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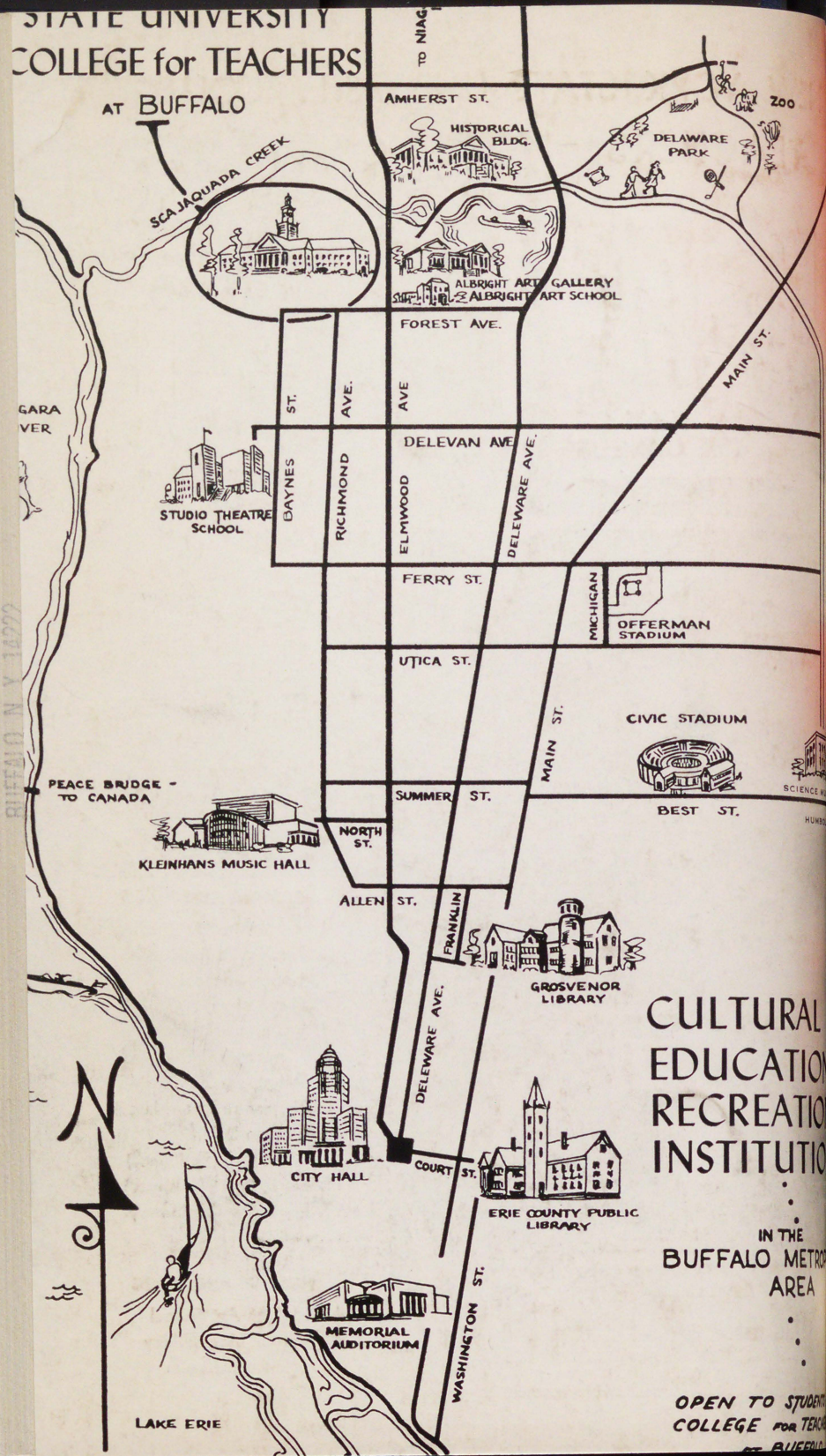
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STATE UNIVERSITY
COLLEGE for TEACHERS
AT BUFFALO



