	...	4	2
Electives .....	...	...	3	3
Total hours	30	15	19	17

* In Health Education and Physical Education two extra hours per week are devoted to physical education activities for which no credit is given.

† One-half of the Junior class will take the Practicum in Teaching the second semester of the Junior year. The other half will take it in the first semester of the Senior year. The following table presents a tentative arrangement of the courses in the Junior and Senior years of our new curriculum to provide for the administration of this plan of practice teaching. This necessitates dividing our Junior and Senior classes into two divisions, a "teaching" and a "non-teaching" group for the Junior and Senior years.

THIRD YEAR

DIVISION A. (Junior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 301-302 The Child and the Curriculum II	9	6	...	...
S. S. 301 American Civilization and Government I	3	3	...	...
Geo. 301 General Geography I.....	3	3	...	...
Eng. 306 Advanced Oral Composition.....	3	3	...	...
Phy. Ed. 301 Physical Education*.....	3	1	...	...
Ed. 401 Practicum in Teaching.....	...	...	30	15
Total hours	21	16	30	15

DIVISION B. (Senior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 306 Advanced Oral Composition.....	...	...	3	3
Eng. 304 American Literature	3	3	...	...
I. A. 303 Elementary Industrial Arts.....	4	3	...	...
Geo. 301 General Geography I.....	...	...	3	3
Ed. 301-302 The Child and the Curriculum II .....	...	...	9	6
S. S. 301-302 American Civilization and Government	3	3	3	3
Phy. Ed. 301-302 Physical Education*.....	3	1	3	1
Electives	6	6	...	...
Total hours	19	16	21	16

* In Health Education and Physical Education, two extra hours per week are devoted to physical education activities for which no credit is given.

FOURTH YEAR

DIVISION A. (Junior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 402 Seminar in Elementary Education..	3	3	...	...
Eng. 402 Contemporary Literature.....	3	3	...	...
S. S. 402 Sociology.....	3	3	...	...
Geo. 402 General Geography II.....	3	3	...	...
H. Ed. 402* Health Protection.....	4	2	...	...
I. A. 303 Elementary Industrial Arts.....	...	...	4	3
Eng. 304 American Literature.....	...	...	3	3
S. S. 302 American Civilization and Government II .....	...	...	3	3
Phy. Ed. 302 Physical Education*.....	...	...	3	1
Electives	3	3	6	6
Total hours	19	17	19	16

DIVISION B. (Senior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 401 Practicum in Teaching.....	30	15	...	...
Ed. 402 Seminar in Elementary Education..	...	...	3	3
Eng. 402 Contemporary Literature .....	...	...	3	3
S. S. 402 Sociology .....	...	...	3	3
Geo. 402 General Geography II.....	...	...	3	3
H. Ed. 402* Health Protection.....	...	...	3	1
Electives .....	...	...	3	3
Total hours	30	15	18	16

* In Health Education and Physical Education, two extra hours per week are devoted to physical education activities for which no credit is given.

Home Economics Department

Professors Sipp, Ingersoll; Assistant Professors Pratt, Roudebush; Miss Keever, Miss Palmer, Miss Grant, Miss Johnson, Miss Buddenhagen, Miss Adams.

Cooperating Teachers in Home Economics Education: Pauline Martin, Angola; Arline Grefe, Buffalo, School 81; Mildred Lussow, Clarence; Virginia Fuller, Corfu; Mary S. Austin, East Aurora; Helen Agle, Eden; Ada B. Long, Lackawanna; June Clark, Middleport; Winifred Eakin, North Collins; Helen Yianilos, Tonawanda; Mary O'Toole, West Seneca; Frances Carothers, Wilson.

The main function of the Home Economics Department is to assist young women who wish to prepare for the teaching profession in New York State. The graduates of this department receive the degree of Bachelor of Science in Education and are eligible to teach homemaking in junior and senior high school, elementary schools and at the adult level.

A second important function of the department is to make available to students majoring in other departments the opportunity to extend their experience and understanding in the field of home and family life. Elective courses, planned to meet the needs of individual students registering for them, are offered for students in other departments.

HOME ECONOMICS MAJOR

This four year course is planned to provide for the development of the individual; to assist her in getting experiences in and gaining understanding of the various phases of homemaking; to help her in acquiring an understanding of the principles of the natural and social sciences and of art, as they impinge upon the home and family; to provide her with opportunities for gaining the kinds of experiences which she needs to extend her background for effective teaching and cooperative working with other agencies for improvement of home and family living in the community in which she is employed.

Various means are used to attain these goals, such as laboratory courses; field work in cooperation with homes, schools, social agencies and business; independent study and investigation; personal counseling and guidance. This sometimes involves activities outside of class hours and school days.

Observation and participation in teaching during the junior year are provided for in the School of Practice on the college campus, a neighboring village, and a Buffalo city school where there are programs in homemaking education for junior high school pupils.

Student teaching during the senior year is provided for in central and village schools which are representative of those in which students are placed upon graduation. These situations are selected on the bases of type of school, interest of the community and school administration, a teacher professionally interested and personally adapted to guiding student teachers, and public transportation facilities. See p. 54 for list of cooperating teachers in Home Economics Education.

Through the use of George-Deen Funds, the department is able to provide some follow-up service for its graduates. This service makes it possible not only to help young teachers in the field but to modify college courses in the light of the experience of the graduates.

SUMMER EXPERIENCE

All Home Economics students are required to secure additional practical experience during summers following the first three years in college. These experiences are planned in the spring as outgrowths of the year's work. The student plans with faculty members in the light of her needs as she sees them and the judgment of her instructors. Approved plans are filed in the department and written reports of the summer work together with such actual products as can be submitted and statements by employers are handed in on the opening day of college. Conferences with instructors who shared in the planning are held.

It is believed that this experience so planned will afford opportunities for

1. Increasing skills in homemaking
2. Improving the management of time, money and energy
3. Developing some ability to work with a family group and other social groups outside of the home
4. Developing independence, initiative, resourcefulness and responsibility
5. Realizing how some of the world's work is done by participation in industrial or commercial activities

No credit is given for summer experience but such experience is required.

ENTRANCE REQUIREMENTS

The requirements in this department are the same as stated on page 18 of this catalogue. Registration is limited and students are selected on the same basis as described on page 19.

High school courses in homemaking or home economics are not required for admission to the Home Economics Department. However, if students have not developed reasonable skill in foods and clothing at home or in school, additional non-credit courses are provided. Diagnostic tests are given to accepted students to determine those who have attained these skills.

ADMISSIONS WITH ADVANCED STANDING

Directions for students with advanced standing will be found on page 19. Address all inquiries regarding the Home Economics Department to the Director of Home Economics Department, N. Y. State College for Teachers, Buffalo 9, N. Y.

ELECTIVES FOR HOME ECONOMICS MAJORS

Provision is made for six semester hours of electives in the junior and senior years through which the student may pursue study further in any non-home economics field. For description of such courses refer to the Description of Courses as listed in the respective departments on subsequent pages of this catalog.

ELECTIVES FOR STUDENTS IN OTHER DEPARTMENTS

Much interest in studying certain aspects of home economics has been shown by students in Art Education and General Elementary Departments. Courses especially designed for these groups are listed as Home Economics 410, 411, 412. For description see p. —.

For Course Descriptions—both required and elective—offered by the Home Economics Department consult pp. ... to ... of this catalog.

HOME ECONOMICS CURRICULUM

FRESHMAN YEAR

Course Titles	First Semester		Second Semester	
	Semester		Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 101-102 Composition and Speech I.	3	3	3	3
S.S. 101-102 History of Civilization.....	3	3	3	3
Education 101-102 Child Development....	4	3	4	3
Science 123 Bacteriology	4	3	...	...
Science 124 Human Physiology and Hygiene	...	...	4	3
H.E. 101-102 Personal Living Problems...	6	4	6	4
Orientation	1	...	...	...
Physical Education—Gym and Pool.....	2	...	2	...
	23	16	22	16

SOPHOMORE YEAR

Course Titles	First Semester		Second Semester	
	Semester		Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 201-202 Composition and Speech II	3	3	3	3
S.S. 222 Principles of Economics.....	...	...	3	3
Science 224 Physical Science.....	4	3	...	...
Science 225-226 Elements of Inorganic and Organic Chemistry	4	3	4	3
H.E. 203 The Child in the Family.....	6	4	...	...
H.E. 204 Clothing and Costume Design...	...	...	6	4
H.E. 205 Foods and Nutrition.....	5	3	...	...
Art 221 Essentials of Home Arts.....	...	...	4	3
Physical Education—Gym and Pool.....	2	...	2	...
	24	16	22	16

JUNIOR YEAR

Course Titles	First Semester		Second Semester	
	Semester		Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
S. S. 323 Principles of Sociology.....	4	3	...	...
S. S. 301-302 American History and Gov- ernment	3	3	3	3
H. E. 303 Economics of the Household....	...	...	5	4
H. E. 305 Clothing and Costume Design...	3	2	...	...
H. E. 306 Foods and Nutrition.....	...	...	5	3
Art 322 Home Furnishings.....	...	...	4	3
Science 324 Chemistry Applied to Home Economics .....	...	...	4	3
Education 323 Home Economics Methods and Materials	8	6	...	...
Elective	3	3	...	...
	21	17	21	16

SENIOR YEAR

Course Titles	First Semester		Second Semester	
	Semester		Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
H. E. 401 Home Management.....	5	4	...	...
H. E. 403 Family Relationships.....	3	3	...	...
Education 421 Teaching Practicum	15	9	...	...
H. E. 405 Household Physics and Equipment	...	...	4	3
Art 421 Art Appreciation.....	...	...	4	3
H. E. 407 Housing and Home Planning....	...	...	4	3
English 204 English Literature .....	...	...	3	3
Elective .....	...	...	3	3
	23	16	18	15

Industrial Arts Teacher—Training Department

Professor Perkins; Assistant Professors Quackenbush, Grabau, Neuthardt, Weber; Mr. Brossman (on leave), Mr. Morrice, Mr. Fontana, Mr. Callan, Mr. Weigand, Mr. Mandel, Mr. Steffen, Mr. Harlan, Mr. Strong, Mr. Waagen, Mr. Finsterbach.

The Industrial Arts Department prepares teachers for Industrial Arts positions in the junior and senior high schools of New York State. It covers comprehensively all phases of work in metal, wood, graphic arts, electricity, transportation, ceramics and textiles.

Students also receive sufficient training in mechanical drawing and blueprint reading to enable them to understand mechanical representation of shop projects. Through cooperation with the Art Department, they will have an excellent appreciation of design applied to shop projects.

The entire four-year program gives not only specific training in the fields of Industrial Arts but offers an excellent training in literature, mathematics, science and social studies.

Students completing satisfactorily the four-year program receive the degree of Bachelor of Science in Education. In addition, they receive a license to teach in both the junior and senior high schools, such license to become permanent when the student has completed thirty hours of work on a graduate level.

Students should meet the general requirements printed in the forepart of this bulletin but applicants to this department should present preferably two units of Mathematics, one unit of General Science or Biology, and one unit of Physics or Chemistry. It is desirable that students seeking admission should have definite aptitude for mechanical work although experience has shown that students who have not had the opportunity of home shop work or practical industrial experience often are as successful as those who have had contact with mechanical activities.

TRANSFER STUDENTS

The department offers to transfer students full credit for general courses in English, mathematics and history. Those who have taken technical subjects or shop work in a similar curriculum in other institutions are also granted full credit. College graduates who wish to extend their license to the field of Industrial Arts will also be

considered in order that they may earn the credit for a provisional certificate as specified by the State Education Department in Certification Bulletin No. 2. Briefly, this requires 18 hours in professional courses and 36 hours in appropriate Industrial Arts courses.

EX-SERVICEMEN

Provision has already been made to enroll ex-servicemen who wish to prepare for teaching under the provisions presented by the Veterans Administration.

Those wishing to take up the work of this department must meet the regular requirements for admission.

INDUSTRIAL ARTS CURRICULUM

FIRST YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 101-102 Composition and Speech I..	4	3	4	3
I. A. 103-104 Mechanical Drawing	4	3	4	3
Math. 102 General Mathematics	3	3	...	...
Math. 104 Applied Mathematics .....	...	...	3	3
Art 111-112 Essentials of Industrial Art....	3	2	3	2
I. A. 101 Electric Shop	15	5	...	...
I. A. 102 Wood Shop .....	...	...	15	5
	29	16	29	16

SECOND YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 202 Speech II	4	3	...	...
Ed. 203 Educational Psychology	4	3	...	...
Sci. 205-206 Physics	4	3	4	3
S. S. 205 Contemporary Civilization .....	...	...	3	...
I. A. 211 Principles and Practice of Industrial Arts I.....	...	...	2	2
I. A. 201 Transportation Shop	15	5	...	...
I. A. 202 General Metal Shop.....	...	...	15	5
Elective	3	3	3	3
	30	17	27	16

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
I. A. 311-312 Principles and Practice of Industrial Arts II & III.....	2	2	2	2
S. S. 301-302 American Civilization and Government	3	3	3	3
Sci. 301-302 Chemistry	4	3	4	3
Eng. 204 English Literature.....	3	3	...	...
I. A. 301 Graphic Arts Shop.....	7½	2½	...	...
I. A. 302 General Shop .....	...	...	15	5
Shop Elective	7½	2½	...	...
Elective .....	...	...	3	3
	27	16	27	16

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
I. A. 411 Practice Teaching and Conference	25	15	...	...
S. S. 421 Industrial History and Labor Problems .....	...	...	3	3
Shop Elective .....	...	...	15	5
T. A. 406 Ceramics and Textiles.....	...	...	8	8
	25	15	26	16

ELECTIVES

General Electives. Complete list of electives as outlined in Description of Courses.

Art Education Department

Professor Czurles, Assistant Professors Winebrenner, Smay; Mrs. Karcher, Mrs. Heyman, Mrs. Wolf, Miss Meibohm.

The Art Education Department offers a curriculum for the education of teachers of art. Graduates of this Department receive the degree of Bachelor of Science in Education and are eligible to teach Art in the elementary, junior, and senior high schools of New York State.

The Department also provides the art courses for the General Elementary, Home Economics, Education for the Handicapped, and Industrial Arts Departments.

AN AFFILIATED PROGRAM OF ART EDUCATION

This is an affiliated program. It utilizes the facilities of the Albright Art School and the Albright Art Gallery as well as those of the various departments of this College. Students are thus enabled to gain technical training in an Art School at the same time that they are receiving a general and professional education in a Teachers College.

The permanent collection in the Albright Art Gallery and the constantly changing exhibits brought from other cities give the students an exceptional opportunity to study the art of the past and the present and to hear special lectures on art while they are developing their own art knowledges and skills.

The Albright Art School has a highly trained faculty, active in professional art work, and offers excellent teaching facilities in a series of well equipped studios and workshops.

DRAWING, PAINTING, AND DESIGN

At the Art School where the students spend three hours each day during the first three years, they pursue a sequence of courses which provides experiences in creation and expression ranging from the most representative to the most abstract. They handle both two- and three-dimensional media.

Design is stressed as a functional thing growing out of the materials of construction and the purpose of the creation. Such representational experiences as figure drawing and oil painting are not limited by imitative aims alone but are designed to retain and develop the creative faculties as well. A study is made of various color,

design, and perspective theories and of certain fundamentals involved in lettering and various forms of commercial art. Other courses offer experience and training in using art knowledges and skills in the solution of home, community, and personal appearance problems.

CRAFTS

Courses in crafts are given at the New York State College for Teachers. These include a full year of mechanical drawing which is given in the Industrial Arts Department where, in the atmosphere of shop and drafting room, the work takes on full meaning. Other work includes elementary crafts suitable for the first six grades of school and requires very little special equipment but stresses creativeness with common materials and processes and work in the advanced crafts, suitable for the high schools. The latter include: design, construction and decoration in textiles, leather, wood, light metal, jewelry and ceramics. The course in stage craft includes shadow and string puppets, costume and scenery design and experience in staging at least one production in conjunction with the Dramatic Department of the College.

CULTURAL DEVELOPMENT

The General Elementary Department of the college provides courses of a liberal cultural nature to round out the preparation of the art teacher. Several courses in English composition and literature, biological and physical science, history and some elective work are included in the program. A course in the history of art continuing through one year constitutes a careful survey of the development of the arts through the ages and adds greatly to the students' cultural background. During the first year students are required to participate in gymnasium activities and swimming, and in the second year to attend a course in Health Education. This is to enable each student to know how to keep physically fit and to encourage her to continue these recreational activities throughout the remaining two years. Elective courses may be selected from the offerings of the college outside the field of art education.

PROFESSIONAL EDUCATION

The professional education course at the college includes the study of child development with observation of children, and other psychological study to aid the future teacher in her work. An orientation

course follows in the second year to afford a broad view of art education in relation to the object of general education. Study of art curriculum needs at different age levels and in various types of schools prepares the students for their practice teaching experiences in the schools of Western New York. Through both theory and practice, students become acquainted with changing conceptions of art education and the aims and methods of work as carried on in different schools and at all age levels.

ADVANCED STANDING AND CERTIFICATION

Applicants for admission to advanced standing in this department will be informed of the requirements for the degree upon evaluation of transcripts. College graduates who hold a certificate to teach common branch subjects or an academic subject may secure a provisional certificate to teach art by completing the following requirements of the State education department.

Teaching methods and materials in art..... 4 to 8 semester hours
 Technical Art courses 36 semester hours

Distributed as follows:—

Design and crafts16 to 20 semester hours
 Drawing and painting10 to 14 semester hours
 Mechanical drawing 2 to 4 semester hours
 History and Appreciation of Art..... 2 to 4 semester hours

THE COST

All students admitted to the Art Education Department are required to pay the regular college fees for each of the four years and a tuition of \$125 per year for each of the first three years during which time they take work at the affiliated Albright Art School. The tuition is payable to the Albright Art School at the rate of \$62.50 each semester. The total cost for this training is considerably lower than that at the average art school.

ART EDUCATION CURRICULUM

This curriculum is made up of technical studies, cultural and professional in balanced proportion, as follows:

	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
<i>First Year</i>				
Ed. 101-102 Child Development.....	3	3	3	3
Eng. 101-102 Composition and Speech....	3	3	3	3
Sci. 103-104 Biology.....	3	2	3	2
Orientation and Library.....	1	0	1	0
Swimming and Gymnasium.....	2	0	2	0
*Art 103-104 Drawing.....	5	2½	5	2½
*Art 105 Perspective.....	3	1½	...	...
*Art 107-108 Principles.....	2	1	2	1
*Art 109 Materials.....	5	2½	...	...
*Art 106 Ornament.....	...	...	5	2½
*Art 110 Color.....	...	...	3	1½
<i>Second Year</i>				
Art 211 Introduction to Art Ed.....	27	15½	27	15½
S. S. 204 History of Civilization.....	3	3	...	...
Eng. 205-206 Literature.....	3	3	3	3
H. Ed. 201-202 Health Education.....	1	1	1	1
I. A. 203-204 Mechanical Drawing.....	4	2	4	2
*Art 203 Life Drawing.....	9	4½	...	...
*Art 204 Perspective.....	...	...	3	1½
*Art 206 Water Color.....	...	...	6	3
*Art 205 Form.....	6	3	...	...
*Art 208 Lettering.....	3	...	3	1½
*Art 210 Costume.....	...	...	3	1½
	26	16½	26	16½
<i>Third Year</i>				
Art 311-312 Art Curriculum.....	3	2	3	2
Sci. 307 Physical Science.....	4	3	...	...
Art 301-302 Art History.....	3	3	3	3
Art 310 Elementary Crafts.....	...	...	4	2
Elective (General College Subjects).....	...	...	2	2
*Art 303 Pictorial Design.....	6	3	...	...
*Art 304 Oil Painting.....	...	...	6	3
*Art 305 Functional Design.....	9	4½	...	...
*Art 306 Processes.....	...	...	6	3
*Art 308 Interior Decoration.....	...	...	3	1½
	25	15½	27	16½
<i>Fourth Year</i>				
S. S. 402 Sociology.....	...	...	3	3
Electives (General College Subjects).....	...	...	6	6
*Art 403 Stage Craft.....	...	...	8	4
Art 402 Advanced Craft.....	...	...	8	4
*Art 404-405 Practice Teaching and Seminar	30	15	...	...
	30	15	25	17

* Courses taken at the Albright Art School.

Department of Education for Handicapped Children

Upon initial entrance to New York State College for Teachers a student may declare his intention of enrolling in the Department of Education for Handicapped Children, or if he is undecided he may withhold his decision until the beginning of the second semester of his sophomore year. In either case the student will follow an elementary education training program for the freshman year and enroll in Ed. H. 201 during the first semester of the sophomore year. For students enrolled in the Department of Education for Handicapped Children Ed. H. 201 is required, for students in the Elementary Education Department it may be used as an elective.

The five areas of specialization in the Department of Education for Handicapped Children are:

1. Education of the Hard of Hearing Children
2. Education of Mentally Retarded Children
3. Education of Orthopedically Handicapped Children
4. Education of Partially-sighted Children
5. Speech Correction

Upon graduation each student meeting the requirements in a field of specialization will be certified by the New York State Department of Education to teach not only his chosen specialty but also in the elementary grades. A student majoring in special education may select only one field in which to concentrate.

Through the cooperation of the Buffalo Public Schools, Meyer Memorial Hospital, Children's Hospital and Crippled Children's Guild and The Cerebral Palsy School clinics and special classes are used for observation, participation and practice teaching. For further information write to Dr. M. H. Fouracre, Director, Department of Education for Handicapped Children, New York State College for Teachers, Buffalo 9, New York.