CULTURAL
EDUCATION
RECREATION
INSTITUTION

IN THE
BUFFALO METRO
AREA

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AT BUFFALO

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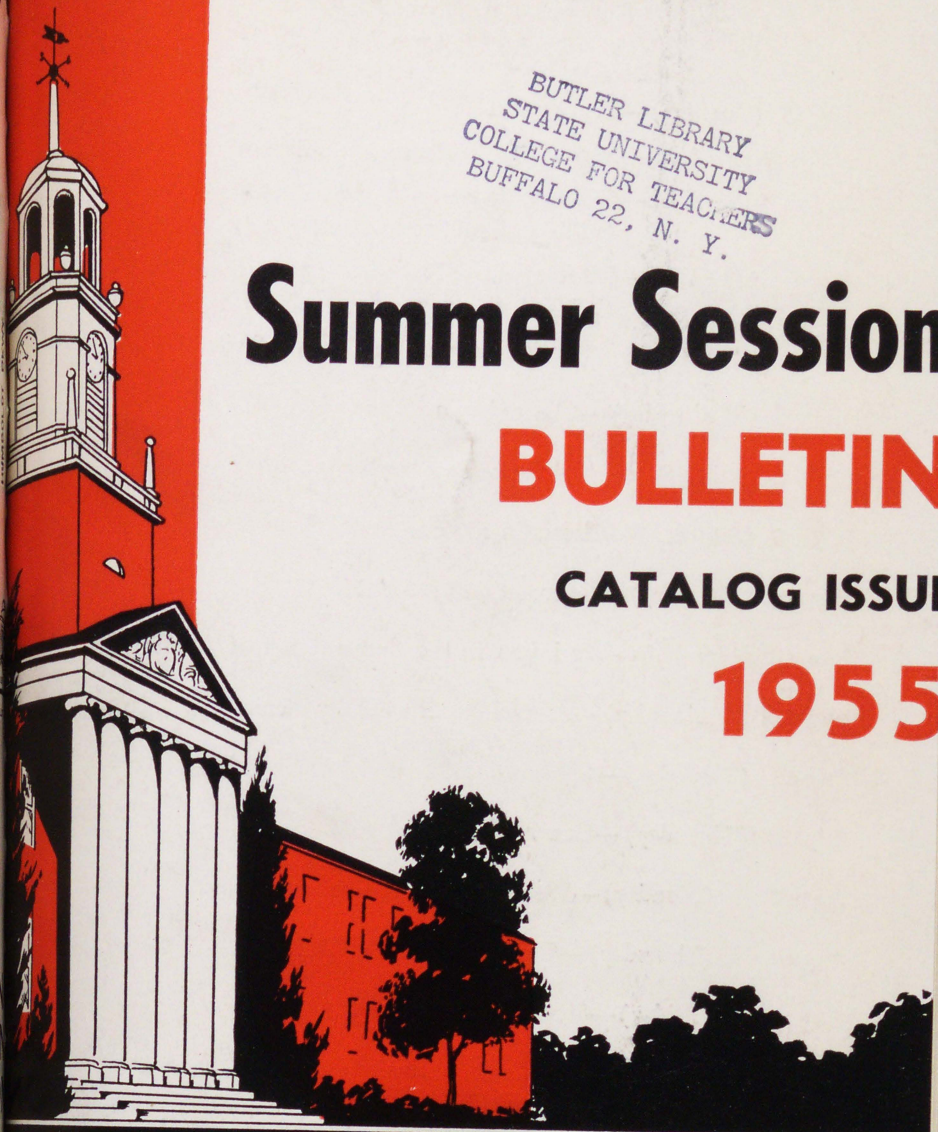
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BUFFALO 22, N. Y.

Summer Session

BULLETIN

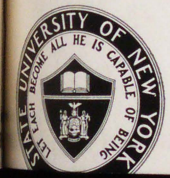
CATALOG ISSUE

1955



STATE UNIVERSITY OF NEW YORK

COLLEGE for TEACHERS
BUFFALO



CALENDAR 1955

- July 5 (Tuesday)—Registration
8:00 A.M.—Accelerated Students—Auditorium
9:30 A.M.—Graduate Students—Gymnasium
(I.T.T.P. Students in Campus School Gymnasium)
1:00 P.M.—Undergraduate Students—Gymnasium
(I.T.T.P. classes meet)
International Education Seminar in Geneva, Switzerland, begins.
- July 6 (Wednesday)—Classes begin.
- July 8 (Friday)—Faculty Social Evening
- July 9 (Saturday)—Classes in session.
- July 14 (Thursday)—Convocation 9:30 A.M.
- July 18 (Monday)—Workshop in the Conservation of Hearing begins.
- July 20 (Wednesday)—Annual Student-Faculty Picnic.
- July 21 (Thursday)—Convocation 11:00 A.M.; Book Fair
- July 28 (Thursday)—Convocation 12:30 A.M.
- August 1 (Monday)—Workshop in Mathematics begins.
- August 4 (Thursday)—Convocation 2:00 P.M.
- August 12 (Friday)—Six-weeks session ends.
- August 14 (Sunday)—Art Camp begins.
—Science Camp begins.
- August 15 (Monday)—Workshop in Teaching the Language Arts in
the Elementary School begins.
- August 26 (Friday)—Eight-weeks session ends.

State University of New York
COLLEGE FOR TEACHERS

BUFFALO

BULLETIN

Volume XXIII
Number 3

1955 SUMMER SESSION
CATALOG ISSUE

Buffalo, New York
April, 1955

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STATE UNIVERSITY
COLLEGE FOR TEACHERS
BUFFALO 22, N. Y.

One of four publications issued quarterly: March, April, August, and October by State University of New York College for Teachers, Buffalo 22, New York.

Entered as second class mail matter, November 3, 1932, at the Post Office of Buffalo, N. Y. under the Act of August 24, 1912. Acceptance for mailing at special rate authorized December 13, 1932.

SIGNIFICANT DATES IN THE HISTORY OF THE COLLEGE

- 1867 Legislature created the Normal School at Buffalo
- 1871 Henry B. Buckham appointed first principal, school opened with three departments, Normal, Collegiate, Scientific
- 1873 First graduating class—23 graduates
- 1886 James M. Cassety appointed second Principal
- 1895 Three-year "Primary and Kindergarten Course" initiated
- 1906 Manual Arts department established
- 1909 Daniel Upton appointed third Principal
- 1910 Household Arts Department established
- 1915 Edward H. Butler, Jr., succeeds Edward H. Butler as President of Local Board
- 1919 Harry W. Rockwell appointed fourth Principal
- 1919 Home Economics Program became four-year course leading to Bachelor of Science in Home Economics
- 1920 Manual Arts Department changed to Industrial Arts Department
- 1925 Normal course became four-year program leading to Bachelor of Science in Education
- 1928 Name changed to New York State College for Teachers, Principal changed to President; accredited by American Association of Teachers Colleges
- 1930 Art Education Department established
- 1931 Moved to present campus
- 1939 Accredited by American Association of University Women
- 1944 Education of Teachers for Exceptional Children Division established
- 1945 Master of Science degree authorized
- 1948 State University of New York established; College accredited by Middle States Association of Colleges and Secondary Schools
- 1951 President Harry W. Rockwell retired; Dean Ralph Horn became Acting President; Harvey M. Rice appointed President

The College is a member of the following organizations:

AMERICAN ASSOCIATION OF COLLEGES FOR TEACHER EDUCATION
 AMERICAN ASSOCIATION OF COLLEGIATE REGISTRARS
 AMERICAN ASSOCIATION OF UNIVERSITY WOMEN
 AMERICAN COUNCIL ON EDUCATION
 ASSOCIATION OF COLLEGE UNIONS
 MIDDLE STATES ASSOCIATION OF COLLEGES AND SECONDARY SCHOOLS
 NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS
 WESTERN NEW YORK SCHOOL STUDY COUNCIL