CURRICULUM FOR THE TRAINING OF TEACHERS OF ORTHOPEDICALLY HANDICAPPED CHILDREN

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
FIRST YEAR				
English 101-102 Comp. and Speech.....	3	3	3	3
S. S. 101-102 History of Civilization.....	3	3	3	3
Ed. 101-102 Child Development.....	4	3	4	3
Art 101-102 Essentials of Art.....	3	2	3	2
Music 101-102 Essentials of Music.....	3	2	3	2
Physical Education.....	2	0	2	0
Math. 101 Introduction to Math.....	3	3	...	...
Science 101 Physical Science.....	...	...	4	3
	21	16	22	16

SECOND YEAR

English 201 Adv. Written Comp.....	3	3	...	...
S. S. 201-202 Contemp. Civilization.....	3	3	3	3
Ed. 201-202 Child and the Curriculum....	4	3	4	3
Science 201-202 Biology.....	4	3	4	3
Health 201-202.....	3	1	3	1
English 204 English Literature.....	...	...	3	3
*Ed. H. 201 Ed. of Handicapped Children..	3	3	...	...
*Ed. H. 202 Psych. of Subnormal.....	...	...	3	3
	20	16	20	16

THIRD YEAR

Ed. 301-302 Child and the Curriculum..	9	6	...	...
S. S. 301-302 American Civilization.....	3	3	3	3
Physical Education 301-302.....	3	1	3	1
Art 302 Ind. and Practical Art.....	...	...	4	3
Geog. 301 General Geography.....	3	3	...	...
English 304 American Literature.....	...	...	3	3
*Ed. H. 328 Sp. Class Methods (Orthopedic)	...	...	3	3
*Ed. H. 307 Speech Pathology.....	3	3	...	...
*Ed. H. 310 Mental Measurement.....	...	...	3	3
	21	16	19	16

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 401 Practicum (General Elementary) ..	16	8	...	...
*Ed. H. 407 Practicum (Orthopedic)	14	7	...	...
Ed. 402 Seminar Elementary Education .....	...	...	3	3
Geog. 402 General Geography .....	...	...	3	3
S. S. 402 Sociology .....	...	...	3	3
Health Ed. 402 .....	...	...	4	2
English 402 Contemp. Literature .....	...	...	3	3
*Ed. H. 408 Seminar—Ed. of Orthopedically Handicapped Children .....	...	...	3	3
	30	15	19	17

* Leading to certification in the field of education of orthopedically handicapped children.

Total special education credit hours—25.

CURRICULUM FOR THE TRAINING OF TEACHERS OF HARD OF HEARING CHILDREN

FIRST YEAR

	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 101–102 Comp. and Speech	3	3	3	3
S. S. 101–102 History of Civilization	3	3	3	3
Ed. 101–102 Child Development	4	3	4	3
Art 101–102 Essentials of Art	3	2	3	2
Music 101–102 Essentials of Music	3	2	3	2
Physical Education	2	0	2	0
Math 101 Introduction to Math	3	3	...	...
Science 101 Physical Science .....	...	...	4	3
	21	16	22	16

SECOND YEAR

	Class Hours	Credit Hours	Class Hours	Credit Hours
English 201 Adv. Written Comp.	3	3	...	...
S. S. 201–202 Contemp. Civilization	3	3	3	3
Ed. 201–202 Child and the Curriculum ..	4	3	4	3
Science 201–202 Biology	4	3	4	3
Health 201–202	3	1	3	1
English 204 English Literature .....	...	...	3	3
*Ed. H. 201 Ed. of Handicapped Children ..	3	3	...	...
*Ed. H. 204 Science of Speech and Hearing ..	...	...	3	3
	20	16	20	16

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 301–302 Child and the Civilization ..	9	6	...	...
S. S. 301–302 American Civilization	3	3	3	3
Physical Education	3	1	3	1
Art 302 Ind. and Practical Art .....	...	...	4	3
Geog. 301 General Geography .....	...	...	3	3
English 304 American Literature	3	3	...	...
English 402 Contemp. Literature .....	...	...	3	3
*Ed. H. 307 Speech Pathology	3	3	...	...
*Ed. H. 311 Lip Reading	2	2	...	...
*Ed. H. 324 Special Class Methods (Hard of Hearing) .....	...	...	3	3
	23	18	19	16

FOURTH YEAR

	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 401 Practicum (General Elementary) ..	16	8	...	...
*Ed. H. 403 Practicum (Hard of Hearing) ..	14	7	...	...
Ed. 402 Seminar Elemn. Educ. ....	...	...	3	3
Geog. 402 General Geog. ....	...	...	3	3
S. S. 402 Sociology .....	...	...	3	3
Health Ed. 402 .....	...	...	4	2
*Ed. H. 404 Seminar in Education of Hard of Hearing Children .....	...	...	3	3
*Ed. H. 422 Audiometry .....	...	...	3	2
	30	15	19	16

* Leading to certification in the field of education of hard of hearing children.
Total special education credit hours—26.

CURRICULUM FOR TEACHERS OF PARTIALLY-SIGHTED CHILDREN

FIRST YEAR

	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 101–102 Comp. and Speech	3	3	3	3
S. S. 101–102 Hist. of Civil.	3	3	3	3
Ed. 101–102 Child Development	4	3	4	3
Art 101–102 Essentials of Art	3	2	3	2
Music 101–102 Essentials of Music	3	2	3	2
Physical Education	2	0	2	0
Math 101 Introduction to Math	3	3	...	...
Science 101 Physical Science .....	...	...	4	3
	21	16	22	16

SECOND YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 201 Adv. Written Comp.....	3	3	...	...
S. S. 201-202 Contemp. Civilization.....	3	3	3	3
Ed. 201-202 Child and the Curriculum..	4	3	4	3
Science 201-202 Biology.....	4	3	4	3
Health Education 201-202.....	3	1	3	1
English 204 English Literature.....	...	...	3	3
*Ed. H. 201 Ed. of Handicapped Children..	3	3	...	...
Elective .....	...	...	3	3
	20	16	20	16

THIRD YEAR

	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 301-302 Child and the Curriculum...	9	6	...	...
S. S. 101-102 History of Civilization.....	3	3	3	3
Physical Education 301-302.....	3	1	3	1
Art 302 Ind. and Practical Art.....	...	...	4	3
Geog. 301 General Geography.....	3	3	...	...
English 304 American Literature.....	...	...	3	3
*Ed. H. 301-302 Survey of Eye Conditions	2	1	2	2
*Ed. H. 330 Sp. Class Methods (Sight Cons.)	...	...	3	3
*Ed. H. 303 Practical Art for Handicapped Children	4	3	...	...
	24	17	18	15

FOURTH YEAR

Ed. 401 Practicum (General Elementary)...	16	8	...	...
*Ed. H. 401 Practicum (Partially Sighted)...	14	8	...	...
Ed. 402 Seminar in Elementary Education..	...	...	3	3
Geog. 402 General Geography.....	...	...	3	3
S. S. 402 Sociology.....	...	...	3	3
Health Educ. 402.....	...	...	4	2
*Ed. H. 410 Seminar—Education of Partially-Sighted .....	...	...	3	3
English 402 Contemp. Literature.....	...	...	3	3
	30	15	19	17

*Leading to certification in field of Ed. of Partially-Sighted Children.
Total special education credit hours—22.

CURRICULUM FOR THE TRAINING OF TEACHERS OF MENTALLY RETARDED CHILDREN

FIRST YEAR

	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 101-102 Comp. and Speech.....	3	3	3	3
S. S. 101-102 History of Civilization.....	3	3	3	3
Ed. 101-102 Child Development.....	4	3	4	3
Art 101-102 Essentials of Art.....	3	2	3	2
Music 101-102 Essentials of Music.....	3	2	3	2
Physical Education.....	2	0	2	0
Math 101 Introduction to Math.....	3	3	...	...
Science 101 Physical Science.....	...	...	4	3
	21	16	22	16

SECOND YEAR

English 201 Adv. Written Comp.....	3	3	...	...
S. S. 201-202 Contemp. Civilization.....	3	3	3	3
Ed. 201-202 Child and the Curriculum..	4	3	4	3
Science 201-202 Biology.....	4	3	4	3
Health Ed. 201-202.....	3	1	3	1
English 204 English Literature.....	...	...	3	3
*Ed. H. 201 Ed. of Handicapped Children..	3	3	...	...
*Ed. H. 202 Psychology of Subnormal Children .....	...	...	3	3
	20	16	20	16

THIRD YEAR

Ed. 301-302 Child and the Curriculum....	9	6	...	...
S.S. 301-302 American Civilization.....	3	3	3	3
Physical Ed. 301-302.....	3	1	3	1
Art 302 Ind. and Practical Art.....	...	...	4	3
Geog. 301 General Geography.....	3	3	...	...
English 304 American Literature.....	...	...	3	3
*Ed. H. 303 Practical Arts of Hand.....	4	3	...	...
*Ed. H. 310 Mental Measurement.....	...	...	3	3
*Ed. H. 322 Special Class Methods (Ment. ret.) .....	...	...	3	3
	22	16	19	16

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 401 Practicum (General Elementary) .	16	8	...	...
*Ed. H. 401 Practicum (Ment. Retarded) 14..	7	...	...	...
Ed. 402 Seminar Elem. Ed. ....	...	...	3	3
Geog. 402 General Geog. ....	...	...	3	3
S.S. 402 Sociology. ....	...	...	3	3
Health Ed. 402. ....	...	...	4	2
English 402 Contemp. Literature. ....	...	...	3	3
*Ed. H. 402 Seminar in Education of Mentally Retarded Children. ....	...	...	3	3
	30	15	19	17

*Leading to certification in the field of education of mentally retarded children.
Total special education credit hours—25.

CURRICULUM FOR THE TRAINING OF TEACHERS OF SPEECH DEFECTIVE CHILDREN

FIRST YEAR

	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
English 101-102 Comp. and Speech.	3	3	3	3
S. S. 101-102 History of Civilization.	3	3	3	3
Ed. 101-102 Child Development.	4	3	4	3
Art 101-102 Essentials of Art.	3	2	3	2
Music 101-102 Essentials of Music.	3	2	3	2
Music 101-102 Essentials of Music.	3	2	3	2
Physical Education.	2	0	2	0
Math 101 Introduction to Math.	3	3	...	...
Science 101 Physical Science. ....	...	...	4	3
	21	16	22	16

SECOND YEAR

English 201 Adv. Written Comp.	3	3	...	...
S. S. 201-202 Contemp. Civil.	3	3	3	3
Ed. 201-202 Child and the Curriculum. .	4	3	4	3
Science 201-202 Biology.	4	3	4	3
Health Ed. 201-202.	3	1	3	1
English 204 English Literature. ....	...	...	3	3
*Ed. H. 201 Ed. of Handicapped Children. .	3	3	...	...
*Ed. H. 204 Science of Speech and Hearing	...	...	3	3
	20	16	20	16

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Ed. 301-302 Child and the Curriculum. .	9	6	...	...
S. S. 301-302 American Civilization.	3	3	3	3
Physical Education.	3	1	3	1
I. A. 303 Elementary Ind. Arts. ....	...	...	4	3
Geog. 301 General Geography. ....	...	...	3	3
English 304 American Literature. ....	...	...	3	3
*Ed. H. 307 Speech Pathology.	3	3	...	...
*Ed. H. 305 Phonetics.	3	3	...	...
*Ed. H. Speech Correction and Clinic. ....	...	...	6	3
	21	16	22	16

FOURTH YEAR

Ed. 401 Practicum (General Elementary) .	16	8	...	...
*Ed. H. 405 Practicum (Sp. Correction) . . .	14	7	...	...
Ed. 402 Seminar Elementary Education. . .	...	...	3	3
Geog. 402 General Geog. ....	...	...	3	3
S.S. 402 Sociology. ....	...	...	3	3
Health Educ. 402. ....	...	...	4	2
*Ed. H. 406 Seminar in Speech Correction. .	...	...	3	3
English 402 Contemp. Literature. ....	...	...	3	3
	30	15	19	17

*Leading to certification in the field of education of speech defective children.
Total special education credit hours—25.

DESCRIPTION OF COURSES

EXPLANATION OF COURSE NUMBERS

All credit courses have three figure numbers. Courses numbered below 100 are non-credit remedial courses. Graduate courses are numbered 500 and above. Those numbered from 100 to 199 are primarily freshmen courses; those from 200 to 299 primarily sophomore courses; those from 300 to 399 primarily junior courses; those from 400 to 499 primarily senior courses.

ELECTIVE COURSES

All curricula offered by the college permit students to select elective courses. The number of semester hours elective credit varies among the departments. In general the electives are offered only to the upper classes: sophomore, junior, and senior. Tentative elective courses are listed for each department and are subject to change or cancellation in accordance with changing demands or circumstances. Students should confer with faculty advisers in choice of electives.

ART EDUCATION

Professor Czurles; Assistant Professors Winebrenner, Smay; Mrs. Karcher, Mrs. Heyman, Mrs. Wolf, Miss Meibohm.

Art 101-102. Essentials of Art. Fundamental principles and techniques of art and the appreciation of various forms of art expression. Appreciation is gained through acquired knowledge and experience in the field of art as it functions in the life of the individual, the school, and the community. Required of all General Elementary freshmen. Three hours per week each semester. Credit: four semester hours.

***103-104. Drawing.** Study of contour, form, light and shade, and modeled surface by drawing from objects and living models. Use of pencil, brush and pen. Required of all Art Education freshmen. Five hours per week each semester. Credit: two and one-half semester hours.

***105. Elementary Perspective.** Fundamental principles of visual representation of form. Required of all Art Education freshmen. Three hours per week. Credit: one and one-half semester hours.

***106. Ornamental Design.** Study of historic ornament and its relation to creative design. Required of all Art Education freshmen. Five hours per week. Credit: two and one-half semester hours.

***107-108. Principles of Art.** Lectures and discussions of fundamental art concepts for the purpose of orientation. Required of all Art Education freshmen. Two hours per week each semester. Credit: two semester hours.

* Albright Art School courses.

***109. Materials in Design.** Development of general design principles from experiments in three dimensional form. Required of all Art Education freshmen. Five hours per week. Credit: two and one-half semester hours.

***110. Color in Design.** Color theory and practice as applied in creative design. Required of all Art Education freshmen. Three hours per week. Credit: one and one-half semester hours.

111-112. Essentials of Industrial Art. Fundamental principles of structural and decorative design and their application in handicraft and industrial production. Selection and appraisal of objects of artistic merit. The practical application of design in the various materials and processes of the industrial arts program. Original design of shop projects. Required of Industrial Arts freshmen. Three hours per week each semester. Credit: four semester hours.

***203. Life Drawing.** Figure work in charcoal, pencil and pen. Applied anatomy. Required of all Art Education sophomores. Nine hours per week. Credit: four and one-half semester hours.

***204. Advanced Perspective.** Various approaches to the problems of perspective and their application in practice. Required of all Art Education sophomores. Three hours per week. Credit: one and one-half semester hours.

***205. Design in Form.** Modeling clay and carving in hard plaster with emphasis on plastic organization. Required of all Art Education sophomores. Six hours per week. Credit: three semester hours.

***206. Water-color Painting.** Still life, figure sketch and landscape. Required of all Art Education sophomores. Six hours per week. Credit: three semester hours.

***208. Design in Lettering.** Free hand lettering and sign writing. Letter structure and spacing. Required of all Art Education sophomores. Three hours per week. Credit: one and one-half semester hours.

***210. Costume Design.** Principles of taste in contemporary dress. Tradition and function in costuming. Required of Art Education sophomores. Three hours per week. Credit: one and one-half semester hours.

211. Introduction to Art Education. Art in American life and education. General and special aims, objectives and procedures. Standards, tests and measures. Required of all Art Education sophomores. Three hours per week. Credit: three semester hours.

221. Essentials of Home Arts. Fundamental principles of structural and decorative design and their application in the immediate environment. Required of Home Economics sophomores. Four hours per week. Credit: three semester hours.

301-302. History of Art I and II. Survey of the historic development of the visual arts from prehistoric to contemporary times. Illustrated lectures, gallery visits, required readings and discussion. Required of Art Education juniors, elective for General Elementary students. Three hours per week each semester. Credit: six semester hours.

* Albright Art School courses.

***303. Pictorial Design.** A study of picture structure in line, values, implied space and color. Required of Art Education juniors. Six hours per week. Credit: three semester hours.

***304. Oil Painting.** Study of the fundamentals of form representation, still life as subject matter and oil paint as medium. Required of all Art Education juniors. Six hours per week. Credit: three semester hours.

***305. Functional Design.** Structural and esthetic problems in the design of everyday objects. Model making. Required of all Art Education juniors. Nine hours per week. Credit: four and one-half semester hours.

***306. Processes and Techniques.** Experiments in reproduction methods as used in art education. Stencil, block printing, silk screen. Industrial reproduction methods. Required of all Art Education juniors. Six hours per week. Credit: three semester hours.

***308. Interior Decoration.** Design principles as applied to problems of home decoration and furnishing. Simple models and renderings. Required of all Art Education juniors. Three hours per week. Credit: one and one-half semester hours.

310. Elementary Crafts. Simple constructions and decorations suitable for the elementary school. Various materials—paper, cardboard, papier mache, cloth, wood, clay and others. Required of all Art Education juniors. Four hours per week. Credit: two semester hours.

311. Elementary School Art Curriculum. The development and organization of art education in the elementary school. Required of all Art Education juniors. Three hours per week. Credit: two semester hours.

312. Secondary Art Curriculum. The organization, selection and presentation of subject matter in junior and senior high school. Required of all Art Education juniors. Three hours per week. Credit: two semester hours.

316. Industrial Arts Design. The practical application of design in the various materials and processes of the industrial arts program. Original design of shop projects. Required of all Industrial Arts juniors. Three hours per week. Credit: two semester hours.

322. Home Furnishings. The solution of various art problems involved in the selection and arrangement of home furnishings. Practical problems approached from both economic and artistic angles. Required of all Home Economics juniors. Four hours per week. Credit: three semester hours.

400. Workshop in Crafts. Studio course in various crafts including leather work, metal work, ceramics and jewelry. Class and individual instruction with considerable election as to the projects to be undertaken. Five hours per week. Credit: three semester hours.

402. Advanced Craft. Designing, constructing and decorating in various materials suitable for secondary schools: textiles, leather, ceramics and metal. Required of all Art Education seniors. Eight hours per week. Credit: four semester hours.

* Albright Art School courses.

403. Stage Craft. Designing and making stage materials, marionettes, miniature stage sets, masks, etc. Staging at least one production of the dramatic department. Required of Art Education seniors. Eight hours per week. Credit: four semester hours.

404. Elementary Practice Teaching and Seminar. Practice teaching in assigned elementary schools four full days per week under supervision. One day seminar discussion and preparation. Required of all Art Education seniors. One half semester. Credit: seven and one-half semester hours.

405. Secondary Practice Teaching and Seminar. Practice teaching in assigned secondary schools four full days per week under supervision. One day seminar discussion and preparation. Required of all Art Education seniors. One half semester. Credit: seven and one-half semester hours.

421. Art Appreciation. Understanding the Arts. Interpretation of art as the expression of traditional and functional influences. Study of selected historic masterpieces in architecture, sculpture, painting and the minor arts. Gallery visits, lectures and readings. Required of all Home Economic seniors, elective for General Elementary students. Three hours per week. Credit: three semester hours.

EDUCATION

Professors Hertzberg, Crayton, Pugsley, Sloan, Steel, Wofford; Assistant Professors Metz, O'Brien, Quayle; Mr. Bruce, Miss Jamison, Miss Martorana.

101-102. Child Development. Aims to develop a scientific attitude toward the study and interpretation of human behavior. Discussion of problems and methods of child study; foundations of behavior; individual differences; physical, mental, emotional and social development at different ages; effect of home, community and the school on the growth and development of children; study of personality development. A minimum of eight double periods each semester will be devoted to directed observation. Required of all General Elementary freshmen. Also required of all Art Education and Home Economics freshmen. Three hours per week; one hour additional when observing. Each semester. Credit: six semester hours.

201-202. The Child and the Curriculum I. Topics: Scope of the elementary school; sociological background of the school; nature and meaning of the curriculum; objectives of elementary education; curriculum sources; guides to the areas of curriculum content; theoretical explanations of child learning; physiological and psychological factors affecting learning; course of improvement in learning; aids to effective learning; transfer of training; the teaching of reading. A minimum of eight double periods of directed observation and participation in the elementary school each semester. Required of all General Elementary sophomores. Prerequisite: Ed. 101-102. Three hours per week; one additional hour when observing. Each semester. Credit: six semester hours.

203. Educational Psychology. Aims to develop a scientific attitude in studying and interpreting educational problems relating to human growth and development. Discussion of the interaction of heredity, environment, and maturation in producing physical, motor, mental, emotional, social and moral differences in individuals; expressing statistically likenesses and differences in individuals; problems of mal-adjustment; nature and characteristics of learning; how learning should be directed and controlled; attention; fatigue; transfer of training; use of measurement

in evaluating human development and learning. A minimum of six double periods will be devoted to directed observation. Required of all Industrial Arts sophomores. Three hours per week; one hour additional when observing. First semester. Credit: three semester hours.

301-302. The Child and the Curriculum II. A prerequisite to practice teaching. Activities include observation, classroom participation, class discussion and conferences with instructors. Units provide for (1) introducing the participant to the teacher pupil relationships, (2) experience in selecting, organizing and presenting the materials of instruction in various school subjects and on different grade levels and (3) methods of evaluating pupil progress. Required of all General Elementary juniors. Prerequisites: Ed. 101-102, Ed. 201-202. Nine hours per week. Each semester. Credit: six semester hours.

401. Practicum in Teaching. A combined course of teaching under supervision and conferences on teaching problems. Students teach four days each week and attend conferences at the college on the fifth day. Both the practice and the theory of lesson planning, class and individual instruction, classroom management, program-making, records of attendance and achievement, diagnostic and achievement testing, remedial teaching as they relate to the growth and development of children are studied.

Prerequisites: A passing grade in Oral English, a grade of "C" in Education 301-2 and a cumulative average grade of "C" in all previous college work. Required in the second semester of the junior year or in the first semester of the senior year. An average rating of "C" is necessary to complete this course satisfactorily. Thirty (30) hours of teaching and conferences each week. Each semester. Credit: fifteen semester hours.