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OFFICERS OF SUMMER SESSION

HARVEY M. RICE	<i>President</i>
RALPH HORN	<i>Dean</i>
WALTER B. GREENWOOD	<i>Director of Summer Session</i>
STANLEY A. CZURLES	<i>Director of Art Education</i>
HARRY J. STEEL	<i>Director of Education</i>
HORACE MANN	<i>Director of Education for Exceptional Children</i>
ALLAN P. BRADLEY	<i>Director of Elementary Education</i>
ROBERT E. ALBRIGHT	<i>Director of Graduate and Extension Education</i>
MARGARET A. GRANT	<i>Director of Home Economics Education</i>
KENNETH W. BROWN	<i>Director of Industrial Arts Education</i>
GORDON J. KLOPF	<i>Dean of Students</i>
MARGARET L. KNUEPPEL	<i>Associate Dean of Students</i>
ROBERT T. REDDEN	<i>Associate Dean of Students</i>
KATHRYN HARRIES	<i>Assistant Dean of Students</i>
ANNE ZIERLEYN	<i>Residence Counselor</i>
ROBERT W. MACVITTIE	<i>Principal of Campus School</i>
GEORGE R. SHERRIE	<i>Co-ordinator of Field Services</i>
D. PAUL SMAY	<i>Co-ordinator of Audio-Visual Education</i>
FRANCES G. HEPINSTALL	<i>College Librarian</i>
HELEN R. THIELKING	<i>Assistant College Librarian</i>
EUGENIA TRUESDELL	<i>Assistant College Librarian</i>
MARY M. MAY	<i>Acting Registrar</i>
MORTON R. LANE	<i>Financial Secretary</i>
LORAIN M. RAPS	<i>College Nurse</i>
GEORGE C. BRADY	<i>College Physician</i>
JOSEPH P. CANNAMELA	<i>Food Manager of College Union</i>
CHARLOT M. FETTERMAN	<i>Manager of Bookstore</i>
MARIETTA R. FERRO	<i>Assistant Manager of Bookstore</i>
SYLVIA M. CHAPLIN	<i>Summer Session Secretary</i>

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FACULTY

Joseph P. Adessa.....Health Education
Associate Professor of Health Education

William J. Barnett.....Education
Assistant Professor of Education

Gabriel Betz.....Geography
Assistant Professor, Dept. of Geology and Geography
University of Buffalo, Buffalo, N. Y.

Joseph A. Bolinsky.....Art
Associate Professor of Art

Silas L. Boyd.....Music
Professor and Chairman of the Department of Music

Allan P. Bradley.....Director, Graduate Workshop
Director, Division of Elementary Education

Edith Breckon.....Graduate Workshop (I.T.T.P.)
Teacher, Lewiston-Porter Central School

Kenneth W. Brown.....Industrial Arts
Director, Division of Industrial Arts

Eric Brunger.....Social Studies
Assistant Professor of Social Studies

Peter Busa.....Art
Professor of Art

Marian L. Carroll.....Education
Professor of Education, Director of Child Study Center

Mary E. Cochnower.....English
Professor of English

Howard S. Conant.....Art
Professor of Art

Clarence A. Cook.....Industrial Arts
Associate Professor of Industrial Arts

Hubert E. Coyer.....Health Education
Associate Professor of Health Education

Sherman G. Crayton.....Education
Professor of Education

Eugene L. G. Dakin.....Director, Art Camp
Associate Professor of Art

Marjorie Duly.....Graduate Workshop (I.T.T.P.)
Principal, School 32, Buffalo, N. Y.

Laura Dunklin.....Reading Clinic
Teacher of Reading, Buffalo Seminary

Reuben S. Ebert.....Mathematics
Professor and Chairman of the Department of Mathematics

Theodore E. Eckert.....Science
Professor of Science

Dorothy A. Farmer.....Graduate Workshop (I.T.T.P.)
Teacher, Montibello Public School, Baltimore, Maryland

John Fontana.....Industrial Arts
Professor of Industrial Arts

Martin B. Fried.....English
Professor of English

Betty Gallagher.....Education for Exceptional Children
Associate Professor of Education for Exceptional Children

Charles Gambert.....Elementary Education
Psychologist, Board of Education, Niagara Falls, N. Y.

Joan Godfrey.....Kindergarten
Teacher, Gratwick Elementary School, North Tonawanda, N. Y.

Wilson B. Gragg.....English
Professor of English

Owen Harlan.....Industrial Arts
Associate Professor of Industrial Arts

Carl E. Hein.....History
Assistant Professor of History

Robert L. Heichberger.....Intermediate Instructor
Principal, Main Street School, East Aurora, N. Y.

Oscar E. Hertzberg.....Education
Professor and Chairman of the Department of Education

Mildred Hoffman.....Second Grade
Teacher, Linden Avenue School, Middletown, N. Y.

Mary L. Jamison.....Elementary Education
Associate Professor of Elementary Education, Campus School

Eleanor G. Kelly.....Graduate Workshop (I.T.T.P.)
Assistant Professor of Elementary Education, Campus School

Edgar King.....Fifth Grade
Assistant Professor, Instructor Grade 5, Campus School

George Langdon.....Geography
Professor of Geography, State Teachers College, Mansfield, Pa.

Lorraine A. Lange.....Education
Professor of Education

Harold R. Lofgren.....Art
Associate Professor of Art

Robert W. MacVittie.....Principal, Campus School
Principal, Campus School and Professor of Education

Horace Mann.....Education for Exceptional Children
Director, Division of Education for Exceptional Children

Anna A. Martorana.....Education
Associate Professor of Education

Lester B. Mason.....History
Professor of History

John R. Y. McRae.....English
Assistant Professor of English

Howard J. Meyer.....Education
Assistant Professor of Industrial Arts

Anthony Milanovich.....Education
Associate Professor of Education

Lucille Murley.....First Grade
Teacher, Westview School, Richmond, Indiana

Valentine J. Nadolinski.....Science
Assistant Professor of Science

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Emerson E. Neuthardt.....	Director, International Education Professor of Industrial Arts	
Mae O'Brien.....	Professor of Education	Graduate Workshop
William C. Palmeter, Jr.....	Assistant Professor of Industrial Arts	Industrial Arts
Elizabeth G. Penn.....	Associate Professor of Education	Education
Harold F. Peterson.....	Professor of History and Chairman of the Department of Social Studies	History
Loraine M. Raps.....	Nurse-Instructor	Nurse
Houston T. Robison.....	Professor of History	History
Cecil T. Rodney.....	Associate Professor of Mathematics	Workshop in Mathematics
Mildred S. Roesser.....	Associate Professor of History	History
Alma R. Roudebush.....	Professor of Home Economics	Home Economics
Ellsworth M. Russell.....	Associate Professor of Industrial Arts	Industrial Arts
Conrad J. Schuck.....	Associate Professor of English	English
Allen G. Sexton.....	Assistant Professor of History	History
Eleanor S. Skinner.....	Former Instructor, Science, State College for Teachers, Buffalo, N. Y.	Science Camp Instructor
Paul W. Sloan.....	Professor of Education	Education
D. Paul Smay.....	Professor of Education, Co-ordinator of Audio-Visual Education	Audio-Visual Education
Marguerite M. Smith.....	Assistant Professor of Elementary Education, Campus School	Sixth Grade
Harold J. Steffen.....	Associate Professor of Industrial Arts	Audio-Visual Education
Benjamin Steinzor.....	Assistant Professor of Industrial Arts	Industrial Arts
Sarah Sterrett.....	Assistant Professor of Elementary Education, Campus School	Third Grade
Ruth Sugarman.....	Director, Graduate Workshop (I.T.T.P.) Professor of Elementary Education, Campus School	
Donald W. Trueblood.....	Assistant Professor of English	English
John Urban.....	Professor and Chairman of the Department of Science	Director, Science Camp
Frances Walsh.....	Teacher, School 45, Buffalo, N. Y.	Primary Instructor
Norman F. Weaver.....	Associate Professor of History	History
Katheryne T. Whittemore.....	Professor of Geography	Geography
La Verne Zimmer.....	Instructor, Campus School, Grade 7	Seventh Grade