Ed. 402. Seminar in Elementary School Teaching. An attempt is made to guide the student to integrate and to extend the experiences of the education sequence and focus these experiences on the professional character of teaching. Major problems to be considered are: (1) the place of science and philosophy in elementary school teaching, and (2) special problems of the classroom teacher in the State of New York. The central aim is to develop ability and willingness to use appropriate study habits and scientific methods of research in solving educational problems in a democratic society. Required of all General Elementary seniors. Prerequisites: Ed. 101-102, 201-202, 301-302. Each semester. Credit: three semester hours.

485. Reading Clinic. Clinical diagnosis of acute reading problems by use of telebinocular, ophthalmograph, Durell Reading Analysis, and Gates diagnostic procedure. Remedial measures and materials as determined by the conditions revealed by the diagnosis. Elective for those who have an average of B or better in Practice Teaching. Each semester. Credit: two or three semester hours.

PRACTICE TEACHING FACILITIES

Opportunities for practice teaching are afforded by the following types of schools:

1. The School of Practice, the campus school, which includes the grades from the kindergarten through the eighth. The instruction given by the staff is supplemented by that given by college specialists in the fields of art, music, physical educa-

tion, home economics, and industrial arts, mathematics, and history. The school has a reputation for modern educational policies and procedures and for excellent care of its pupils. As a result, the school has a waiting list of applicants for admission.

2. Public School No. 52, a large elementary school on Bird Avenue with a cosmopolitan group of children and a staff of teachers selected for the work of developing student teachers in understanding of children and education procedures.

3. A large number of individual rooms in cities and villages whose teachers are unusually competent and willing to direct student teachers.

4. Rural Schools, both one or two room, and central schools whose teachers are likewise fitted by ability and temperament to direct student teachers.

COURSES IN PRINCIPALSHIP

440. Elementary School Principalship A. Organizing the School and the Curriculum. Planning the curriculum and general organization; organizing the use of all school facilities and services; classification and promotion. Course A may precede or follow course B. Elective for General Elementary juniors and seniors. First semester. Credit: three semester hours.

441. Elementary School Principal B. Operation of the Elementary School. Problems in School Board relations; school finance; equipment and supplies; records; pupil adjustments; community relations. Elective for General Elementary juniors and seniors. Second semester. Credit: three semester hours.

442. Supervision of the Elementary School A. Leadership of Teachers. Administrative and supervisory relations; procedures in classroom supervision; problems in the improvement of teaching and learning. Course A may precede or follow course B. Elective for General Elementary juniors and seniors. First semester. Credit: three semester hours.

443. Supervision of the Elementary School B. Evaluation of the Elementary School. Evaluating the effectiveness of the school plant and organization; measuring pupil progress; age-grade status; acceleration and retardation. Field activities. Elective for General Elementary juniors and seniors. Four to five hours per week. Second semester. Credit: two semester hours.

KINDERGARTEN EDUCATION

All students, upon graduation, will be eligible to teach in all grades of the elementary school. Those who wish to specialize in work with young children will be required, in addition to Ed. 301 and 302, to take a seminar in Kindergarten Education. Further requirements for this specialization include Children's Literature and one elective course in creative arts or science. The description of the seminar follows:

Seminar in Kindergarten Education. PART I. The place of the kindergarten as an integral part of elementary education will be considered. The seminar will provide for discussion and evaluation of special organization, materials, techniques, procedures and equipment that are significant in the growth and progress of four to six year old children. The child-parent-community relationships for this age level is given attention. Prerequisite to practice teaching. Parallels Ed. 301-302. Special effort is made to have one assignment of participation held in a kindergarten situation. Each semester. Two hours per week. Credit: two semester hours.

PART II. Considers the major problems growing out of practice teaching experiences. Parallels student teaching. One assignment is in a kindergarten situation, during which time the group meets two hours per week. Each semester.

Eng. 210. Children's Literature. Consult section on English.

GRADUATE COURSES

Ed. 500. Workshop in Elementary Education. Participants in the Workshop are encouraged to work on individual problems which have been encountered in actual practice. Through individual counselling and small interest groups an attempt is made to guide each student in his efforts to solve his problem. The Workshop is further characterized by a general seminar, and wide use is made of the demonstration school. The Workshop is required of all students registered for the degree of Master of Education. The enrollment is limited. Credit: Six semester hours.

Ed. 501 Seminar in Elementary Education. An attempt is made to guide the graduate student to increase his abilities and to extend his willingness to use scientific educational research in solving problems in elementary education. Problems which will be considered are: (1) the nature of scientific educational research and (2) special problems selected by individual students from the area of elementary education. Required of students registered for the degree of Master of Education. Eight class hours per week. Credit: Three semester hours.

Ed. 502. Supervision of the Elementary School.—Instructional Leadership of Teachers. The objective of this course is to comprehend the work of the principal as a professional leader of teachers. Leadership of teachers; building an educational philosophy for the school; the principal in relation to other administrative and supervisory officers; classroom visitation and the analysis of teaching and learning; the nature of learning; supervisory conferences, teachers' meetings, curriculum building, demonstration teaching, directed observations, the use of specialists, instruments for the improvement of teaching and learning, programs of testing and evaluation in terms of school Objectives. Open to principals, supervisors, experienced teachers, and to others especially qualified. Those who have passed Ed. 442 may not register for this course. Three hours per week. Credit: Three semester hours.

Ed. 503. Elementary School Principalship A.—Organizing the School and the Curriculum. The general objective of this course is to see how the principal functions as he builds the organization framework through which the planned curriculum is realized. Problems in planning a curriculum for all aspects of child life throughout the whole elementary school experience; studying the community; current plans for organizing the whole school and its resources, such

as the halls, the library, the auditorium, the gymnasium, the cafeteria, the playground, extra curricular programs, etc.; assignment of teachers and pupils; systems and policies of classification and promotion; problems in scheduling and office organization. This course may either precede or follow the Elementary School Principalship B. Open to principals, supervisors, experienced teachers, and others especially qualified. Those who have passed Ed. 440 may not register for this course. Three hours per week. Credit: Three semester hours.

Ed. 504. Elementary School Principalship B.—Operation of the Elementary School. The objective of this course is to develop an understanding of, and the way of meetings, the day-to-day problems of the school as its curriculum operates. The principal as the executive of the School Board and Superintendent; State aid and school budgeting; equipping the school plant; obtaining and using supplies and texts; movement of the children; policies and programs in using the school facilities; special services for special needs; resolving pupil maladjustment; making and using records; measuring the amount of overageness, normal-ageness, and under-ageness; acceleration and retardation; evaluating the effectiveness of the school organization; school building standards; community leadership. This course may either precede or follow Elementary School Principalship A. Open to supervisors, principals, experienced teachers, and others especially qualified. Those who have passed Ed. 441 may not register for this class. Three hours per week. Credit: Three semester hours.

Ed. 505. Evaluation Techniques in the Elementary School. Points of view and changing concepts concerning the meaning of evaluation in the elementary school; the development of a philosophy of guiding principles in the appropriate use of instruments for evaluating the educational growth of pupils and in studying educational problems; the construction of valid and reliable, informal objective and essay type tests and how to use them properly as instructional aids; the organization of an adequate program of evaluation in terms of instructional objectives; the selection, administration and scoring of appropriate measuring instruments for evaluating and diagnosing the mental abilities, educational achievements and personality characteristics of pupils; the use of appropriate, simpler statistical concepts and methods in handling and interpreting data; the organization of remedial programs based on the results of evaluation; the evaluation of teachers. Elective. Credit: three semester hours.

EDUCATION OF HANDICAPPED CHILDREN

Professor Fouracre; assistant professor Reid.

Ed. H. 201. Orientation in the Education of Exceptional Children. A general survey of the characteristics of atypical children; their incidence; their mental, social and vocational adjustment. The principles of educating the blind, the cardiopathic, the deaf, the hard of hearing, the lowered vitality, the mentally retarded, the orthopedically handicapped, the partially-sighted, the reading defective, the speech defective and the socially maladjusted. This course is required of those students desiring certification in special education. It may be taken as an elective to apply toward fulfillment of the General Elementary Curriculum. Offered both semesters. Three hours a week. Credit: Three semester hours.

Ed. H. 202. **Psychology of Mentally Subnormal Children.** Nature and causes of subnormality; types and possibilities of development, observation and clinical study. Required of student majoring in education of mentally retarded and orthopedically handicapped children. Second semester. Three times a week. Credit: Three semester hours.

Ed. H. 204. **Science of Speech and Hearing.** The study of the anatomy and physiology of the ear and the organs of speech beginning with the embryological development. Principles of physics involved in the production and reception of spoken language. Required of students majoring in education of hard of hearing and speech correction. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 301. **Survey of Eye Conditions.** Consideration and attention given to ocular problems, including the anatomy, physiology and hygiene of the eye, together with a study of common eye diseases and refractive errors.* Offered first semester. Two hours a week. Credit: One semester hour.

Ed. H. 302. **Survey of Eye Conditions.** Continuation of Sp. Ed. 301. Offered Second Semester. Two hours a week. Credit: Two semester hours.

Ed. H. 303. **Practical Arts for the Handicapped.** Study and participation in arts and crafts activities, home economics, and industrial arts that can be carried on with handicapped children in the special class room. Required of students majoring in education of mentally retarded and partially-sighted children. Offered first semester. Four hours per week. Credit: Three semester hours.

Ed. H. 305. **Introduction to Phonetics.** Basic course dealing with the production and representation of English (American) speech sounds. The study of common deviations in children's speech. Required by students enrolled in speech correction. Offered first semester. Three times per week. Credit: Three semester hours.

Ed. H. 307. **Speech Pathology.** Physiological and psychological aspects of organic and functional speech problems, observations and treatment of minor speech disorders. Required of students majoring in speech correction and education of hard of hearing children. Offered first semester. Three times a week. Credit: Three semester hours.

Ed. H. 308. **Speech Correction and Clinic.** Clinical diagnosis and treatment of more severe speech defects. Required of students enrolled in speech correction. Prerequisite Sp. Ed. 307. Offered second semester. Six times a week. Credit: Three semester hours.

Ed. H. 310. **Mental and Educational Measurement.** Study of construction, use and interpretation of mental and educational achievement tests. Required of students majoring in education of mentally retarded and orthopedically handicapped children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 311. **Lip Reading.** The technique of teaching children to read the lips of others. A requirement for student of education of hard of hearing. Offered first semester. Twice a week. Credit: Two semester hours.

* To be taken by students majoring in education of partially sighted.

Ed. H. 322. **Methods of Teaching Mentally Retarded Children.** Underlying principles of organizing a school program for mentally retarded children. Means of selecting and evaluating suitable group and individual activities. Required of students majoring in education of mentally retarded children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 324. **Methods of Teaching Hard of Hearing Children.** Underlying principles of organizing a school program for hard of hearing children. Means of selecting and evaluating suitable group and individual activities for the teaching of basic school subjects. Required of students majoring in the education of hard of hearing children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 328. **Methods of Teaching Orthopedically Handicapped Children.** Underlying principles of organizing a school program for orthopedically crippled children. Means of selecting and evaluating suitable group and individual activities for the teaching of basic school subjects. Required of students majoring in the education of orthopedically handicapped children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 330. **Methods of Teaching Partially-sighted Children.** Underlying principles of organizing a school program for partially-sighted children. Adaptation of program, choice and use of sight-saving materials. Required of students majoring in education of partially-sighted children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. 401. **General Elementary Practicum in Teaching.** Teaching under supervision and conferences on teaching problems.* First half of the first semester of the senior year. All day, first four days of the week. Individual conference on fifth day. Credit: Eight semester hours.

Ed. H. 401. **Practicum in Teaching Mentally Retarded Children.** Same as Education 401 except teaching is done in a special class. Second half of the first semester of the senior year. All day, first four days of the week. Individual conferences on fifth day. Credit: Seven semester hours.

Ed. H. 402. **Seminar—Education of Mentally Retarded Children.** Summarization of teaching experiences in the special class. Further investigation into the problems of education of mentally retarded. Review of research. Required of students majoring in education of mentally retarded children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 403. **Practicum in Education of Hard of Hearing Children.** Same as Education 401 except that teaching is done in a special class having hard of hearing children. Second-half of the first semester of the senior year. All day, first four days of the week. Individual conferences held on the fifth day. Credit: seven semester hours.

Ed. H. 404. **Seminar in Education of Hard of Hearing Children.** Summarization of teaching experiences in the special class. Further investigation into the problems of education of hard of hearing children. Review of research in the field. Required of students majoring in education of hard of hearing

* Required of all students enrolled in Department of Education for Handicapped Children.

children. Offered second semester. Three times a week. Credit: Three semester hours.

Ed. H. 405. **Practicum in Speech Correction.** Same as Education 401 except that student is assigned to a public school speech correctionist and works under supervision of that teacher. Second-half of the first semester of the senior year. All day first four days of the week. Individual conferences on the fifth day. Credit: Seven semester hours.

Ed. H. 406. **Seminar in Speech Correction.** Summarization of teaching experiences in public school work. Further clinical experience and investigation of research in the field. Offered second semester. Three times per week. Credit: Three semester hours.

Ed. H. 407. **Practicum in Education of Orthopedically Handicapped Children.** Same as Education 401 except that practicum is in special class of orthopedically crippled children. Offered second-half of the first semester of the senior year. All day first four days of the week. Individual conferences on the fifth day. Credit: Seven semester hours.

Ed. H. 408. **Seminar in Education of Orthopedically Handicapped Children.** Summarization of teaching experiences in the special class. Further investigation into the problem of teaching crippled children. Review of research in the field. Offered second semester. Three hours a week. Credit: Three semester hours.

Ed. H. 409. **Practicum in Education of Partially-sighted Children.** Same as Education 401 except that practicum in teaching is done in a special class for low-visioned children. Offered second-half of the first semester of the senior year. All day, first four days of the week. Individual conferences on the fifth day. Credit: Seven semester hours.

Ed. H. 410. **Seminar in Education of Partially-Sighted Children.** Summarization of teaching experiences in the special class. Further investigation into the problems and materials for sight conservation. Review of current research. Offered second semester. Three hours a week. Credit: Three semester hours.

Ed. H. 422. **Audiometry.** The study and measurement of hearing through learning to operate an audiometer. The technique of reading an audiogram. Offered second semester. Two hours a week. Credit: Two semester hours.

ENGLISH

Professors Thurber, Bradford; Assistant Professors Mrs. Bradford, Goossen Grabau, Holman; Mr. Drew, Mrs. Ganey, Miss Gallagher.

101. **Written Composition.** A thorough training in the fundamentals of language and usage as a preparation for efficiency in logical thinking and writing. Attempts to develop intelligent criticism and literary effectiveness. Study of examples; weekly themes; preparation of term paper. Required of all freshmen. Each semester. Credit: three semester hours.

102. **Fundamentals of Speech.** Study of voice, diction and general principles of reading and speaking. Student participation in simple speaking situations. Voice recordings at beginning and end of term. Required of all freshmen. Each semester. Credit: three semester hours.

201. **Advanced Composition.** Additional study of language usage and further practice in writing to develop critical thinking and literary effectiveness. Required of all sophomores. Each semester. Credit: three semester hours.

202. **Public Speaking.** Study and application of the working principles and methods of public speaking. Both content and delivery considered. Psychology of audience-speaker relationship prescribed. Required of all Home Economics and Industrial Arts sophomores. Each semester. Credit: Three semester hours.

203. **Modern Drama.** A study of the chief modern dramatists of Continental Europe, England and America from Ibsen to the present time. Three hours each week. Credit: Three semester hours.

204. **English Literature.** A study of the prose and poetry of the significant English writers from the beginnings through the Victorian period. Required of General Elementary sophomores; Home Economics and Industrial Arts juniors. Each semester. Credit: three semester hours.

205-206. **Survey of Literature.** A two-semester survey of the classical, romantic and realistic currents in the literature of the western world. Readings include American and English poetry and prose, and translations from the Greek, Latin, French, German and Russian. Required of all Art Education sophomores. Credit: six semester hours.

210. **Children's Literature.** Study of the types of Children's Literature, Reading and discussion of folk lore, modern informative material, fiction, biography and poetry. Attention to principles of book selection, illustrations, format of books, reading interests of children, story telling, and preparation of bibliography. Elective for sophomores, juniors and seniors. Each semester. Credit: three semester hours.

301. **Play Production.** Elements of production, play analysis, character interpretation, preparation of the director's book, casting, rehearsals; student direction or participation in performances; dramatization of children's literature. Elective for juniors and seniors. Credit: three semester hours.

304. **American Literature.** The major writers of our country from colonial to recent days—Edwards, Franklin, Emerson, Thoreau, Hawthorne, Poe, Whitman, Mark Twain, to Emily Dickinson. Required of General Elementary juniors. Each semester. Credit: three semester hours.

305. **Late Nineteenth Century Literature.** British, French, and American transitional literature of the late nineteenth century, with special attention to the reaction against Victorianism in England, the Aesthetic Movement, Impressionism and Symbolism, the Realists, and the Irish Literary Renaissance. Elective. Credit: three semester hours.

306. **Advanced Speech.** A course related to speech activities in the practice teaching situation. Units of work covering a study of articulatory problems, the presentation of informative talks, poetry, reading, story-telling, Required of all General Elementary Juniors. Each semester. Credit: three semester hours.

307. **The Literature of the Bible.** Selected writings of the Old and New Testaments studied as literature. Rhetorical and poetic aspects of Biblical poetry and prose. Influence of Biblical translations on the English language. Elective. Credit: three semester hours.

401. **The Drama.** A survey of the drama from Aeschylus to Goethe. Readings include early English, Elizabethan and Restoration comedies and tragedies; translations of Greek, Roman, French and German plays. Elective for juniors and seniors. Credit: three semester hours.

402. **Contemporary Literature.** British and American literature of the twentieth century, with emphasis upon poetry, the novel, and the drama. Required of General Elementary seniors. Each semester. Credit: three semester hours.

405. **The Essay.** Historical background of the essay; development of types and their influence on public opinion. Major essayists from 16th century through the Victorian period—Montaigne, Bacon, Swift, Addison, Steele, Johnson, Goldsmith, Lamb, Carlyle, Ruskin, Arnold, and Stevenson. Elective for juniors and seniors. Credit: three semester hours.

406. **The Novel.** An examination of the great English novels of the nineteenth century both as words of art and as reflection of the social interests of the time. Elective for juniors and seniors. Credit: three semester hours.

407. **Romantic Movement in English Literature.** A study of romantic poetry and prose from their beginnings in the late eighteenth century down to 1832. Particular attention is given to Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, the critics of the period, and the development of the magazines. Elective for sophomores. Credit: three semester hours.

408. **Short Stories.** Selections from Poe, Kipling, Bert Harte, O. Henry, Thomas Hardy, Samuel Butler and other significant writers. Elective for juniors or seniors. Credit: three semester hours.

415. **Shakespeare I.** Intensive study of representative plays including King Lear, Othello, A Winter's Tale, Twelfth Night, together with outside reading from the histories and comedies. Elective for juniors or seniors. First semester. Credit: three semester hours.

416. **Shakespeare II.** A similar handling of another group of plays, including Hamlet, The Tempest, Anthony and Cleopatra, Romeo and Juliet, together with outside reading of histories and comedies. Elective for juniors or seniors. Second semester. Credit: three semester hours.

418. **Choral Speaking.** Presentation and adaptation of suitable material for the speech choir; study of the various types of choric arrangements; the part voice and diction play in the choir; opportunity for experience in directing; possibilities offered in choric drama. Elective for juniors and seniors. Credit: two semester hours.

422. **Victorian Literature.** A study of the prose and poetry of the Victorian Period with special attention to the relationship of the literature to the social, political and scientific developments of the age. Elective for sophomores, juniors and seniors. Credit: three semester hours.

431. **Milton.** Readings in the prose and poetry of John Milton with principal stress on Paradise Lost. Elective for juniors and seniors. Credit: three semester hours.

432. **Criticism.** Principal critical theories from Aristotle and Plato to the present. Elective for juniors and seniors. Credit: three semester hours.

440. **Greek Literature in English Translation.** Reading in English translation selections from Greek epic, lyric, history, drama, philosophy, satire, oratory, pastoral, biography. To acquaint students with the Greek background of modern literature constant reference is made to the influence of Greek literature upon the later literature of Europe and England. Elective for juniors and seniors. No prerequisite. Credit: three semester hours.

441. **Latin Literature in English Translation.** Reading in English translation selections from Latin epic, lyric, history, drama, philosophy, satire, oratory, letters, fiction, pastoral, biography. To acquaint students with the Latin background of modern literature constant reference is made to the influence of Latin literature on the later literature of Europe and England. Elective for juniors and seniors. No prerequisite. Credit: three semester hours.

442. **Masterpieces of the Middle Ages.** Reading in English translation selected masterpieces of the mediaeval period such as mediaeval epic, mediaeval romance, mediaeval prose tale and novel, saints' lives and legends, mediaeval drama, mediaeval lyric poetry and allegory, culminating with Dante's Divine Comedy. Elective for juniors and seniors. No prerequisite. Credit: three semester hours.

443. **Masterpieces of the Renaissance.** Reading in English translation selected masterpieces of the Renaissance such as Brandt's Ship of Fools, Erasmus' Praise of Folly, More's Utopia, Rabelais, Montaigne, Cellini, Machiavelli's Prince, Ariosto, Camoens, Cervantes, Molière, Corneille, Racine, Calderón, Lope de Vega. Elective for juniors and seniors. No prerequisite. Credit: three semester hours.

444. **Masterpieces of the Nineteenth Century.** Reading in English translation selected masterpieces of nineteenth century European literature. Rousseau and his disciples. Romantic poetry, fiction and drama. Realism, Naturalism and Symbolism in the various literary types. Among the authors included are Rousseau, Chateaubriand, Lessing, Goethe, Schiller, Heine, Manzoni, Hugo, Dumas, Hebbel, Balzac, Zola, Brieux, Ibsen, Tolstoi, Anatole France, Rostand, Maeterlinck. Elective for juniors and seniors. No prerequisite. Credit: three semester hours.

GRADUATE COURSES

Eng. 500. **Studies in the Structure and Function of Language.** Fundamental principles basic to all languages. Among the topics included will be theories of the origin of language, the nature and psychology of language, phonetics and phonetic change, alphabets and systems of writing, language types and families, the Indo-European family and its branches, the history of the English language, word origins and changes in meaning, speech standards.