OBJECTIVES OF THE COLLEGE

The State University College for Teachers at Buffalo, established and maintained by the State of New York, is under the jurisdiction and control of the State University Board of Trustees, the President of the State University, and the Local Council of the College. It achieves its primary purpose, the education of teachers for the public schools of New York State, by observing the following objectives:

- a. To give the student a broad cultural background in the principal fields of organized knowledge.
- b. To give the student a mastery of the field to be taught and a supporting knowledge of related fields.
- c. To help the student understand the important position of the teacher in the relationship between education and society.
- d. To aid the student to develop a personality that will prepare him for leadership in the school and the community.
- e. To help the student acquire a knowledge of child growth and development.
- f. To help the student understand and master the professional knowledge and skills needed for successful teaching.
- g. To encourage the student to develop a guiding philosophy of education and of life.

LOCATION OF THE COLLEGE

Buffalo, the Queen City of the Lakes, is an ideal location for a summer school. The climate, tempered by westerly winds from Lake Erie, is usually cooler and more comfortable than that of any other Eastern city.

Buffalo is easily accessible by bus, train, air, or automobile; the College can be reached easily by bus or taxicab within the city. Across the street from the College are the Albright Art Gallery and the Buffalo Historical Museum, imposing works of architecture. They offer interesting exhibits and programs to the summer visitor. Located a short distance away in Humboldt Park is the Buffalo Museum of Science, whose programs are available to students. Across Elmwood Avenue from the College is Delaware Park, a large municipal recreation center with a lake, golf course, bridle path, tennis courts and baseball diamonds. One of the finest concert halls in the world, the Kleinhans Music Hall, and a nationally famous symphony orchestra, the Buffalo Philharmonic, serve those who enjoy fine music. Several nearby summer theatres, operated by professional and semi-professional groups, produce plays throughout the summer.

ADMISSION

The Undergraduate Summer Session is open to anyone qualified for teaching and to students who are attending Buffalo State or any other accredited college.

High school graduates who have not matriculated in any college are eligible for the Accelerated Program.

No formal application for admission to the Summer Session is required of students who have matriculated in a college. Registration constitutes admission. Undergraduate students of this college must have written permission from the Directors of their Divisions before they will be permitted to register. Students from other colleges are advised to have their proposed programs approved by their respective schools before registering, to avoid any difficulty in transferring credit.

Students wishing to apply for admission to the Graduate Division should notice the special requirements listed under that heading in this bulletin. Write to Dr. Robert E. Albright, Director of the Graduate Division, for application blanks or further information.

FEES

The State University of New York has authorized the collection of Summer Session fees, at a uniform rate, by all the Teachers Colleges of this state. The schedule for the fees of the 1955 Summer Session is as follows:

Tuition	
Undergraduate residents	\$10.00 a Semester Hour Credit
Undergraduate, out-of-state	\$12.50 a Semester Hour Credit
Graduate, all students	\$12.50 a Semester Hour Credit
College Fee	\$ 1.00 a credit hour, maximum \$6.00
Student Activity Tax	\$ 2.00 a student
Late Registration charge	\$ 1.00 a day to a maximum of \$3.00

All students enrolled in special programs (on-campus or off-campus) pay a College Fee of \$1.00 a credit hour. All students taking on-campus courses, regardless of their duration, pay the Student Activity Tax of \$2.00. Students enrolled in the eight-week Accelerated Program or in Elementary Education pay no tuition charges but must pay the College Fee and the Student Activity Tax.