In addition to the study of a basic text and standard reference works on language, each student will engage in an independent study requiring direct use of language material within the scope of his linguistic equipment. Prerequisite:

completion of the required courses in English in the general elementary curriculum. While a knowledge of foreign languages is not essential, it would be helpful. Credit: Three semester hours.

502. Studies in American Literature. Aspects of literary culture in America from the Colonial Period to the present. Religious and political influences upon early writings; the Romantic Movement and Transcendentalism; the development of realism and regional literature. Credit: Three semester hours.

503. American Regional Literature. An investigation of the literature of certain geographic and cultural areas of the United States—New England and Eastern, Southern and Western. Folkways in American letters, local color and exploitation of regional materials, especially in fiction. Credit: three semester hours.

FOREIGN LANGUAGE

Professor Messner, Mrs. Messner

In accordance with a ruling of the Board of Regents and the State Education Department, students of the general elementary department who do not present credit for two years of a foreign language for admission must complete one year, six semester hours, of a foreign language before graduation.

For all other students the courses in foreign language are elective. Students interested in foreign language study are advised to elect Latin, French or Spanish in their freshman year.

LATIN

201, 202. Latin Prose and Poetry. Reading from such prose writers as Aulus Gellius, Nepos, Sallust or Livy and such poets as Virgil, Catullus, Ovid and Martial. Grammar review and vocabulary study. Principles of Latin meter. Prerequisite: at least two years of high school Latin. First and second semesters, each year. Credit: six semester hours.

301. Silver Age Prose. Reading of selections from representative authors of the post-Augustan period, such as Pliny, Tacitus, Seneca, Petronius, and Suetonius. Prerequisite: Latin 201 and 202. First semester, 1947. Credit: three semester hours.

302. Horace. Reading of selections from the odes, epodes, satires and epistles. Study of Horace in relation to his age. Prerequisite: Latin 201 and 202. First semester, 1948. Credit: three semester hours.

303. Latin Drama. Reading of representative comedies of Plautus and Terence. Studies in the technique of the Roman theater. Prerequisite: Latin 301 or 302. Second semester, 1948. Credit: three semester hours.

304. Roman Life. Major aspects of the private and public life of the Romans. Open without Latin prerequisite to students of the social studies. Credit: three semester hours.

401. Mediaeval Latin. Reading of selections from all types of Latin literature of the Middle Ages. Study of its relation to literature in the modern vernaculars. Prerequisite: Latin 301 or 302. Credit: three semester hours.

402. Latin Prose Composition. Basic principles of the Latin language with copious writing of Latin. Prerequisite: Latin 301 or 302. Second semester, 1947. Credit: three semester hours.

404. Readings from Roman Philosophy. Selected portions of Cicero's *De Officiis*, Lucretius' *De Rerum Natura* and Seneca's *Essays*. Prerequisite: Latin 301 or 302. Credit: three semester hours.

FRENCH

101, 102. Beginning French. Fundamentals of the French language. Pronunciation, principles of grammar, easy reading. Increased emphasis during the second semester on speaking and reading French. For students with no previous knowledge of French. First and second semesters each year. Credit: six semester hours.

201, 202. Intermediate French. Reading of short stories, longer prose narrative, plays and selected poems. Grammar review and composition conducted on the laboratory or workshop basis. Prerequisite: at least two years of high school French or completion of French 101, 102. First and second semesters, each year. Credit: six semester hours.

301. Masterpieces of French Literature. Reading of selected masterpieces from all periods of French literature. Prerequisite: French 201 and 202. Second semester, each year. Credit: three semester hours.

302. French Civilization. Contributions of France to present-day civilization. Chief aspects of contemporary French life. Prerequisite: French 201 and 202. First semester, 1946. Credit: three semester hours.

303. Classical French Drama. Reading of the best plays of Corneille, Molière and Racine. Prerequisite: French 301. Credit: three semester hours.

304. Modern French Drama. Reading of plays which illustrate Romanticism, Realism and Symbolism in 19th century French drama. Prerequisite: French 301. First semester, 1947. Credit: three semester hours.

401. Contemporary French Literature. Chief literary trends and major authors of the last half-century. Prerequisite: French 301. Credit: three semester hours.

402. French Composition and Conversation. Daily practice in writing and speaking French. Class conducted entirely in French. Prerequisite: French 301. Credit: three semester hours.

404. French Novel. Reading of representative French novels from the 17th through the 19th century. Prerequisite: French 301. Credit: three semester hours.

SPANISH

101, 102. Elementary Spanish. Grammar, composition, and conversation. Reading of elementary texts. For students with no previous knowledge of Spanish. First and second semesters each year. Credit: six semester hours.

201, 202. Intermediate Spanish. Reading of modern Spanish authors in the fields of the novel and the drama. Intensive vocabulary study. Prerequisite: completion of Spanish 101, 102 or at least two years of high school Spanish. First and second semester, each year. Credit: six semester hours.

GEOGRAPHY

Assistant Professor Whittemore; Miss Svec.

Students who wish to elect a sequence in geography may begin such a sequence in their second year. The courses are recommended as follows:

- 301. General Geography I.
- 302. Geography of North America.
- 402. General Geography II.
- 403. Geography of Europe.

or any other third or fourth year elective.

REQUIRED

301. General Geography I. A study of the relationships between the physical environment and man and his activities, with emphasis on the factors of relief, climate, soils, water resources. Exercises give experience with various types of maps and other tools of geographic study. Required of General Elementary juniors. Each semester. Credit: three semester hours.

402. General Geography II. A continuation of Geography 301 with emphasis on the agricultural, industrial, and commercial aspects of geography. Topics are related to current affairs. Required of General Elementary seniors. Each semester. Prerequisite: Geog. 301. Credit: three semester hours.

ELECTIVE

The following elective courses are not offered each year but are arranged so that each is usually given within a cycle of two years.

302. Geography of North America. A description of the physical environment of each region followed by discussion of the changing adjustments that man has made to this environment and the present pattern of human occupancy. Elective for sophomores. Prerequisite: Geog. 301. Credit: three semester hours.

Meteorology. See Science 420.

303. Climatology. The controls that determine the character of the world's climates. The climatic types and their distribution over the world, their characteristics, and their relation to plant and animal life, to physiographic processes, and to man and his activities. The interpretation and the graphic representation of climatic data. Elective for juniors and seniors. Prerequisite: Geog. 301. Credit: three semester hours.

401. Geography of South America. A regional study with the emphasis upon the adjustments of the people to the physical background of each region. International trade relations and their backgrounds of natural resources and economic development. Elective for juniors and seniors. Prerequisite: Geog. 301. Credit: three semester hours.

403. Geography of Europe. A study of the physiographic regions and related human use regions; of the conflict between these and man-made political divisions as part of the geographic background of current events. Elective for juniors and seniors. Prerequisite: Geog. 301. Credit: three semester hours.

404. Physiography. (Physical Geology I) A study of the evolution of the physical features of the earth's surface and the forces that have produced them. Illustrations from the local area introduced through lectures and field trips. Laboratory work in the interpretation of the physical landscape through contour maps. Elective for juniors and seniors. No prerequisite. Credit: three semester hours.

405. Geography of Asia. A general survey of the continent followed by detailed treatment of the areas of greatest importance. The physical background of each region is studied in its relation to past and present economic developments

and to the current political situation. Elective for juniors and seniors. Prerequisite: Geog. 301. Credit: three semester hours.

406. Geography of New York State. A study of the relation of physical factors to the location and character of colonial settlement, the spread of population over the state, the development of transportation and industry, and the growth of cities. Experience in research and field work. Elective for juniors and seniors. Prerequisite: Geog. 301. Credit: three semester hours.

407. Conservation of Natural Resources. A survey of the extent, distribution, and condition of the major natural resources of the United States and the aims and accomplishments of the conservation movement. Elective for juniors and seniors. Prerequisite: Geog. 301. Credit: three semester hours.

SUMMER SESSION COURSES

Courses offered in summer sessions are selected from those listed above as well as from the additional courses listed below.

408. Geography of Latin America. (Students may not receive credit in both Geog. 401 and Geog. 408)

409. Geography of the Far East. (Students may not receive credit in both Geog. 405 and Geog. 409)

410. The Colonial Possessions of the United States.

GRADUATE COURSE

Geo. 500. Geography of Eastern Asia. A regional study of the eastern part of the continent including China, Japan, the East Indies, the Indo-China Peninsula and eastern U.S.S.R. A survey of the physical background of each region is followed by a study of the past and present economic adjustments of the people to the environment. Experience in the graphic presentation and interpretation of statistical data. Credit: three semester hours.

HEALTH AND PHYSICAL EDUCATION

Professor Houston; Miss Roach, Miss Frech, Mrs. Jordan, Miss Barber, Mr. Coyer.

201-202. Health Education. Functional hygiene to assist the student in maintaining good health. Required of General Elementary and Art Education sophomores. One hour per week. Both semesters. Credit: two semester hours.

301-302. Physical Education. Principles of physical education; subject matter and skills basic to activities required in the elementary school program of physical education. Required of General Elementary juniors. Prerequisite: Health Education 201-202. Two hours per week. Both semesters. Credit: two semester hours.

402. Health Protection. School and community health problems; school health service; communicable disease control; water supply and sewage disposal; food sanitation; safety education. Required of General Elementary seniors. Prerequisites: Health Education 201-202; Physical Education 301-302. Two hours per week. Each semester. Credit: two semester hours.

Recreational Activities. Students are registered in class groups for a wide range of indoor and outdoor activities, such as: archery, badminton, basketball, deck tennis, folk dancing, quoits, rhythms, soccer, shuffle board, swimming, table tennis, tennis, volley ball, winter sports; in addition, boxing, wrestling and track for the men. Required of first, second, third and fourth year General Elementary students; of first and second year Home Economic students; of first year Art Education students. Two hours per week. In meeting the first and second years of this requirement, the student registers for one hour of swimming per week.

HOME ECONOMICS

Professors Sipp, Ingersoll; Assistant Professors Pratt, Roudebush; Miss Keever, Miss Palmer, Miss Grant, Miss Johnson, Miss Buddenhagen, Miss Adams.

H. E. 90. Clothing. Selecting and constructing a simple garment involving fundamental construction processes and use of sewing machine. Required of all Home Economics freshmen who are deficient in elementary clothing skills as indicated by tests. Two hours Saturday morning. First semester. No credit. Fee \$7.50. (Extension Dept.)

H. E. 91. Foods and Nutrition. Practice with various foods, basic ingredients and procedures; product standards; food buying; menu planning; table service; and efficient management of time and equipment. Required of all Home Economics sophomores in the lower range of a written and practical test in foods. Prerequisite: Home Economics 101-102. Two hours Saturday morning. First semester. No credit. Registration fee \$7.50. Laboratory fee required. (Extension Dept.)

H. E. 101-102. Personal Living Problems. Designed to meet the needs of freshmen students in their Home Economics studies and in their personal and family adjustments. First semester units fall within these areas: orientation in Home Economics, vocations in Home Economics, personal money management, personal appearance and grooming, selection, care and repair of clothing, personal nutrition and health, selection of food and practice in food preparation, and personal adjustment to friends and family. Each student selects from the above list, the units that fit her needs. Second semester—units in clothing, foods, and family living. Required of Home Economics freshmen. Prerequisite for 102: Home Economics 90 or exemption from it. Six hours per week. Both semesters. Credit: eight semester hours.

H. E. 203. The Child in the Family. Correlation of the study of child development with practice in the management and care of pre-school children in public and private nursery schools. Emphasis on gaining insight into relationship problems between child and his family through the use of story and case study materials. Required of Home Economics sophomores. Prerequisite Ed. 101-102. Six hours per week. Each semester. Credit: four semester hours.

H. E. 204. Clothing and Costume Design. A study of textiles with emphasis upon consumption. Making garments involving fundamental principles of construction, fitting and costume design. Required of Home Economics sophomores. Prerequisite: Home Economics 102. Six hours per week. Each semester. Credit: four semester hours.

H. E. 205. Foods and Nutrition. Experience in food preservation; in planning, purchasing, preparing and serving food for individual and family needs

both economic and nutritional; in solving current food problems. Supplements the prerequisite food and nutrition courses with added emphasis upon food principles, technique and management. Some experience in hospitality. Required of Home Economics sophomores. Prerequisites: Home Economic 102, Science 123-124, Home Economics 91 or exemption from it. Five hours per week. Each semester. Credit: three semester hours.

H. E. 303. Economics of the Household. A study of the management of personal and family finance. Present day problems of consumers. Evaluation of aids for consumers. Required of Home Economics juniors. Prerequisite: S. S. 222. Five hours per week. Each semester. Credit: four semester hours.

H. E. 305. Clothing and Costume Design. Problems selected involving application of principles of costume design and advanced construction techniques. Required of Home Economics juniors. Prerequisite: Home Economics 204 and completion of satisfactory experience in clothing. Three hours per week. Each semester. Credit: two semester hours.

H. E. 306. Foods and Nutrition. Added experience in food preservation. School lunch management, preparation and service with emphasis upon nutritional and educational problems; management, preparation and service for large groups; demonstration; added experience in hospitality. Required of Home Economics juniors. Prerequisites: Home Economics 205, Science 225, 226. Five hours per week. Each semester. Credit: three semester hours.

H. E. Ed. 323. Home Economics Methods and Materials. Aims to assist prospective teacher in: developing a realistic philosophy of education; understanding problems of school administration and curriculum in both general and home economics education; knowing and having some ability to apply principles of learning and teaching; developing some techniques in selecting, organizing and using instructional materials; developing a philosophy of evaluation and some ability in obtaining and interpreting data through the use of appropriate techniques. Includes observation and participation. Required of Home Economics juniors. Prerequisites: Education 101-102, Home Economics 101-102, 203, 204, 205. Eight hours per week. Each semester. Credit: six semester hours.

H. E. 401. Home Management. A concentrated study of home living and home management problems for five weeks; practical study of time, energy, and money utilization; experience in group social and recreational life; association with community organizations promoting the welfare of satisfying home life. Efforts will be made to provide supplementary experiences for needs of individual students. Students defray own expenses. Prerequisites: Home Economics 203, 303. Five class hours per week. Each semester. Credit: four semester hours.

H. E. 403. Family Relationships. Study of the social and psychological factors that affect the character of family life; consideration of the influence the emotional maturity, the heredity, the preconceived roles, the personality and the background factors have on the adjustment of the marriage partners; and some attention to the teaching of family relationships at the secondary level. An individual project which entails either community participation or original investigation is required. Required of Home Economics seniors. Three hours per week. Each semester. Credit: three semester hours.

H. E. 405. Household Physics and Equipment. Nature of heat, its use and application; electricity, its production, distribution and use; mechanics of liquids and solids; mechanics of simple machines. These form a basis for study of under-

lying principles used in the selection, operation, care and arrangement of household equipment with emphasis on those utilitarian aspects which promote economy, efficiency and comfortable living in the home. Required of Home Economics seniors. Four hours per week. Each semester. Credit: three semester hours.

H. E. 407. Housing and Home Planning. Relation of housing to family and community welfare; standards of family housing; costs of housing in urban and rural areas; selection, construction and furnishing of houses for family and personal needs. Required of Home Economics seniors. Prerequisites: Art. 322, Home Economics 303. Four hours per week. Each semester. Credit: three semester hours.

H. E. 410. Clothing. Problems of individual interest in textiles, clothing selection, buying, care, repair, restyling and construction. Elective for students not majoring in Home Economics. Four hours per week. Either semester. Credit: three semester hours.

H. E. 411. Food and Nutrition. Selection and preparation of well balanced meals for school children, cooperative living units, and family groups at varied levels of income. Laboratory work to give an understanding of basic food procedures, standards of products, serving of food. Elective for students not majoring in Home Economics. Four hours per week. Either semester. Credit: three semester hours.

H. E. 412. Family Relationships. Discussion of the psychological problems of marriage and family life in the world today, and the teaching of family relationships in secondary schools. Observation of parent study groups, staff meetings of guidance clinics and community organizations dealing with family problems. Elective for seniors not majoring in Home Economics. Two hours per week. Each semester. Credit: two semester hours.

H. E. Ed. 421. Teaching Practicum. Provides opportunity to study the New York State programs for education in homemaking and its adaptations to varying situations through actual teaching experience in two types of schools. Student shares with usual non-instructional as well as instructional responsibilities; group conference of all students scheduled regularly at college. Schools used for teaching located outside Buffalo. Residence in at least one community for period of teaching required. Students defray own travel and residence expenses. Grade of "C" in course required for certification in New York State. Required of Home Economics seniors. Prerequisites: Education 101-102, Home Economics 101-102, 203, 303, 305, 306, Education 323, grade of "C" in Education 323. "C" average in all college work. Fifteen hours per week for ten weeks. Each semester. Credit: nine semester hours.

General Courses—required and elective

For description of these courses refer to the courses as listed in the respective departments.

INDUSTRIAL ARTS

Professor Perkins; Assistant Professors Quackenbush, Grabau, Neuhardt, Weber; Mr. Brossman (on leave), Mr. Morrice, Mr. Fontana, Mr. Callan, Mr. Wiegand, Mr. Mandel, Mr. Steffen, Mr. Harlan, Mr. Strong, Mr. Waagen, Mr. Finsterbach.

101. Electric Shop. A study of electrical principles and their application in generation, measurements, testing power, communication, transmission, transformation, and wave propagation and reception. Construction of projects for use in teaching and for demonstration. Basic course for all Industrial Arts freshmen or sophomores. Fifteen hours per week. Credit: five semester hours.

102. Wood Shop. A study of various types of woodworking; use of hand tools in building simple projects in benchwork, carpentry, cabinet work, boat and airplane construction. Development of the work takes up difficult processes in wood turning, millworking, and finishing. Shop equipment, maintenance, and shop management are stressed. Basic course for all Industrial Arts Freshmen or sophomores. Fifteen hours per week. Credit: five semester hours.

103-104. Mechanical Drawing. A basic course in mechanical drawing and blueprint reading; the care and use of instruments, lettering, geometric construction, weight and meaning of lines, freehand sketching, working drawings, cabinet projections; a complete working knowledge of drafting conventions and technic. Required of all Industrial Arts freshmen. Four hours per week. First and second semesters. Credit: three semester hours each semester.

201. Transportation Shop. Study of transportation as a factor in our economic structure; examination of facilities, agencies, and methods; comparison of sources of power; laboratory practice in automobile operation and maintenance; theory and practice of aeronautics; construction and operation of model airplanes, gliders, and aeronautic equipment. Basic course for all Industrial Arts freshmen or sophomores. Fifteen hours per week. Credit: five semester hours.

202. General Metal Shop. Practice in the fundamentals of pattern making, molding, die casting, machine tool work, brazing, soldering, forging, heat treatment, sheet and art metal work. Related lessons covering the sources and characteristics of metals, alloys, strength of metals, melting points and metal finishing. Basic course for all Industrial Arts freshmen or sophomores. Fifteen hours per week. Credit: five semester hours.

203-204. Mechanical Drawing. The language of structural design. Blueprint reading, instrumental drawing, lettering, geometric constructions, working drawings, orthographic, isometric and cabinet projection. Required of all Art Education sophomores. Four hours per week. Each semester. Credit: two semester hours.

211. Principles and Practice of Industrial Arts I. A general course to aid students to see the field of industrial arts in its entirety. Factors considered are the philosophy, aims, objectives, organization and administration of industrial arts, types of schools, kinds of shops, teachers, teaching situations, and students. Required of Industrial Arts sophomores. Two hours per week. Credit: two semester hours.

301. Graphic Arts Shop. The fundamentals of composition, imposition, presswork (including color work), bindery, paper estimating and cutting. Special emphasis on spelling, punctuation, capitalization, and division of words. Special lectures on typesetting machines, printing plates, paper making, engraving, lithography, rotogravure. Basic course for all Industrial Arts juniors. Seven and one-half hours per week. Credit: two and one-half semester hours.

302. General Shop. A course in comprehensive general shop work embracing various shop activities brought together in a single room. Students give

actual demonstrations and discuss the supervising, planning and presentation of such demonstrations. Discussion of teaching aids, record charts and methods of caring for the details of general shop activity. Major divisions cover wood-working, metal working, electricity, printing, textiles and ceramics. Basic course for all Industrial Arts juniors. Fifteen hours per week. Credit: five semester hours.

303. Elementary Industrial Arts. A study of Industrial Arts with relation to the place it has in the elementary grades. The course gives experience in the fields of woodworking, leather, plastics, metal, electricity, textiles, ceramics, and printing. Tool processes, safety, tool sharpening, procuring materials and their proper storage, opportunities for original creative work, and the organization of an Industrial Arts section in the grade school classroom are other basic goals around which the course is built. Basic course for all General Elementary juniors. Four hours per week. Credit: three semester hours.

311. Principles and Practice of Industrial Arts II. A study of principles, methods, and motivation of teaching and instruction. It deals with techniques, instructional materials, projects, lesson plans, tests, and special methods of teaching. It will also consider library and planning centers, museums, exhibits, charts, records, and shop and personnel management from the point of view of efficient industrial arts teaching. Required of Industrial Arts juniors. Two hours per week. Credit: two semester hours.

312. Principles and Practice of Industrial Arts III. Continuation of Industrial Arts 311. Consideration of industrial arts courses and sequences; development of courses of study; investigation of physical equipment and supplies; attention to hand and machine tool equipment, supplies and storage; personnel organization. Completion of special units of instruction. Required of all Industrial Arts juniors. Two hours per week. Credit: two semester hours.

401. Sheet Metal Shop. (Elective). The development of sheet metal, pattern drafting, and practical designing for art work in light gauge metals. Manipulation of hand tools. Use and care of metal working machinery; theory pertaining to metal forming and assembly of metals. Junior or senior elective. Seven and one-half, or fifteen hours per week. Credit: two and one-half, or five semester hours depending on time taken.

402. Advanced Graphic Arts Shop. (Elective). This course includes advanced activities in letter press printing and its allies. It covers four-color make-up and printing, composition of two and three color jobs, gold leaf stamping, block printing, block cutting, bookbinding, embossing, marbling, rubber stamp making, and silk screen jobs. Actual practice is given in school newspaper make-up and printing. Junior or senior elective. Seven and one-half, or fifteen hours per week. Credit: two and one-half, or five semester hours depending on time taken.

403. Advanced Wood Shop. (Elective). The study of general production practices together with information and skills in all forms of wood processes. Emphasis will be given to advanced cabinet making, carpentry, pattern making; to aviation in the study of plywoods, special cements and construction processes as applied to airplanes and gliders; also to the study of maintenance and repair of woodworking machinery. Junior or senior elective. Seven and one-half, or fifteen hours per week. Credit: two and one-half, or five semester hours depending on time taken.

404. Advanced Electric Shop. (Elective). Emphasis will be placed upon the theory, construction and operation of electronics as applied to communication and industrial machine control. Opportunity will be afforded students to study the theory, operation, and the construction of models of aeronautical instruments. Junior or senior elective. Seven and one-half, or fifteen hours per week. Credit: two and one-half, or five semester hours depending on time taken.

405. Advanced Machine Shop. (Elective). Emphasis is placed upon tool making, heat treating, and acetylene welding. Some of the new experiences gained are the operation of the universal grinder, surface grinder, helical milling, gear cutting, internal threading and boring, and angular cuts on a shaper. All experiences gained are directly applicable to a student contemplating entering any of the war industries involving metal work. The work is of special significance to any student planning to teach metal work in special centers for war training purposes. Junior or senior elective. Seven and one-half, or fifteen hours per week. Credit: two and one-half, or five semester hours depending on time taken.

406. Ceramics and Textiles Shop. Study of the materials, products and processes of the ceramic industry with practice in clay preparation, slip casting, mould making, modeling, slab and coil building, tile making, throwing and turning on the potter's wheel, firing, glazing and decorating. The textile course is a study of the operations and processes in the textile industry which covers the use of synthetic yarns, mineral yarns, vegetable and animal yarns, the dyeing processes, pattern weaving, plain weaving, and the construction of textile projects patterned through a study of design that can be used in the Industrial Arts shop. For Industrial Arts juniors and seniors. Fifteen hours per week. Credit: five semester hours.

411. Practice Teaching and Conference. A combined course of practice and conference on teacher problems. Actual practice in teaching Industrial Arts with special assignments of the specific technics and methods involved in the preparation and organization of subject matter and projects used for Industrial Arts. A treatment of shop management, pupil records, materials and costs, and examinations. Required of all Industrial Arts seniors. Thirty hours per week. First or second semester. Credit: fifteen semester hours.

MATHEMATICS

Professor Ebert; Assistant Professor Johnson; Mr. Eberman.

101. General Mathematics. Development and classification of numbers, formulas, equations, graphs, functions, the way of geometry, finance and investment, mathematics as a useful growing science. Required of General Elementary freshmen. Each semester. Credit: three semester hours.

102. General Mathematics. Review of pre-college mathematics, exponents and radicals, formulas and equations, graphs, measurement of areas and volumes, frequent application to problems. Required of Industrial Arts freshmen. First semester. Credit: three semester hours.

201. College Algebra. Functionality, variation, progressions, complex numbers, mathematical induction, theory of equations, logarithms, permutations,

combinations, probability, annuities, partial fractions, determinants, infinite series. Sophomore elective. Each semester. Credit: three semester hours.

104. Applied Mathematics. Problems for the technical work of the Industrial Arts Department and also from the field of engineering. Types and sources of error. Reliability of data, possible and desirable accuracy, approximations. Required of Industrial Arts freshmen. Second semester. Credit: three semester hours.

202. Plane Trigonometry. Functions of acute angles, solution of right triangles, application of logarithms, functions of any angles, oblique triangles, identities, graphs of the functions, inverse functions, trigonometric equations, DeMoivre's Theorem, miscellaneous problems. Elective for sophomores. Each semester. Credit: three semester hours.

301. Plane Analytics. Algebraic geometry of the straight line, the circle, parabola, ellipse, hyperbola, general equation of the second degree, translation and rotation of axes, general loci, rectangular and polar coordinates. Elective for juniors and seniors. Prerequisites: College Algebra and Plane Trigonometry. First semester. Credit: three semester hours.

402. History of Mathematics. General chronological study of the development of elementary mathematics, national achievements, achievements of ages or periods, biographies, modern critiques. Elective for seniors. Prerequisites: College Algebra, Plane Trigonometry and Plane Analytics. Credit: three semester hours.

403. Differential Calculus. Variables, functions, limits, the derivative and its meanings, differentiation of algebraic and transcendental functions, maxima and minima, successive differentiation, differentials, partial derivatives, applications and problems. Elective for seniors. Prerequisites: College Algebra, Plane Trigonometry, and Plane Analytics. Credit: three semester hours.

404. Integral Calculus. Integrations, rules for integrating standard elementary forms, constant of integration, the definite integral, integration as a process of summation, substitutions and devices for formal integration, multiple integrals, applications and problems. Elective for seniors. Prerequisites: College Algebra, Plane Trigonometry, Plane Analytics, and Differential Calculus. Credit: three semester hours.

MUSIC

Professor Boyd; Miss McMahon, Mr. Coghill.

101-102. Essentials of Music. A general course to develop sensitivity to music. Basic study of the vital elements of music—rhythmic, melodic, and harmonic—through sight-singing, ear-training, writing and playing. Required of General Elementary freshmen. Three hours per week. Both semesters. Credit: four semester hours.

201. Music in Civilization. An investigation of music in general culture. Musical growth in relation to the changing civilization. Aims to increase the student's appreciation of music. Elective for sophomores, juniors and seniors. First semester. Credit: three semester hours.

202. Music Literature. A study of standard musical literature. Current musical events. Required listening to radio or local concerts. Elective for

sophomores. Open to advanced credit students who need credit for Music appreciation. Second semester. Credit: three semester hours.

303. Voice Culture and Repertory. Vocalises, repertoire and program making. A study of diction, breath control, tone coloring and other voice problems recognized. Elective for sophomores, juniors and seniors. Each semester. Credit: three semester hours.

305. Music for Children. A course designed to meet the needs of the classroom teacher in the use of music with emphasis on Nursery, Kindergarten and Primary levels—Songs, Rhythmic activity, the child voice, listening, creative music and instruments, the piano, games and dances, recordings, films, books. Elective for sophomores, juniors and seniors. Three hours a week including one additional when observing. Credit: three semester hours.

404. The Art of Enjoying Music. An inquiry into the field of music with specific application to the advanced aesthetics of music. Elective for sophomores, juniors and seniors. Each semester. Credit: three semester hours.

Mus. 407. Contemporary Trends in Music. An overview of creative musical expression in the present day with emphasis on living composers. The effect of the recent World Wars on the composition of music and post war developments. "New Music"—Intellectual freedom and new idioms of expression—the flowering of American composition. Elective for sophomores, juniors and seniors. Prerequisite: Music 101-102 or equivalent. Credit: three semester hours.

ORIENTATION

Dean Reed

This non-credit course is required of all freshmen in the first semester. It includes discussion of social practices; educational and professional adjustments; college requirements in study and library skills; personal requisites in etiquette, correspondence and attire; group management in entertainments, business sessions or forum leadership; development of student opinion and participation in activities to promote social competence and personal influence.

SCIENCE

Professors Brown, Urban; Assistant Professors Fretz, Vail, Dupre; Miss Schrader, Mr. Sheel.

101. Physical Science. In surveying the field of the physical sciences (astronomy, geology, physics and chemistry) emphasis is placed upon such ideas as the size and organizations of our solar system and the starry heavens; the processes which have modified, and continue to modify the earth's surface, the ways in which man's control of energy and materials are basic to modern life. Required of all General Elementary freshmen. Four hours per week including laboratory. Each semester. Credit: three semester hours.

103-104. Art Ed. Biology. A survey of the science of life. Structure, function, classification, reproduction, heredity, and evolution are among the topics treated. Required of all Art Education freshmen. Three hours per week including laboratory. Both semesters. Credit: four semester hours.

123. Bacteriology. Study of morphology, distribution and relative importance of bacteria, yeasts and molds and their relations to the household. Required of all Home Economics freshmen. Four hours per week including laboratory. First semester. Credit: three semester hours.

124. Human Physiology and Hygiene. Study of anatomy and physiology of the human body as related to the practices of personal hygiene; study of health problems of the individual family and community. Required of all Home Economics freshmen. Prerequisite: Science 123. Four hours per week, including two-hour laboratory and field period. Second semester. Credit: three semester hours.

201-202. Biology. The facts, principles and theories of the science related to the structure, physiology and ecology of plants and animals. Lectures, laboratory and demonstrations. Required of all General Elementary sophomores. Four hours per week including laboratory. Both semesters. Credit: six semester hours.

203-204. Physics. General college physics covering the areas of mechanics, heat, sound, light, and electricity—materials of great importance in teaching science at the elementary and junior high school level. The fundamentals of the nature, behavior, and transformations of energy and the results of man's control of energy are stressed. Elective for sophomores, juniors, and seniors. Prerequisite: Science 101 or its equivalent. Four hours per week including laboratory. Both semesters. Credit: six semester hours.

205-206. Ind. Arts Physics. An elementary physics course covering the usual five areas of physics but with special content and illustrations related to the industrial arts field. Emphasis is placed upon methods of physical measurement and upon the testing of materials. Four hours per week including laboratory. Both semesters. Credit: six semester hours.

224. H. E. Physical Science. Survey course including the origin and structure of the solar system; important developments in past and present structure and physical history of the earth; matter and energy changes and man's increasing control of his environment. Required of all Home Economics sophomores. Four hours per week including laboratory. First semester. Credit: three semester hours.

225-226. Elements of Inorganic and Organic Chemistry. The basic principles of these two chemistry fields in relation to the field of Home Economics. Required of all Home Economics sophomores. Prerequisite: Science 123-124. Four hours per week including laboratory. Both semesters. Credit: six semester hours.

301-302. Ind. Arts Chemistry. A course to give the student an understanding of the chemical nature of the materials of industrial arts. Fundamentals are treated during the first semester. This is followed by application to the study of paint, paper, wood, plastics, soap, heat-treating, coloring and etching of metals, electroplating, and allied processes. Required of all Industrial Arts juniors. Four hours per week including laboratory. Both semesters. Credit: six semester hours.

303-304. Inorganic Chemistry. General college chemistry above the lower level of Physical Science. Lectures, demonstrations, individual laboratory work. Elective for General Elementary sophomores, juniors, and seniors. Prerequisite: Science 101 or its equivalent. Four hours per week including laboratory. Both semesters. Credit: six semester hours.

305. Zoology. Study of a series of animals to demonstrate the relationships that exist throughout animal life. Lectures, demonstrations, and laboratory make up the work of the course. Elective for those who have had prerequisite Science 201-202. Four hours per week, including laboratory. First semester. Credit: three semester hours.

306. Botany. Structure and physiology of plants applied to practical problems. Observations, experiments, and laboratory work center around control of plant life. Elective for students who have had Science 201-2 or its equivalent. Four hours per week including laboratory. Second semester. Credit: three semester hours.

307. Art Ed. Physical Science. In this cultural survey of the field of the physical sciences (astronomy, geology, physics, chemistry) applications are made to the field of art. Among these are the chemistry of art materials and the physics of light and color.

324. Chemistry Applied to Home Economics. Study of carbohydrates, lipids, proteins, minerals and vitamins in relation to food composition, cooking processes and metabolism and the chemistry of textiles—identification tests, dyes and finishes, bleaching, and detergents. Required of all Home Economics juniors. Prerequisites: Science 123-124 and Science 225-226. Four hours per week, including laboratory. Second semester. Credit: three semester hours.

401. Genetics. Principles of heredity. Lectures, readings and individual studies of specific plant, animal, and human traits. Elective for General Elementary juniors and seniors. Prerequisite: Science 201-202 or its equivalent. Each semester. Credit: three semester hours.

402. Geology. A chronological presentation of the results achieved by geologic processes during past ages including life and activity in the various eras. Local fossils, rock formations and geologic history studied in museum and on field trips. Metals, minerals and ores necessary for our war economy will be considered. Elective for General Elementary juniors and seniors. Prerequisite: Science 101 or its equivalent. Four hours per week including laboratory. Second semester. Credit: three semester hours.

409. History of Science. Concise historical account of the origins of science, its development, and its achievements; extensive samplings from the great contributors to science; their lives and discoveries, furnishing a broad, cultural background, and appreciation of science rather than a detailed knowledge of scientific facts. Elective for General Elementary juniors and seniors. Two hours per week. First semester. Credit: two semester hours.

410. Aviation Science. A study of the scientific principles underlying the flight of an airplane. Basic concepts of physical and biological science related to flying are developed from demonstration, experiment and observation. The course is designed to provide the basis for the understanding of current and future developments of aviation. Elective for juniors and seniors. Four hours per week, including laboratory. Either semester. Credit: three semester hours.

411. Meteorology. A study of the atmosphere, the methods of observing and recording weather elements, the explanation of weather changes, the interpretation of the weather map, and the basic principles of forecasting. The relation of weather to man and his activities is considered. Features which apply to aviation will be given special emphasis. Elective for juniors and seniors. Three hours per week. First semester. Credit: three semester hours.

415. Descriptive Astronomy. An introductory course giving a logical development and a description of the astronomical units, groups, instruments, procedures, and methods which are essential to a cultural presentation and understanding of this subject. The course will be accompanied by the use of many visual aids,

including motion pictures. Elective for juniors and seniors. Prerequisite: Science 101 or its equivalent. Each semester. Credit: three semester hours.

GRADUATE COURSE

Sci. 500. Science in the Elementary Curriculum. This course is designed to acquaint teachers of all elementary grades with the background, purposes and present scope of science in the elementary schools. A feature of the course will be a professionalized review of subject matter with demonstrations, experiments, motion pictures, as well as by extensive outside reading. Opportunity is given the class members to prepare experiments and demonstrations in laboratory periods and to present them before the class group. Ten class hours per week. Credit: Three semester hours.

SOCIAL STUDIES

Professors Peterson, Albright; Assistant Professors Mason, Rapp; Miss Dana, Miss Stockberger, Mrs. Roesser.

101-102. History of Civilization. A survey of man's constructive achievements to 1900; the church; feudal life; nationalism; imperialism; European problems of the nineteenth century. Required of General Elementary, Home Economics and Industrial Arts freshmen. Both semesters. Credit: six semester hours.

201-202. Contemporary Civilization. Survey of European history from 1870 to the present; governments of Europe; social, political and economic developments of the twentieth century. Required of General Elementary sophomores. Both semesters. Credit: six semester hours.

204. History of Civilization. A study of man's cultural achievements; the Renaissance; Reformation; imperialism and the progress of the twentieth century. Required of Art Education sophomores. Second semester. Credit: three semester hours.

205. Contemporary Civilization for Industrial Arts. A study of European civilization since 1914, causes of the First World War, the governments which resulted from the war, the contributing factors producing the Second World War and outlook for the future. Required of all Industrial Arts sophomores. Three hours per week. First or second semester. Credit: three semester hours.

222. Principles of Economics. Survey of basic principles; current problems and politics; consumer economics. Required of Home Economics sophomores. Each semester. Credit: three semester hours.

301-302. American Civilization and Government. A study of the establishment of the American republic; the functioning of its government; the triumph of Hamiltonianism; the development of a characteristic American culture. Required of General Elementary, Home Economics and Industrial Arts juniors. Both semesters. Credit: six semester hours.

304. American History to 1789. Conditions in Europe influencing the discovery and settlement of the New World; economic causes of the Revolution; establishment of the new government. Elective for juniors and seniors. Not offered in 1947-48. Credit: three semester hours.

312. History and Government of New York State. A social, economic, political and military history of the Empire State: the aboriginal background;

development of the colony; the establishment of the state; the rise of political parties; and the economic and social growth of the state to the present time. Elective for sophomores, juniors and seniors. First or second semester. Credit: three semester hours.

323. Principles of Sociology. Principles of Sociology followed by detailed study of rural, village and urban communities. Required of Home Economics juniors. Four hours per week. Each semester. Credit: three semester hours.

402. Sociology. The rise and development of culture; cultural change; social organization and social institutions. Required of General Elementary seniors and Art Education seniors. Each semester. Credit: three semester hours.

403. History of American Foreign Relations. A general survey of our foreign relations, beginning with independence and the alliance with France in 1778 and extending through recent affairs of the United States as a world power. Due attention is given to the principles of international law and the causes of World War II. Elective for juniors and seniors. First semester. Credit: three semester hours.

405. International Relations. The cultural origin of the Western States System, forms of its institutions, its dynamic forces and apparent prospects. Elective for General Elementary juniors and seniors. Not offered in 1947-48. Credit: three semester hours.

406. The French Revolution and Napoleon. The political, social, economic and intellectual fabric of the Old Regime; the Revolution; the dictatorship of Napoleon and its spread of the Revolutionary ideas throughout Europe; and the rise of modern nationalism. Elective for juniors and seniors. Not offered in 1947-48. Credit: three semester hours.

407. Germany Since 1871. The social, economic, and intellectual history of Germany; the diplomatic background of the First World War and its results; the Weimar Republic and the rise of Hitlerism. Elective for juniors and seniors. First semester. Credit: three semester hours.

408. Twentieth Century European Diplomacy. The causes of the first World War, the diplomacy of the war, a reexamination of the Paris Peace conference and treaties, the hegemony of France, the working out of the national policies inside the League of Nations, the causes of the second World War, and the bases of peace. Elective for juniors and seniors. Second semester. Credit: three semester hours.

409. European Economic History. A general survey of economic development from the later middle ages to the present; the transition from the rural and town economy to capitalism, the expansion of Europe, mercantilism, the rise of the present industrial and commercial systems, the effects of war upon economic and social life. The relation between economic organization and the European classes as well as the life of the common man are stressed. Emphasis is upon the period since the end of the eighteenth century. Elective for juniors and seniors. Not offered in 1947-48. Credit: three semester hours.

410. Modern Far Eastern History. A survey of the political, economic, social and intellectual history of the Far East in the nineteenth and twentieth centuries, with emphasis upon the interaction of the West upon the East and of the East upon the West to show how the Far Eastern problem led to the recent Pacific war. Elective for juniors and seniors. Not offered in 1947-48. Credit: three semester hours.

411. **History of Latin America.** European colonization, wars for independence and national development in Latin America. Special attention will be given to the diplomatic and economic relations with the United States and to the role of the Inter-American System in the United Nations. Elective for juniors and seniors. Second semester. Credit: three semester hours.

417. **Juvenile Delinquency.** A survey of modern social trends penetrating into the specialized fields of the family, the neighborhood and the community. Conditions in rural and urban United States during the 1920's, the depression '30's, and the wartime '40's will be studied as a basis for conclusions relating to the present post-war situations. Elective for juniors and seniors. First semester. Credit: three semester hours.

421. **Industrial History and Labor Problems.** A study of American industry from its English beginnings to the present. Influence of inventions, tariffs, trade barriers and cartels. Special attention to the growth and importance of organized labor. Required of all Industrial Arts seniors. First or second semester. Credit: three semester hours.

422. **History of Russia.** The dominant political, social and economic factors of Russian history are examined with the purpose of providing a background for a study of the Soviet regime. Theory and practice in Soviet politics, with their consequent changes in the life of the Russians of the tsarist days, Soviet foreign policy, and the history of her war effort are discussed in order to provide a better comprehension of the significance of Soviet Russia in the present world. The allocation of time is about half for the pre-Soviet period and half for the Soviet period. Elective for juniors and seniors. Not offered in 1947-48. Credit: three semester hours.

426. **Contemporary Economic Problems.** Review of basic economic problems; economic changes during war times; problems of reconversion and of the present peace time economy. Elective for sophomores, juniors and seniors. Second semester. Credit: three semester hours.

GRADUATE COURSES

SS. 500. **Studies in Twentieth Century American History.** Intensive analysis of selected aspects of American life since 1900, with emphasis on significant trends, policies, or ideas in the areas of politics, diplomacy, and national culture. Selection of topics for study is dictated by student needs and interests. Prerequisites: 18 hours in Social Studies, including six in American History and six in European History. Credit: three semester hours.

S.S. 501. **Studies in Twentieth Century European History.** Lectures, class discussions and student reports on one or two subjects each semester, such as modern political ideologies, problems of modern Germany, recent developments in Russia, or international relations. Prerequisites: 15 hours in Social Studies, including nine in European History. Credit: three semester hours.

S.S. 502. **The United States and Its Inter-American Relations.** A study of American policies toward the Latin American Republics and the Dominion of Canada, with emphasis on factors affecting the growth of hemisphere solidarity. Policies to be developed include: recognition; Monroe Doctrine; imperialism; Encouragement of peaceful settlement; cultural interchange; hemisphere security; promotion of regionalism. Prerequisites: 18 hours in Social Studies, including six in American History and six in European History. Credit: three semester hours.

ENROLLMENT BY CLASSES

September, 1946

FRESHMEN

Name	City, town	Name	City, town
Abate, Frank M.	Niagara Falls	Beyer, Dorothy R.	Buffalo
Adams, Alice J.	Scio	Bickel, Robert F.	Buffalo
Agnew, William C.	Buffalo	Bidell, Richard C.	Buffalo
Albano, Richard J.	Buffalo	Bieger, Marcella M.	Buffalo
Aldrich, Douglas W.	Elmira	Billick, Ruth F.	Buffalo
Alesse, Thomas J.	Buffalo	Bilotta, Frank J.	Olean
Aliotta, Carmela J.	Buffalo	Blais, Marion F.	Kenmore
Allden, June M.	Buffalo	Bluhm, Frederick L.	Sloan
Anderson, Carl L.	Jamestown	Boggs, Mary L.	Dallas, Texas
Anderson, Carol A.	Dansville	Boies, Marjorie J.	Holland
Annalett, Adolph R.	Dunkirk	Borgeson, John F.	Dunkirk
Apel, Harold A.	Orchard Park	Borron, Nancy	Kenmore
Aprile, Gloria M.	Buffalo	Bradford, Hilary P.	Buffalo
Armesto, M. Norita	Buffalo	Brancato, Roger L.	Buffalo
Armstrong, John P.	Lackawanna	Breck, Jean M.	Buffalo
Atwood, Jeanne P.	Randolph	Brecka, Marie R.	Johnstown
Ayrault, Loeta O.	Ripley	Bricka, Louise A.	Buffalo
Bacon, Robert J.	Tonawanda	Brinkel, Alice T.	Buffalo
Baer, John H.	Buffalo	Brogan, Robert E.	Buffalo
Bainbridge, Ernest G.	Tonawanda	Brown, Joseph E.	Belmont
Balduf, Betty E.	Darien	Browne, Janet E.	Buffalo
Banas, Dolores I.	Buffalo	Buccella, Mary C.	Buffalo
Banks, Donald A.	Buffalo	Bure, Patricia M.	Williamsville
Barker, Robert E.	Buffalo	Burkhardt, Carl A.	Buffalo
Barnes, Bonnie J.	Buffalo	Bury, Ellen C.	Buffalo
Barone, Annamarie C.	Buffalo	Buscani, Marguerite A.	Buffalo
Barrett, Edith M.	Hornell	Butzer, Loraine L.	Gowanda
Barrows, Marjorie C.	Buffalo	Buzy, Arthur	Woodlawn
Barry, John T.	Bedford Hills	Byam, Mary H.	Caledonia
Batterson, Frank M.	Buffalo	Cacia, Joseph W.	Dolgeville
Batty, Patricia J.	Gloversville	Caldwell, Viola E.	Wilson
Baum, Norma L.	Buffalo	Campanella, James T.	Buffalo
Beauter, Robert O.	Painted Post	Campbell, Sally A.	Kenmore
Becht, Joseph A.	Buffalo	Campicre, Thomas J.	Buffalo
Beck, Donna E.	Buffalo	Canavan, Patricia M.	Buffalo
Beckerman, Getelle	Buffalo	Cannon, Anne B.	Buffalo
Beckman, Leland L.	Fredonia	Cappellino, Jane M.	Rochester
Beerse, Evelyn L.	Seneca Falls	Carey, Geraldine M.	Williamsville
Benenati, Carl G.	Dunkirk	Carlson, Ardis V.	Buffalo
Berger, Jack W.	Boston	Carnevale, Daniel J.	Buffalo
Bernreuther, Glenn W.	Olean	Carrigan, Esther M.	Wilson

Name	City, town
Castle, Joan W.	Lockport
Catchpole, Janet T.	Painted Post
Cavanaugh, William E.	Lackawanna
Caward, Martha E.	Bennettsburg
Cechini, Mary	Buffalo
Celano, Prudence A.	Buffalo
Cerato, Mary J.	Kenmore
Chalmers, Patricia L.	Buffalo
Chamberlain, Carol J.	Eggertsville
Chambers, Georgia L.	Kenmore
Cheek, Helen L.	Buffalo
Chermaz, Kasper L.	Buffalo
Chinelly, Joseph A.	East Rochester
Chismore, Fern J.	Ilion
Ciancio, Anthony J.	Jamestown
Ciminesi, Charles S.	Buffalo
Clark, Frederick R.	Buffalo
Cleary, Jeanne M.	Buffalo
Cole, Sarah M.	Baldwinsville
Collins, Elizabeth F.	Buffalo
Colt, James P.	Olean
Conner, Mary L.	Buffalo
Cooke, Joseph E.	Williamsville
Cooper, Kermit M.	North Tonawanda
Copley, Angela A.	Buffalo
Covert, Gene M.	East Randolph
Cramer, Eustace E.	Morrisville
Cronin, Mary E.	Buffalo
Cross, Blanche C.	Franklinville
Cunning, James F.	Buffalo
Czwijdak, Eugene A.	Buffalo
Danna, Joseph P.	Buffalo
Davis, Warren G.	Niagara Falls
Dayer, Donald H.	Buffalo
Dean, Dolores C.	Andover
Dean, Shirley R.	Buffalo
DeLorenzo, Horatio	Dolgeville
deLorraine, Ruth E.	Painted Post
Denis, Irene	Buffalo
Deren, Joseph W.	Buffalo
Diedrich, Mildred J.	Tonawanda
Distler, Jack W.	Buffalo
Dixon, James G.	Buffalo
Dolan, Catherine E.	Buffalo
Dolph, Robert W.	Kenmore
Domino, Joan C.	Rome
Dougherty, Bernice M.	Buffalo
Draper, Harriet L.	Buffalo
Duecker, Gertrude E.	Buffalo

Name	City, town
Duffy, Francis P.	Geneva
Duquette, Mary E.	Ogdensburg
Elliott, Celeste	Buffalo
Emmanuele, Grace M.	Cheektowaga
Enser, Ann Marie E.	Buffalo
Ericson, Lenore E.	Williamsville
Evenden, Mary Jane	Buffalo
Farber, Beverly S.	Poughkeepsie
Farley, Thomas C.	Kenmore
Farrell, Patricia A.	Buffalo
Fathey, Marguerite C.	East Aurora
Fazekas, Edward	Buffalo
Fenwick, Walter C.	Kenmore
Fila, Victor C.	Williamsville
Fillier, Marjorie R.	Rochester
Finkelstein, Jean	Buffalo
Fischer, Beatrice	Schenectady
Flanagan, John N.	Saugerties
Fleury, Marilou	Buffalo
Foos, John J.	Rochester
Franczyk, Roman A.	Buffalo
Frank, Elsie F.	West Valley
Frank, Robert R.	Buffalo
Frawley, Doris M.	Buffalo
Freitag, Alfred C.	Buffalo
Friedman, Mamie	Buffalo
Frier, Donald F.	Hamburg
Fritz, Shirley A.	Buffalo
Fritzinger, Robert W.	Buffalo
Gallagher, Mary F.	Buffalo
Gant, Raymond	Buffalo
Gardner, Alton G.	North Tonawanda
Gardner, James H.	Buffalo
Geisler, Elnor J.	Buffalo
Gerbracht, Robert W.	Buffalo
Gerth, Robert A.	Lynbrook
Giambrone, Marie	Buffalo
Giardina, Helen E.	Rochester
Gillette, Laurel G.	Hulberton
Giovannone, Rosalie	Canajoharie
Glass, Ruth E.	Buffalo
Goddard, Patricia K.	Hamburg
Goldhawk, Margaret M.	Williamsville
Goldsmith, Dolores F.	Williamsville
Gorman, Jacquelin R.	Buffalo
Grader, Jack F.	Buffalo
Granville, Mary Ann	Buffalo
Greatwood, Gloria J.	Olean

Name	City, town
Green, Burt E.	Buffalo
Green, Gordon R.	Jamestown
Greenspan, Morris	Buffalo
Gregoire, Jerome C.	Buffalo
Greiner, Donald J.	Buffalo
Grieser, Robert A.	Buffalo
Griffin, Francis E.	Buffalo
Grinsbe, Florence P.	North Tonawanda
Grinter, Marilyn R.	Scotia
Gustafson, James R.	Jamestown
Guthrie, Winifred G.	Kenmore
Hadsall, James G.	Depew
Hageman, Clarence G.	Buffalo
Hale, Jean E.	Buffalo
Hamilton, Kenneth N.	Buffalo
Hammond, Charles R.	Kenmore
Harrigan, Robert J.	Buffalo
Harrison, William T.	Snyder
Hartman, Dorothy J.	Mt. Morris
Hasselbeck, Marjorie E.	Snyder
Hassler, Joseph H.	Buffalo
Havens, Virginia Lee	Kenmore
Hayes, Marilyn E.	Buffalo
Hitchcock, William E.	Tonawanda
Hixson, Marilyn L.	Shortsville
Hochuli, Edward S.	Richmond Hill
Hoffmann, Gerald J.	Buffalo
Holmberg, Sydney J.	Kenmore
Horey, Eileen A.	Buffalo
Horn, Ruth Ann	Buffalo
Horne, Linda M.	Buffalo
Horne, Wilma H.	Buffalo
Horstmann, Suzanne E.	Sherburne
Horton, Alice R.	Snyder
Horton, Marilyn	Hamburg
Hubbard, Leon W.	Buffalo
Hughes, Joan E.	Buffalo
Hutter, Henry L.	Valley Stream
Ippolito, Charles	Buffalo
Irwin, Genevieve A.	Buffalo
Iwinski, Henry J.	Buffalo
Jackson, Geraldine V.	Buffalo
Jarrett, Mildred J.	Buffalo
Jeffers, Priscilla R.	Buffalo
Johnson, Ivo McGinity	Randolph
Johnson, Jean L.	Buffalo
Johnson, Marilyn M.	Niagara Falls
Jones, Jean E.	Mohawk

Name	City, town
Joyce, Eileen L.	Lackawanna
Joyce, Patricia	Andover
Kardoulis, Nellie	Buffalo
Karwaki, Thomas	Buffalo
Kass, Harriet	Buffalo
Kaufman, Beatrice	Buffalo
Kausch, Nancy J.	Rochester
Kay, Frederick M.	Buffalo
Keeley, Betty J.	Buffalo
Keleher, George C.	Tonawanda
Keller, Mary A.	Buffalo
Kelley, Francis H.	Rodman
Kenner, John G.	Buffalo
Kermode, June L.	Buffalo
Kerr, Barbara E.	Buffalo
Kessel, Catherine L.	Buffalo
Kirkland, Doris D.	Buffalo
Klumpp, Donald E.	Buffalo
Klute, Lloyd J.	Buffalo
Klym, Stephen	Buffalo
Kneis, Raymond A.	Kenmore
Koch, Gertrude E.	Cheektowaga
Kohl, Martha E.	Corfu
Kohler, Constance T.	Buffalo
Kolber, Florence H.	Buffalo
Korn, Charles E.	Rochester
Korus, Samuel	Buffalo
Kowalak, John W.	Buffalo
Kramer, Robert F.	Buffalo
Krawczyk, Reneta A.	Yorkville
Krol, Henry C.	Buffalo
Kron, Donna L.	Buffalo
Kupfer, Margaret H.	Pt. Pleasant
Kurgan, Eleanor J.	Westfield
Labuzzetta, Paula M.	North Collins
LaCorte, Cosimo F.	Buffalo
Laird, Frederick C.	Varysburg
Laird, Wesley L.	Varysburg
Lajewski, Chester F.	Dunkirk
LaMothe, Leonard J.	Malone
Lamp, Donald J.	Buffalo
Landgraf, Jean M.	Kenmore
LaPress, Versal S.	Buffalo
Larkin, Carol J.	Buffalo
Larson, Roy W.	Kenmore
Leas, James H.	Hamburg
Ledlie, Beverly A.	Rochester
Lewis, Anna Mac	Buffalo

Name	City, town
Lewis, Lucille C.	Buffalo
Limburg, Carol L.	Buffalo
Lindsay, Shirley A.	Buffalo
Lingl, Helen M.	Ebenezer
Liszewski, Matthew	Buffalo
L'Italien, Robert A.	Buffalo
Little, William T.	Buffalo
Loch, James T.	Buffalo
Lochte, Howard E.	Buffalo
Lomanto, Antoinette R.	North Collins
Lombardi, Emil A.	Brooklyn
Loos, Shirley E.	Buffalo
Lopez, Sara P.	Buffalo
Ludlow, Betty M.	Dunkirk
Ludwig, Barbara A.	Lakeview
Luppino, Ignatius	Buffalo
MacAllister, Beverly	Niagara Falls
McCabe, Frank P.	Buffalo
McCausland, Phyllis	Buffalo
McCormick, Maureen A.	Buffalo
McCullough, Earl S.	Buffalo
McGinnis, Jacqueline D.	Buffalo
McGrath, Joan M.	Buffalo
MacIntyre, Jayne L.	York
McLaughlin, Robert J.	Buffalo
McLean, Vincent C.	Buffalo
McManus, Arthur J.	Buffalo
McNeight, Jacque	Fredonia
McNulty, Betty	Java Center
MacPherson, Esther D.	Buffalo
MacQueen, Leon E.	Buffalo
Mabon, Harriet M.	Batavia
Mack, Eileen L.	Endicott
Malinowski, Alice C.	Buffalo
Manti, Mary J.	Lancaster
Marinelli, Joseph A.	East Rochester
Marinelli, Norma M.	Depew
Marion, Rudolph P.	Buffalo
Marks, Ann E.	Yorktown Heights
Marks, Joan E.	Buffalo
Marra, Rosemary	Olean
Martin, Ida M.	New Rochelle
Martin, Marian	Atlanta
Martin, Thomas J.	Buffalo
Martynowicz, Louis J.	Buffalo
Mason, Letitia M.	Buffalo
Materise, Maurice M.	Buffalo
Mathis, Eleanor M.	Buffalo
Maurer, Louis P., Jr.	Buffalo

Name	City, town
May, John E.	Kenmore
Mazzanti, George A.	Buffalo
Melka, Joseph A.	Buffalo
Mentesana, Mary M.	Rochester
Meredith, Jean M.	Buffalo
Messing, Richard B.	Buffalo
Metke, Carol E.	Buffalo
Meyer, Howard J.	Lockport
Miecznikowski, Charles H.	Lancaster
Miller, Beverly J.	Buffalo
Miller, Carol A.	Buffalo
Miller, Grace A.	Locust Valley
Miller, Jean E.	Hamburg
Miller, Wesley S.	Buffalo
Milner, Arthur J.	Olean
Miskho, Mary R.	North Tonawanda
Mittlefehldt, Jean K.	Elba
Moran, Kenneth A.	Buffalo
Morgan, Edith J.	Freedom
Mracna, John P.	Buffalo
Mudra, John	Buffalo
Mulholland, Harold W.	Buffalo
Mullenhoff, Margaret I.	Gardenville
Mullin, Rose V.	Cuba
Murphy, Donald J.	Buffalo
Murphy, Joan M.	Buffalo
Murray, Nan K.	Buffalo
Musella, Vincent H.	Gloversville
Mytnik, Mildren M.	Buffalo
Nachbar, Audrey L.	Williamsville
Nagel, Christian E.	Buffalo
Nagel, Margaret R.	Ebenezer
Naraghton, Mary A.	Buffalo
Neubauer, Harold J.	Buffalo
Neuthardt, Pauline M.	Buffalo
Newton, Yasabel E.	Hamburg
Nickerson, Carol F.	Mayville
Nicoloff, Virginia N.	Orchard Park
Nigro, Margaret L.	Buffalo
Nola, Rosario S.	Buffalo
Notto, Joseph F.	Buffalo
O'Brian, Eleanor M.	Buffalo
O'Connor, Elizabeth A.	Buffalo
Olin, Geraldine	Buffalo
O'Neil, John D.	Buffalo
O'Neill, Frances M.	Buffalo
Orzechowski, Irene G.	Lackawanna
Osterman, Clayton S.	Buffalo

Name	City, town
O'Sullivan, John M.	Buffalo
Quimette, Mary E.	Morris
Overs, Kenneth D.	Buffalo
Page, Kathryn J.	Buffalo
Patterson, Janice M.	Hamburg
Patterson, Joan M.	Buffalo
Pearson, Lee	Buffalo
Peckham, Norma J.	Holland
Persch, Edward F., Jr.	Buffalo
Petrino, Marguerite G.	Buffalo
Petschke, Jeanette F.	Buffalo
Phillips, Lavern C.	Chautauqua
Pierce, Jeanne R.	Orchard Park
Pileri, Joseph C.	Buffalo
Pileri, Leonora J.	Buffalo
Pipalski, Helen V.	North Tonawanda
Pitillo, Josephine	Lackawanna
Podolin, Ruth L.	Buffalo
Powers, Irene E.	Norwich
Pritchard, Dona M.	Concord
Ptaszkiewicz, Francis X.	Buffalo
Pyrak, Anthony C.	Buffalo
Raffauf, Phyllis M.	Buffalo
Ramunno, Jesse E.	Buffalo
Randall, Paul J.	Springville
Rausch, Erna M.	Buffalo
Raymond, Marilyn J.	Medina
Reese, Jane H.	West Seneca
Reichel, Peggyann	Buffalo
Reichert, Edward J.	Buffalo
Reiller, Harold A.	Buffalo
Reinhardt, Frederick F.	Chaffee
Rentsch, George J.	Buffalo
Richards, Shirley M.	Silver Springs
Richardson, Ray R.	Buffalo
Riebennacht, Joan E.	Constableville
Riga, Victoria E.	Buffalo
Ritter, Howard W.	Rochester
Rochelle, William C.	Rochester
Roden, Albert E., Jr.	North Tonawanda
Roeder, Walter H.	Buffalo
Rolletta, Margaret A.	Rome
Romaniuk, Leo F.	Springville
Rosinski, Theodore J.	Buffalo
Roth, Nancy E.	Orchard Park
Roy, Salome J.	Buffalo
Rub, Joan E.	Kenmore
Ruddy, Joseph C.	Buffalo

Name	City, town
Runyan, Duane H.	Tonawanda
Ryan, Bernadine J.	Buffalo
Sacco, Elvira L.	North Tonawanda
St John, Anne W.	Eggertsville
Sandel, Dorothy J.	Manhasset
Sander, Joseph H.	Buffalo
Sangmaster, Dolores B.	East Greenbush
Scaglione, Lawrence M.	Buffalo
Schaefer, Robert J.	Buffalo
Schichtel, Lawrence P.	Hamburg
Schillroth, Mary M.	Buffalo
Schlageter, Robert J.	Buffalo
Schlehr, Mary L.	Buffalo
Schlehr, Phyllis A.	Buffalo
Schmidle, Mildred L.	Buffalo
Schmidt, Helen C.	Niagara Falls
Schmidt, William H.	Buffalo
Schmit, Mary J.	Buffalo
Schmitt, Howard C.	Buffalo
Schoelles, Adele E.	Kenmore
Schultz, Eugene F.	Buffalo
Schutz, Marion E.	Williamsville
Schwartz, Melvin	Brooklyn
Sciumeca, Joseph W.	Buffalo
Sczudlo, Benjamin F.	Olean
Seifert, Shirley M.	Brockport
Seiffert, Thomas E.	Baldwin
Semanchuk, Roman E.	Medina
Sems, Charles A.	Buffalo
Seymour, Mary T.	Ebenezer
Shaffer, Vincent T.	Niagara Falls
Shalloe, John J.	Buffalo
Shannon, Jean E.	Buffalo
Shaw, Joan E.	Malone
Shephard, Harold T.	Buffalo
Sherlock, Kathleen H.	Niagara Falls
Shults, Janet M.	Eggertsville
Shupe, Jessie M.	Snyder
Sikora, Leonard S.	Buffalo
Silvaroli, Rosemarie A.	Buffalo
Simon, Jane	Buffalo
Simon, Marcella M.	Buffalo
Slayko, Agnes A.	Glenfield
Slobbe, Beverly S.	Rochester
Smith, Charles H.	Sayville
Smith, Jean A.	Buffalo
Smith, Lois J.	Niagara Falls
Smith, Sylvia M.	Java Village
Smout, Ethan P.	Gowanda

Name	City, town
Soffussen, Lillian	Buffalo
Solat, Richard R.	Buffalo
Sonik, Beatrice A.	Woodlawn
Spaulding, Mary McVay	Buffalo
Spina, John A.	Dunkirk
Sprague, Clifford H.	Walton
Sprague, Esther A.	East Aurora
Stark, George K.	Yonkers
Starkey, Joseph P.	Buffalo
Steadman, Diane E.	Ithaca
Steel, Joanne M.	Buffalo
Stellrecht, Earl R.	Kenmore
Stenhouse, Edward J.	Buffalo
Stiefler, Pearl M.	Blasdell
Stock, Pauline J.	Fulton
Strickland, James R.	Kenmore
Stripp, Jean A.	Buffalo
Sullivan, Joseph M.	Buffalo
Supple, Florence J.	Kenmore
Surra, John W., Jr.	Buffalo
Swain, Donald A.	Kenmore
Szoeke, Thomas H.	Merrick
Thomann, Carol F.	Kenmore
Thustachowski, Julia L.	Johnstown
Tobin, Mildred O.	Buffalo
Tomczyk, Walter M.	Buffalo
Tona, Carmen J.	Buffalo
Trinkwald, Vincent J.	Sayville
Troidl, Arleen R.	Buffalo
Truncer, Lois S.	Buffalo
Turner, Bessie P.	Buffalo
VanCamp, Norma L.	Hamburg
Vanderbles, H. Fayette	Buffalo
Van Horn, Hazel M.	Buffalo
Van Loan, Virginia L.	Buffalo
Vannucchi, Joseph F., Jr.	Utica

SOPHOMORE

Name	City, town
Adams, Dorothy L.	Gorham
Allan, John W.	Buffalo
Altamura, Frank P.	Buffalo
Anderson, Althea E.	Jamestown
Anderson, Julia M.	Buffalo
Angelo, Mary	Lockport
Anguish, Patricia H.	Buffalo
Armstrong, Mariola	Caledonia
Austin, Betty J.	Buffalo

Name	City, town
Van Son, Ruth M.	Attica
Vogt, Elmer W.	Tonawanda
Wagner, Howard J.	North Evans
Wagner, Suzanne M.	Niagara Falls
Wagner, William J.	Buffalo
Walter, Kenneth G.	Elma
Wark, Robert, Jr.	Buffalo
Wasko, Alice A.	Westchester
Waters, Joseph D.	Rochester
Weatherall, David S.	Buffalo
Webster, Everett H.	Cassadaga
Wernejowski, Helen	Buffalo
Wescott, Clair Milton, Jr.	Hornell
West, Richard V.	Buffalo
Whaley, Rose M.	Buffalo
White, Malcolm W.	Ithaca
Wick, Mary C.	Lockport
Wilczak, Joseph M.	Buffalo
Wild, John F.	Kenmore
Williams, Albert J.	Buffalo
Williams, James L.	Buffalo
Williams, Joan J.	Lackawanna
Williams, Ramona J.	Phoenix
Williams, Rhea J.	Buffalo
Wills, June H.	Ransomville
Wilson, Robert J.	Canandaigua
Wittmann, Helen M.	Orchard Park
Woods, Eleanor M.	Phoenix
Wozniak, Joseph F.	Buffalo
Wyatt, George E.	Buffalo
Wyroba, Francis	Lancaster
Yarbrough, Laura M.	Newark
Zamrok, Leo L.	Buffalo
Zegel, Harold L.	West Sayville
Zeh, Norma E.	Buffalo
Zwick, Leonard G.	Buffalo

Name	City, town
Bennett, Bonnie J.	Hornell
Benson, Martha M.	Lackawanna
Beyer, Betty	Buffalo
Bingham, Patricia J.	Buffalo
Bischoff, Barbara J.	Utica
Black, John J.	Lackawanna
Bogan, Antoinette	Lackawanna
Bolz, Maxine C.	Buffalo
Bonsteel, Mary E.	Niagara Falls
Bowman, Betty J.	Corfu
Bowman, Hazel F.	Corfu
Bradford, Samuel A.	Buffalo
Brenzel, Felicia M.	Buffalo
Britt, Alberta L.	Collins
Brogan, Catherine M.	Niagara Falls
Brown, Anna I.	Astoria
Brown, Betty J.	Amsterdam
Bueche, Pearl M.	Buffalo
Burdick, Valarie	Friendship
Burley, Clara M.	Salamanca
Burnap, Marion B.	Whitesboro
Burr, Charles C.	Kenmore
Buscaglia, M. Grace	Buffalo
Bush, Joyce M.	Franklinville
Byrd, Margaret W.	Buffalo
Cameron, Nelson C.	Gardenville
Carbery, Joan M.	Farmingdale
Catanzaro, Rose V.	Buffalo
Childers, Evelyn L.	Buffalo
Clarke, Lucille M.	Mohawk
Colarusso, Colette	Buffalo
Collins, Eileen B.	Kenmore
Collins, Patricia A.	Kenmore
Conklin, Janice M.	Castile
Cook, Mary Ellen	Buffalo
Coppola, Rose Ann	Buffalo
Corcoran, Mary E.	Buffalo
Corral, Neaves	Lackawanna
Cortright, Marion L.	Campbell Hall
Covert, Marilyn E.	Spencer
Cowley, Edward P.	Buffalo
Cox, Elaine H.	Buffalo
Creasey, Carol H.	Buffalo
Cunningham, Dorothy A.	Lisle, Illinois
D'Arcy, Lorene M.	Buffalo
Daucher, Jean N.	Buffalo
Dayer, Jayne L.	Buffalo
DeLisle, Eileen M.	Albany

Name	City, town
Del Prince, Margaret M.	Buffalo
De Sormo, Priscilla M.	Buffalo
Dietsche, Jane D.	Egbertsville
Dillemuth, Dorothy K. W.	Buffalo
Dispenza, Florence M.	Buffalo
Dispenza, Martha G.	Cheektowaga
Dodge, Dorothy A.	Buffalo
Donahue, Grace E.	Buffalo
Donnellon, Jeanne M.	Buffalo
Doud, Evelyn M.	Canaseraga
Downey, Joan C.	Lackawanna
Drumm, Muriel V.	Buffalo
Durland, Marjorie H.	Middletown
Easton, Lawrence S.	Rochester
Easton, Roger D.	Rochester
Eggert, Dorothy M.	Buffalo
Ellis, Jane S.	Buffalo
Ellmauer, Shirley K.	Liberty
Enzinna, Jean C.	Buffalo
Ertell, Edith F.	Buffalo
Fahey, Rosemarie	Buffalo
Farwell, Lucille E.	Wilson
Faturos, Anna	Buffalo
Feldman, Marwin L.	Buffalo
Fenar, Leo F.	Dunkirk
Fisher, Alice M.	Dansville
Flayer, Edward W.	Buffalo
Fletcher, Beverly	Buffalo
Flick, Eleanor	Springville
Forgione, Frances M.	Rochester
Frank, Beatrice S.	Buffalo
Frank, Charlotte D.	Buffalo
Freas, Judith A.	Buffalo
Fuller, Carol J.	Buffalo
Galante, Phyllis A.	Niagara Falls
Gallagher, Kathleen E.	Kenmore
Gamble, Helen D.	Buffalo
Gayton, Lois W.	Kenmore
Gentile, Angelica R.	Buffalo
Giambrone, Angela	Buffalo
Gibbs, Frederick J., Jr.	Lockport
Giglia, Josephine L.	Buffalo
Gimbrone, Carmelina R.	Buffalo
Golata, Dorothy F.	Buffalo
Grantz, Rita A.	Lockport
Gray, John R.	Buffalo
Green, Dorothy A.	Buffalo
Greggo, Raymond J.	Buffalo

Name	City, town
Guadagna, Jean S.	Buffalo
Gucwa, Jane B.	Buffalo
Haber, Celine B.	Buffalo
Hanes, Patricia J.	Buffalo
Hanson, Joan P.	Angola
Hare, Carmen L.	Buffalo
Haruch, Anthony J.	Durhamville
Hatch, Dorothy E.	Ebenezer
Hayes, Katherine A.	Waterloo
Healy, Patricia J.	Buffalo
Heck, Lorna M.	Snyder
Heim, Ruth M.	Trenton Falls
Heinold, Mary V.	Buffalo
Henderson, Donald	Buffalo
Hendricks, Betty A.	Elmira
Hennig, Harriet J.	Buffalo
Hermann, William M.	Buffalo
Herrington, Mabel R.	Averill Park
Hicken, Geraldine M.	Buffalo
Hill, Geraldine Agnes.	Buffalo
Hilliker, Thelma M.	Buffalo
Hirsch, Beatrice	Buffalo
Hoerner, Arlene M.	Ebenezer
Hogan, Julia M.	Sherburne
Holland, Marvin H.	Lockport
Hooper, Alice V. Harrison.	Buffalo
Horton, William L.	Newfane
Housman, Russell F.	Buffalo
Hrycik, Walter S.	Buffalo
Huber, Jeanne K.	Almond
Hurcomb, Jean	Buffalo
Hurley, Sally Ann.	Kenmore
Hutcheson, Marjorie J.	Scarsdale
Idoni, Roslyn Ann.	New Rochelle
Jamieson, Marjorie A.	Patchogue
Jankowska, Charlotte J.	Buffalo
Jennings, Mary Lou.	Richburg
Jones, William E.	Buffalo
Joyce, Albert E.	Alden
Kahl, Marion M.	Buffalo
Kallen, Inge C.	Buffalo
Kaltenbach, Richard	Buffalo
Keeley, Marguerite F.	Tonawanda
Keleher, Jeanne E.	East Aurora
Kelly, Katherine E.	Buffalo
Kelly, Patricia Ann.	Snyder
Kemp, Mary C.	Allegany

Name	City, town
Kessel, Catherine L.	Buffalo
Kiliszcwski, Joseph J.	Buffalo
Kilmer, Alfred D.	Hudson
Kilts, Sarah D.	Adams
Kindt, Doris M.	North Tonawanda
Klein, Hubert G.	Amherst
Kleine, Alice E.	Buffalo
Klemann, Joan R.	Quaker Bridge
Klopf, Betty E.	Buffalo
Kogler, Carl J.	Buffalo
Kokolus, Mary	Buffalo
Koralewski, Michael J.	Buffalo
Koscianski, Barbara M.	Buffalo
Kosick, Helen	Gowanda
Kresge, Jeanne M.	Middletown
Kroll, Emily C.	Buffalo
Kruk, Arthur F.	Buffalo
Kruszczynska, Florence M.	Buffalo
Krzak, Eleanor A.	Buffalo
Kuszynski, Regina M.	Buffalo
Kwiatkowski, Julian D.	Buffalo
Lambert, Minnie M.	Rochester
Landy, Marilyn L.	Buffalo
Langdon, Jean R.	Ransomville
Lango, Ethel	Buffalo
Larrabee, Donna M.	Buffalo
LaScala, Katherine M.	Middletown
LaVoy, Walter J.	Glens Falls
Leichty, Rose D.	Buffalo
Levey, Joanne E.	Buffalo
Lewin, Clare	Buffalo
Locke, Maryann E.	Buffalo
Lo Curcio, Mary Anne.	Buffalo
Long, Liane M.	Buffalo
Lundberg, John H.	Wide Beach
McCale, Gertrude R.	Camden
McCarthy, Joseph T.	Buffalo
MacDougall, Carol	Buffalo
McIlreath, Kathryn M.	Dannemora
McMahon, Mary F.	Buffalo
McMahon, Patricia A.	Buffalo
MacPherson, Helen M.	Mendoza
MacPherson, Jane E.	Buffalo
McQuaid, Claudia T.	Kenmore
Macali, Joseph M.	Buffalo
Madonia, Mary V.	Buffalo
Maggio, Gloria E.	Buffalo
Mahoney, Thomas W.	Dunkirk

Name	City, town
Mancini, Grace	Batavia
Mancini, Mary E.	Batavia
Mancini, Mary L.	Williamsville
Martin, Mary Margaret.	Buffalo
Mayer, Donald B.	Williamsville
Mazuca, Florence M.	Buffalo
Messer, Dolores E.	Buffalo
Micherdzinski, Richard L.	Cheektowaga
Miller, Patricia A.	Buffalo
Mineo, Anne R.	Buffalo
Monk, Dorothy M.	Buffalo
Moran, Marian E.	Avon
Mowatt, Edith C.	Kenmore
Murphy, Joan T.	Buffalo
Murphy, Mildred M.	Lockport
Nabach, Frances S.	Buffalo
Nepokroett, Nadia B.	Buffalo
New, Rosemary	Williamsville
Newell, Paul A.	Buffalo
Notaro, Adeline P.	Buffalo
Notaro, Delia	Buffalo
O'Brian, Winifred M.	Buffalo
O'Brien, Patricia C.	Buffalo
O'Brien, Ruth M.	Buffalo
Odell, Janet Mae.	Hamburg
O'Hara, Barbara Anne.	Niagara Falls
Okoniewski, Rosemary	Buffalo
Olmstead, Mary Lou.	Kenmore
O'Mara, Mary Beryl.	Snyder
Ott, Edna Mae.	Buffalo
Ottney, Jeanne M.	Williamsville
Paglia, Katherine	Buffalo
Palmer, William C.	Derby
Panienka, Ursula D.	Buffalo
Peck, H. James.	Buffalo
Pelczynski, Lorraine H.	Cheektowaga
Pelton, Harold V.	Fredonia
Pempsell, Betty Jane.	Kenmore
Peters, Felicia L.	Buffalo
Phillips, Frances E.	Niagara Falls
Pielusko, Genevieve M.	North Tarrytown
Pierce, Fay J.	Buffalo
Platt, Marjorie E.	Savona
Platts, Arlene R.	Huntington Station
Radice, Margarita A.	Buffalo
Radtke, Patricia A.	Buffalo

Name	City, town
Rammacher, Wilma M.	Buffalo
Ramunno, Mary J.	Buffalo
Rapp, Marguerite A.	Buffalo
Reitz, Sara J.	Quaker Bridge
Riley, M. Kay.	Olean
Rindfuss, Raymond N.	Buffalo
Rindone, Lewis D.	Kenmore
Ring, Barbara L.	Jamestown
Romaniuk, Jack	Springville
Rucinska, Rita A.	Buffalo
Runckel, Mary E.	Buffalo
Ruppel, Marylyn C.	Buffalo
Sannella, Lucille K.	Buffalo
Sarra, Richard A.	Buffalo
Schoenfeldt, Margaret M.	North Tonawanda
Schonewolf, Lorayne E.	Buffalo
Schroeder, Miriam I.	Buffalo
Schurr, Cadence A.	Kenmore
Seweryn, Phyllis A.	Buffalo
Shreenan, Ellen M.	Buffalo
Silberberg, Marjorie	Buffalo
Sion, Germaine M.	Springville
Siracuse, Nina M.	Buffalo
Siuda, Theresa F.	Buffalo
Slade, Walter A.	Buffalo
Sladich, Anne F.	Gowanda
Slichter, Alfred R.	Hamburg
Slovich, Jean T.	Batavia
Smith, D. Wayne.	Wyoming
Smith, Minnie	Rochester
Spencer, Joan M.	Kenmore
Spies, Cynthia J.	Mt. Kisco
Stahl, Henry N.	Buffalo
Stanton, Jean E.	Canisteo
Stark, Ann M.	Buffalo
Starman, Mary E.	Buffalo
Steffan, Carol J.	Buffalo
Steinmiller, Mary C.	Eggertsville
Stephen, Betty D.	Buffalo
Sterman, Annette	Buffalo
Stibil, Anne D.	Gowanda
Tauriello, Grace I.	Buffalo
Taylor, Ellen A.	Silver Creek
Tedesco, Joseph S.	Buffalo
Thompson, E. Ruth.	Buffalo
Thompson, Ruth C.	Buffalo
Thurber, Olive E.	Bolivar

Name	City, town
Tierney, Maryan D.	Buffalo
Toepfer, Elizabeth A.	Buffalo
Trager, Gloria L.	Mt. Vernon
Turnbull, Eleanor M.	Derby
Twist, Mary E.	Buffalo
Vallett, June R.	Buffalo
Vanderhoff, Rosemary K.	Niagara Falls
Volo, Alfonso J.	Buffalo
Vreeland, Gladys R.	Buffalo
Wagner, Gloria M.	Buffalo
Waite, Bettyelna	Alexander
Ward, Joan F.	Lockport
Weber, Viola R.	South Wales
Webster, Ruth I.	Niagara Falls
Weinstein, Mollie	Buffalo

Name	City, town
Weiss, Elizabeth J.	Kenmore
Welch, Donald J.	Buffalo
Welsh, Roberta M.	Marcellus
White, Robert E.	Arcade
Whitney, Marie E.	Middleport
Wick, Mary C.	Lockport
Wilken, Ruth A.	Buffalo
Williams, Doris F.	Utica
Williams, Merrill L.	Orchard Park
Willis, Roger L.	Fredonia
Windle, Margaret Ann	Lockport
Winn, Harriet B.	Petersburg
Wood, Antoine Parks	Altona
Woodend, Myrtle H.	Randolph
Wurzer, Anna L.	Winchester
Zahm, June R.	Buffalo

JUNIOR

Name	City, town
Abbott, Margaret T.	Williamsville
Abbott, Nancy R.	Williamsville
Abel, Grace C.	Shortsville
Abelli, Madeline P.	Buffalo
Abgott, S. Sally	Buffalo
Abraham, Gloria Ann	Geneva
Albert, Joan A.	Buffalo
Alesse, Sally L.	Eggertsville
Allen, Ruth A.	Buffalo
Argy, Lois A.	Cosy Dell, Ontario
Armsden, Elsie R.	Buffalo
Armstrong, John D.	Bay Shore
Auchmoody, Elton W.	Niagara Falls
Baker, Mildred A.	Owasco
Barrett, Dorothy G.	Kenmore
Bedaska, Eugene J.	Kenmore
Begg, Rosalind Jones	Buffalo
Bellinger, Elsie Mae	Buffalo
Beltzer, Grace	Valley Stream
Bentley, Russel D.	Buffalo
Berry, Marilyn J.	Buffalo
Beyer, Jeanne E.	Buffalo
Bisci, Dina V.	Buffalo
Blais, Bernice M.	Kenmore
Blowers, Ethelyn	Caledonia
Blowers, Genevieve L.	Caledonia
Brady, Elaine M.	Buffalo
Braun, Phyllis M.	Buffalo
Brooks, Miriam Hudson	Kenmore

Name	City, town
Brunca, Marion W.	Rochester
Burns, Charlotte M.	Buffalo
Bury, George R.	Fremont Center
Butler, Margaret E.	Lackawanna
Caher, Grace D.	Buffalo
Carlson, Joann E.	Belmont
Carroll, Katherine E.	Holcomb
Carter, Mary Jane	Williamsville
Caves, Jane R.	Arcade
Cechini, Violet G.	Buffalo
Chapman, Lois N.	Massena
Chassin, Davine	Buffalo
Chiesi, Gloria E.	Buffalo
Chirnoff, Judith Lec	Buffalo
Clydesdale, William A.	Gardenville
Cocklin, Helen M.	Buffalo
Coho, Robert D.	Buffalo
Converse, Shirley R.	Deansboro
Cook, Elizabeth Ann	Palmyra
Coppock, R. Margaret	Niagara Falls
Corcoran, Margaret	Buffalo
Corkery, Elizabeth M.	Jamestown
Cosmano, Armelinda J.	Buffalo
Cox, Annette L.	North Tonawanda
Cullen, George E.	Kenmore
Cunningham, Dorothy S.	Niagara Falls
Dabney, Mazie I.	Lakewood, New Jersey
Darvill, David C.	Buffalo

Name	City, town
Dembowski, Arthur L.	Rochester
Diaz, Elvira	Lackawanna
Dietter, Robert G.	Buffalo
Dimaggio, Ida	Buffalo
Dixon, Shirley R.	Kenmore
Dolan, Patricia E.	Buffalo
Donovan, Marita B.	Buffalo
Dove, Dolores	Perry
Dunkleberger, Doris L.	Lockport
Eckert, Doris M.	Buffalo
Elwell, Ione A.	Jamestown
Erb, Walter B.	Albany
Erwin, Jeanette M.	East Rochester
Eschner, Mae A.	Buffalo
Estony, Barbara J.	Wilson
Ewing, Nancy J.	Lancaster
Fabiano, Genevieve L.	Buffalo
Faltisco, Dorothy J.	Buffalo
Farrell, Norma	Williamsville
Feldman, Maynard D.	Buffalo
Fessard, Henry C.	Williamsville
Feucht, Harry P.	Buffalo
Fischer, Carole Fay	White Plains
Flanders, Della B.	Buffalo
Fleckenstein, Dorothy	Colden
Friedman, Gladys G.	Woodbourne
Frost, Freda D.	Bolivar
Fuller, Nathalie	Williamson
Gable, Mary C.	Buffalo
Galbo, Vincent T.	Buffalo
Ganschow, Marjorie R.	Buffalo
Gaus, Leona M.	Wellsville
George, Jeanette M.	Elmira
Gerstmann, Jewel R.	Buffalo
Giardino, Gloria M.	Rome
Godfrey, Mary A.	Buffalo
Goodell, Jean M.	Irving
Gordon, Florence G.	Buffalo
Griffith, Corrine J.	Niagara Falls
Grisanti, Victoria J.	Buffalo
Grossman, Gloria	Buffalo
Grotzka, Marilyn L.	Buffalo
Gzowski, Sophia D.	Oakfield
Hamm, Marion L.	Corning
Hanford, Elizabeth	Orchard Park
Harrower, Jean M.	Batavia
Hartman, Betty Ann	Buffalo

Name	City, town
Hartung, Ruth E.	Buffalo
Hauser, Alva C.	Buffalo
Healy, Mary A.	Buffalo
Hempstead, Henry L.	Buffalo
Hick, Marcella P.	Jeffersonville
Hill, Geraldine M.	Buffalo
Hodge, Kenneth D.	Hornell
Howard, John N.	Belleville, New Jersey
Howard, Roberta J.	Buffalo
Howland, Gloria I.	Cortland
Hultman, Arduth E.	Tonawanda
Hurley, Angela M.	Buffalo
Hutton, Richard H.	Bellmore
Jackson, Betty Jean	Niagara Falls
James, Helen L.	Tonawanda
Jordan, Elizabeth	Sidney
Kaeppel, Ruth M.	Williamsville
Kalinowski, Althea K.	Buffalo
Kalinowski, Elvine B.	Buffalo
Kamprath, Nancy M.	Buffalo
Kassenoff, Selma	Toms River
Kick, Jean M.	Buffalo
Kinal, Alice L.	Buffalo
King, Nancy I.	Buffalo
Kingston Margaret M.	Kenmore
Knoerl, Ruth M.	Buffalo
Krantz, Esther J.	Shortsville
Kron, Shirley	Buffalo
La Reau, Ann M.	Buffalo
Lawler, Rita	Buffalo
Lawrence, Virginia R.	Buffalo
Leach, Lloyd H., Jr.	Buffalo
Lefort, Noralyn J.	Arcade
Lehr, George F.	Kenmore
Leising, Elizabeth N.	Buffalo
Leonard, Barbara A.	Williamsville
Le Veque, Mary Jane	East Aurora
Lewis, Violet W.	Buffalo
Luce, Lorain Dean	Gowanda
McArthur, Elizabeth A.	Orchard Park
McCullough, Earl S.	Buffalo
McGinn, Nanette H.	Kenmore
McGuire, Geraldine J.	Depew
McKenzie, Kathryn E.	Lackawanna
McPherson, Irene M.	Buffalo
Machnica, Dolores G.	Buffalo

Name	City, town
Manguso, Marie G.	Buffalo
Manning, Dorothy M.	North Tonawanda
Marchese, Rosemarie	Buffalo
Marosy, John I.	Tonawanda
Martin, Margaret	New Rochelle
Marvin, Suzanne	Buffalo
Massaro, Jeanette	Buffalo
Matthews, Shirley Ann	Buffalo
Mattie, Jeanette E.	Akron
Mayback, Dorothy	Oakfield
Mentesano, Angela D.	Rochester
Meyer, Bernadine J.	Alden
Michaels, John J.	Buffalo
Migliore, Louise R.	Buffalo
Miller, Anna O.	Buffalo
Miller, James A.	Buffalo
Miller, Marilyn J.	Buffalo
Miller, Theresa M.	Elmira
Moore, Phyllis Ann	Salamanca
Mootz, Rita	Buffalo
Morrison, Shirley J.	Buffalo
Mortellaro, Virginia F.	Batavia
Mott, Kathleen D.	Union
Muegel, Emily L.	East Amherst
Naas, Hazel	Cohocton
Nagel, Christine A.	Buffalo
Neaman, Ruth P.	Tonawanda
Neild, Nancy J.	Hornell
Newton, Antoinette E.	Hamburg
North, Colleen M.	Buffalo
O'Brien, Edna E.	Buffalo
O'Hagan, Kathleen D.	Tonawanda
O'Hara, Mary M.	Niagara Falls
Oliver, Mary Ann	Niagara Falls
O'Shea, Patricia E.	Buffalo
Page, Alfred L.	Seneca Falls
Parker, Ruth C.	Buffalo
Pfeffer, Virginia I.	Buffalo
Pierce, Barbara A.	Kenmore
Place, Karl H.	Buffalo
Poleszak, Leonard J.	Buffalo
Provenzano, Jennie F.	Buffalo
Przywara, Helen	Buffalo
Pulvino, James N.	Rochester
Querns, Robert W.	Lockport
Rados, Helen C.	Buffalo
Rafter, Janet M.	Clarence Center

Name	City, town
Rauch, Ruth E.	Hamburg
Ray, Lois A.	Batavia
Rice, Elizabeth G.	Buffalo
Rickert, Rita R.	Kenmore
Rooney A. Genevieve	Buffalo
Rose, Anne E.	South Kortright
Rosen, Rae Himmel	Buffalo
Ross, Beverly J.	Buffalo
Ross, Marianne L. Watters	Buffalo
Roth, Betty L.	Orchard Park
Ruhland, Paul M.	Batavia
Ryan, Mary Alice	Buffalo
Saeva, John G.	Dunkirk
Schaefer, Alan F.	Egbertsville
Scheiber, Olive J.	South Byron
Schloerb, Jack C.	Buffalo
Schoenchen, Eleanor M.	Mt. Vernon
Sciolino, Ida R.	Buffalo
Seefried, Jean A.	East Amherst
Sega, Carolyn June	Olean
Sharp, Patricia	Buffalo
Shaw, Frederick D.	Phoenix
Sixt, Fred W.	Springville
Smith, Helen J.	Fillmore
Smith, Virginia	Buffalo
Soderlund, Charles M.	Buffalo
Soper, Jean M.	Geneva
Staley, Wayne G.	Wyalusing
Stenger, Marion E.	Buffalo
Stickney, Doris L.	Williamsville
Stiles, Lois Mae	Alden
Straub, Mary A.	Buffalo
Strodel, Ruth R.	Buffalo
Stroud, Virginia A.	Buffalo
Swanson, Edith D.	St. Albans
Swift, Hubert R.	Akron
Taber, Barbara J.	Oakfield
Teufel, Virginia	Buffalo
Tick, Jeanne D.	Buffalo
Trautwein, Mabel F.	Friendship
Tuttle, Doris E.	Gowanda
Ulrich, Harold M.	Ebenezer
Ulrich, Shirley R.	Buffalo
Van Voorst, Marjorie B.	Ontario
Vastola, Marie A.	Buffalo
Vella, Geraldine A.	Albion
Vester, Robert C.	Buffalo

Name	City, town
Walker, Agnes W.	Buffalo
Wallin, Margaret M.	Hornell
Walsh, Helen C.	Buffalo
Warner, Helen	Buffalo
Wawrzycki, Mary Ann	Perry
Weislo, Lottie L.	Salamanca
Webb, Sherrill C.	Southampton
Weinheimer, Edwin G.	Buffalo
Weinheimer, Frances A.	Buffalo
Weyand, Barbara M.	Hornell

SENIOR

Name	City, town
Abgott, Albert N.	Buffalo
Adamczak, Helen F.	Depew
Adelmann, Leona B.	Buffalo
Anderson, Betty Jo	Kenmore
Anderson, Kathryn H.	Buffalo
Ansell, M. Elaine	Buffalo
Anthony, Eva M.	Lackawanna
Barton, Mary Anne	Buffalo
Bates, Joseph R.	Buffalo
Baumer, Barbara E.	Kendall
Beiling, Wanda E.	Jeffersonville
Bell, Constance E.	Buffalo
Berger, Naomi C.	Mt. Vernon
Bingenheimer, Pauline M.	Derby
Blumberg, Abe	Utica
Boice, Arlene F.	Buffalo
Bolm, John W.	Buffalo
Brady, Charles N.	Buffalo
Brown, Alice M.	White Plains
Buchholz, Gretchen M.	Buffalo
Butts, Hortense E.	Buffalo
Callan, Mary Teresa	Buffalo
Campbell, Janet E.	Kenmore
Campbell, Marilyn R.	Forestville
Carlson, Elliott A.	Buffalo
Cavalieri, Anthony M., Jr.	Buffalo
Cherkauer, Rudolph J.	Tonawanda
Chiavaro, Genevieve L.	Buffalo
Clarke, Albert D.	Lockport
Clemons, Charles H.	Buffalo
Coleman, Vashti	Buffalo
Collins, Howard F.	Buffalo
Collins, M. Ellen	Cohocton
Crissey, Kermit H.	Tonawanda
Cumbo, Charles M.	Buffalo
Curtin, Elizabeth A.	Lackawanna

Name	City, town
Wheeler, Marion J.	Buffalo
Williams, Beth M.	Chautauqua
Winfield, Catherine A.	Buffalo
Wolf, Gerald A.	Buffalo
Wolynska, Alice M.	Buffalo
Wozniak, Marcella	Buffalo
Yandian, Rose	Niagara Falls
Yanilos, Helen L.	Buffalo
Ziel, Henry R.	Buffalo

Name	City, town
Day, Hilda B.	Arcade
Del Prince, Ernesta	Buffalo
De Sormo, Jessie A. M.	Buffalo
DiCesare, Gloria M.	Buffalo
Dickinson, Robert C.	Poughkeepsie
Dilger, Jeanne I.	Buffalo
DiPirro, Norma	Buffalo
Dolan, Helen Jane	Lackawanna
Dombrowski, Eleanor J.	Buffalo
Dorczak, Joseph	North Tonawanda
Dorman, Jeanne E.	Corning
Dunn, Nancy J.	Buffalo
Eames, Mary Lois	Niagara Falls
Ebert, Arlene R.	Buffalo
Eiss, Dorothy J.	Buffalo
Engelmann, Margaret E.	Webster
Ennesser, Betty R.	Buffalo
Fitzhenry, Jean A.	Buffalo
Foster, Charles M.	Tonawanda
Frahn, Warren I.	Pearl River
Frank, Joan E.	Rutherford, New Jersey
Frankenfeld, Miriam T.	Buffalo
Gabbey, Maralyn R.	Burt
Gallup, Mary J.	Lowville
Garellick, Benjamin J.	Buffalo
Gau, Margaret A.	Tonawanda
Gay, Beatrice A.	Niagara Falls
Gerber, Harriet M.	Buffalo
Gillian, Patricia J.	Tonawanda
Gillmeister, Althea M.	Buffalo
Godfrey, Stephen M.	Buffalo
Gotthelf, Miriam	Buffalo
Grenda, Teddy T.	Buffalo
Grzywa, Marion A.	Buffalo

Name	City, town
Hackford, Mary Frances	Buffalo
Haley, Jeanne Ruskell	Buffalo
Haley, Ruth	Buffalo
Hall, Viola N.	Snyder
Halpert, Samuel W.	New York
Hare, Dorothy E.	Medina
Hartman, Donald A.	Buffalo
Healy, Daniel J.	Buffalo
Herman, Clement A.	Buffalo
Hoffelt, Alice D.	Buffalo
Hoffman, Hortense M.	Buffalo
Hollands, Mary E.	Canisteo
Hurley, Mary Ellen	Buffalo
Iervolino, Mary L.	Buffalo
Ignatz, Irene M.	Buffalo
Jacobs, Mary Rita	Lancaster
Janke, Grace T.	Tonawanda
Joerg, Ruth G.	North Tonawanda
Kaczmarek, Celestine A.	Darien Center
Klas, Raymond C.	Buffalo
Knapp, John H.	Buffalo
Kohling, Vera M.	Depew
Koop, Gertrude E.	Mount Vernon
Kowalski, Victoria R.	Buffalo
Kruk, Virginia M.	Lackawanna
Kuhn, Virginia M.	Buffalo
Kuhns, Donald F.	Tonawanda
Kuney, Wilma E.	East Aurora
LaCorte, Anne A.	Buffalo
Ladanyi, Laree E.	Buffalo
LaReau, Betty Agnes	Buffalo
Latza, Helen	Buffalo
LaVigne, Barbara M.	Buffalo
Learman, Bertram	Buffalo
Leege, Norman P.	Buffalo
Lesch, Gertrude	Dunkirk
LoVerme, Emma J.	Buffalo
Lyons, Maura M.	Buffalo
McCormick, Patricia	Snyder
McKenna, Eleanor E.	Niagara Falls
McLachlan, Shirley R.	Buffalo
McNinch, Louise A.	Belmont
McRae, Jane E.	Hornell
Macaluso, Mary C.	Buffalo
Mandley, Marion B.	Buffalo
Marion, Mary Ellen B.	Buffalo

Name	City, town
Markowska, Wanda J.	Buffalo
Maroone, Albert E.	Buffalo
Marx, Annette M.	Buffalo
Masterenko, Carol	Buffalo
Masterson, Mary Elizabeth	Buffalo
Mearig, Nancy Jane	LeRoy
Michaelis, Gloria	Buffalo
Migliore, Rose M.	Buffalo
Miller, Charlotte M.	Niagara Falls
Miller, Janet L.	Snyder
Mogavero, Maria D.	Buffalo
Montanari, Mildred A.	Lackawanna
Monteserin, Anita J.	Lackawanna
Morrison, Beatrice E.	Groveland
Moulin, Emily M.	East Amherst
Mullenhoff, Anne A.	Buffalo
Murphy, Marjorie A.	Buffalo
Nappa, Anna J.	Gardenville
Nelson, Harry P.	Buffalo
Neuhauser, Joseph W.	Eden
Nichols, Wilma K.	Batavia
Nobles, Joyce D.	South Dayton
Nowak, Pauline	Buffalo
O'Donnell, Daniel F.	Buffalo
Oliver, Joseph A.	Williamsville
Oliver, Rosalie A.	Portageville
Parentis, Vresida	Buffalo
Patelunas, Robert J.	Woodlawn
Patterson, Joy E.	Buffalo
Petrie, Helen E.	Buffalo
Pieper, George W.	Buffalo
Pilarski, Florence K.	Buffalo
Plesur, Milton	Buffalo
Poniatowski, Valeria E.	Lackawanna
Race, Barbara M.	Greene
Racz, Mary E.	Buffalo
Radzik, Rita	Buffalo
Rawlins, Mary E.	Holcomb
Rawson, Dorothy W.	Buffalo
Renner, Margaret K.	Mayville
Richardson, Barbara J.	Grand Island
Rogers, Werner W.	Buffalo
Ross, Bartlett	Springville
Roth, Eunice	Larchmont
Runyan, Donald F.	Tonawanda
Russo, Rose	Buffalo
Ryden, Edwin F.	Buffalo
Ryen, Betty F.	Buffalo

Name	City, town
Sacha, Stanley W.	Buffalo
Sandy, Joy	Buffalo
Schelble, Loretta	Boston
Scheuerle, Lois	Buffalo
Schmid, Norma M.	Buffalo
Schoy, Norine E.	Buffalo
Schreiner, Thomas	Buffalo
Schutrum, Luella A.	Buffalo
Sdao, William	Niagara Falls
Sega, Carol Janet	Olean
Seibert, Mary Ellen	Buffalo
Shapley, Patricia	Williamsville
Shaw, Elizabeth F.	Naples
Sherman, Virginia M.	Buffalo
Short, Betty J.	Buffalo
Sickles, Elizabeth I.	Buffalo
Silberman, Burton	Buffalo
Simcoe, Dolores	Buffalo
Simonian, Barbara	Buffalo
Skinner, Dolores J.	Kenmore
Skorupska, Dorothy	Buffalo
Sloate, Barbara L.	Mt. Vernon
Smith, Elaine B.	Kenmore
Snyder, Rosamond H.	Fulton
Spencer, Marilyn	Kennedy
Stachowicz, Henry J.	Buffalo
Staines, Merwin	Buffalo
Steffan, Eveline	Buffalo
Stickney, Ruth J.	Kenmore
Strangio, Grace M.	Scarsdale
Strong, Jean Moore	Holland
Swannie, Grace V.	Kenmore
Sykes, John Wm.	Hempstead
Tatu, Marcella A.	Buffalo
Taylor, Norma M.	Buffalo

Name	City, town
Tedesco, Loretta Mae	Silver Creek
Thornell, Helen May	Batavia
Tighe, Margaret P.	Cheektowaga
Tomic, Eleanor	Buffalo
Tulloch, Edgar J.	Gowanda
Vandegrift, Jean M.	Buffalo
Vastola, Louis	Buffalo
Vogan, Rollin G.	Buffalo
Voght, Donald W.	Tonawanda
Watson, Robert J.	Buffalo
Weisbeck, Nancy T.	Buffalo
Weitzman, Nita	Buffalo
Wellen, Mary G.	Tonawanda
Westphal, Ruth Allene	Buffalo
Whalley, Janet	Buffalo
Wheeler, Lois C.	Orchard Park
Whiting, Jean W.	Buffalo
Williams, Lorraine A.	Buffalo
Wilson, Barbara J.	Wilson
Woeller, Leita G.	Buffalo
Wolf, John H., Jr.	Buffalo
Wozniak, Anna T.	Buffalo
Young, Elizabeth J.	Niagara Falls
Youngwirth, Ruth L.	Buffalo
Zarcone, Marie G.	Orchard Park
Zeller, Ruth A.	Alexander
Zier, Ray H.	Buffalo
Special Students	
Buffone, Helen L.	Waterloo
James, Elaine F.	Buffalo

REGISTRATION FIGURES 1946-47

1st Semester

GENERAL ELEMENTARY DEPARTMENT:

Fourth Year.....	100
Third Year	150
Second Year.....L.....	147
First Year.....	208
Special Students.....	2

607

HOME ECONOMICS DEPARTMENT:

Fourth Year.....	63
Third Year.....	57
Second Year.....	70
First Year.....	90

280

INDUSTRIAL ARTS DEPARTMENT:

Fourth Year.....	47
Third Year.....	41
Second Year.....	44
First Year.....	170

302

ART EDUCATION DEPARTMENT:

Fourth Year.....	28
Third Year.....	30
Second Year.....	67
First Year.....	78

203

EXTENSION DEPARTMENT.....

(50 Graduate Dept. students included)

SUMMER SESSION 1946.....

(70 Graduate Dept. students included)

TOTAL FOR COLLEGE DEPARTMENTS.....

1,392

184

636

2,212

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NEW YORK STATE
COLLEGE FOR TEACHERS
BUFFALO 9, N. Y.

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AMERICAN ASSOCIATION OF TEACHERS COLLEGES
AMERICAN ASSOCIATION OF UNIVERSITY WOMEN
AMERICAN COUNCIL ON EDUCATION
MIDDLE STATES ASSOCIATION OF COLLEGES AND
SECONDARY SCHOOLS (Pending)

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BUFFALO 9, N. Y.

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have graduated (Name of high school) (Month and year)

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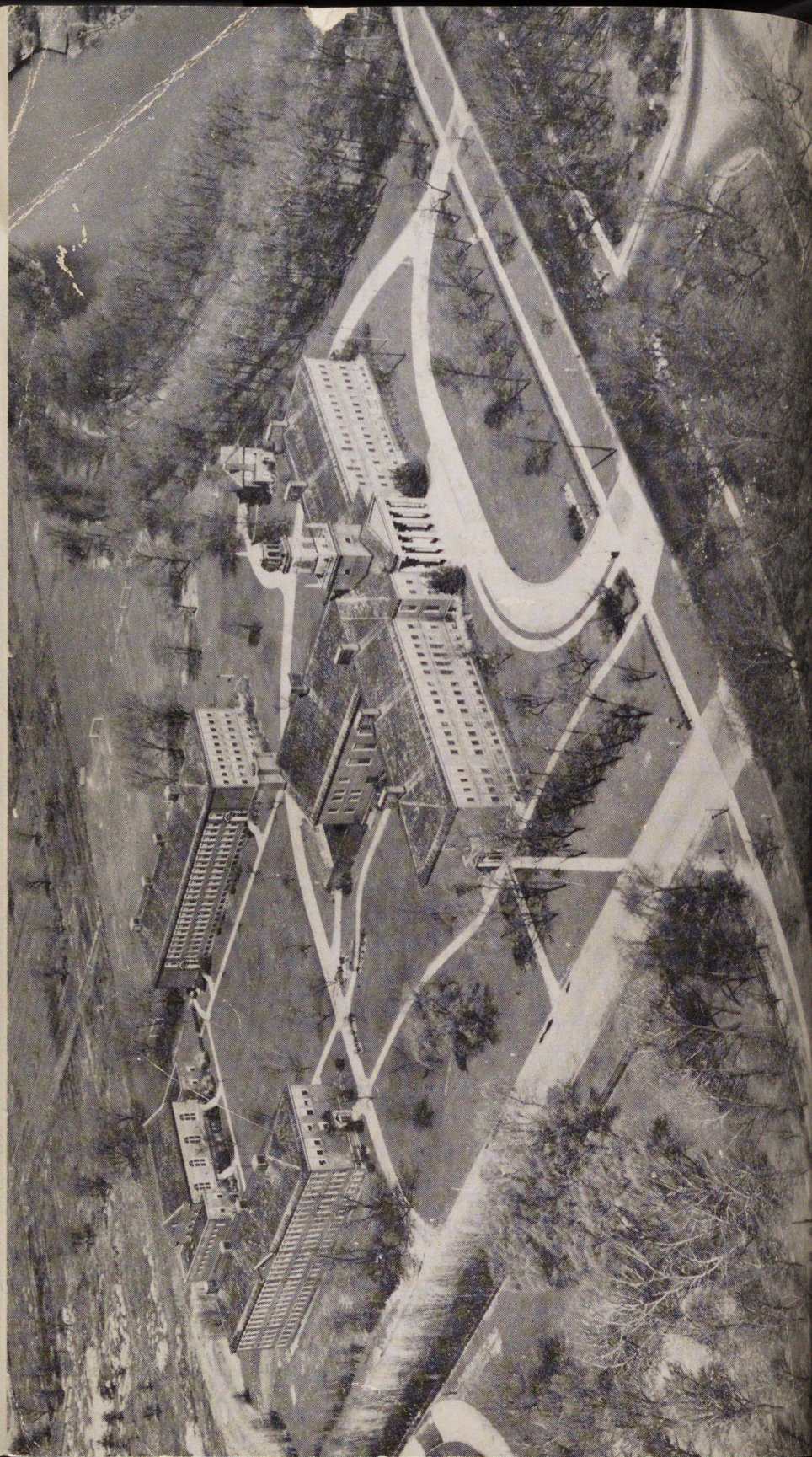
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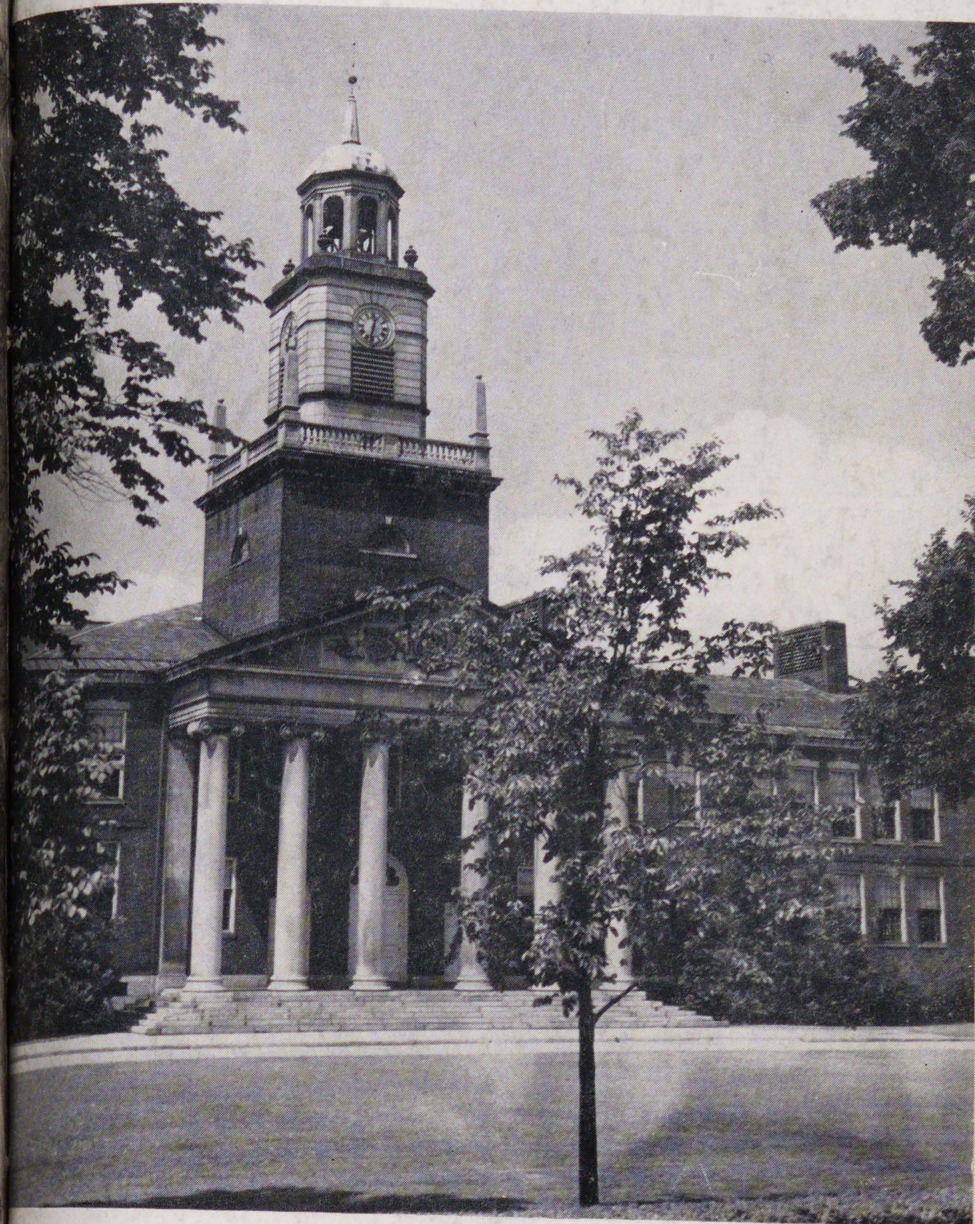
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