Additional charges are levied against students taking some off-campus field courses, tours and camps, as indicated in the separate descriptions of these features.

Refunds will be made in full to students who withdraw during the first five scheduled days of the session. No refunds will be made after this period unless withdrawal is for entering military service.

All charges are subject to change without notice.

VETERANS

Veterans expecting to file for Summer Session benefits should complete all arrangements in Room 107, Administration Building before registration. Representatives of the Veterans Administration will be present.

FINANCIAL ARRANGEMENTS

College bills may be paid by check made payable to: State University College for Teachers, Buffalo. No checks will be cashed by the College,

but banks near the College have been cooperative with Summer Session students.

SCHEDULE

First Period	8:00- 9:20
Second Period	9:30-10:50
Third Period	11:00-12:20
Fourth Period	12:30- 1:50
Fifth Period	2:00- 3:20

Students must plan for a lunch period in making their programs. The Union Cafeteria will be open from 10:30-1:30.

Scheduled classes are excused for Convocations at times shown on inside front cover.

RESIDENCE HALLS

Rooms and food services for men and women students who desire them are provided in the Residence Halls of the College. Most rooms have accommodations for two persons at \$5.50 a week; a few single rooms are available at \$6.00 a week. Rooms are equipped with beds, desks, chairs, closets, and dressers. Students are expected to provide sheets, pillows and cases, blankets, and desk lamps.

Residence Halls are connected with the Student Union which is equipped with a lounge, music room, snack bar, dining room, game room, an Inter-Faith Chapel, and outdoor recreational area. The Union provides a recreational program for all Summer Session students, especially for those living in the Residence Halls.

Meals are served in the College Union Dining Room for \$10.00 a week (breakfast and dinner). Luncheons are available in the Union cafeteria. Snacks and desserts are available throughout the day and evening at the Snack Bar.

Reservations for rooms for men and women students are made through the Office of the Dean of Students. Requests for off-campus housing should also be addressed to that office. All student residences must be approved by the Dean of Students.

LIBRARY FACILITIES

Extensive library facilities are available to students of the Summer Session who find the book collection and current periodicals easily accessible from open shelves in the Edward H. Butler Library. The reserve book section facilitates assigned readings; another section maintains a wide selection of recreational reading materials and a record collection. Microfilm and micro-card readers are available to Summer Session students. Inter-library loan arrangements permit the borrowing of books from the New York State Library in Albany. Special facilities and consultation services are provided for the various workshops; separate book collections are reserved for the use of these groups.

Summer Session students may use the resources of the Laboratory of Instructional Material, consisting of story books, elementary school textbooks, pamphlets, slides, records, filmstrips, pictures, and costume dolls.

The Campus School Library in the Campus School contains a collection of books, magazines, recordings, and filmstrips especially selected for children. Students of the Summer Session may visit and study the library which reflects recognized trends in elementary school library organization and services.

The Erie County Library (including the Buffalo Public Library and the Grosvenor Library), the Library of the Albright Art Gallery, the Library of the Historical Museum, and the Library of the Museum of Science, supplement facilities available on the campus.

ACADEMIC INFORMATION

STANDARDS

The academic standards observed during the regular college year prevail in the Summer Session.

GRADES

The standard system used to evaluate student performance, described on page 42 of the 1955-56 general catalog, will be followed in the Summer Session.

The Registrar's office will furnish final grades by mail to the student's home address.

TRANSCRIPTS

Students who want copies of their academic record sent to another institution should arrange for this in the Registrar's office, Administration 102. No fee is charged for the first copy of a transcript.

CANCELLATIONS

The College reserves the right to cancel any course for which there is insufficient registration.

TEXTBOOKS

Textbooks and Supplies for Summer Session work may be purchased in the College Bookstore in the College Union.

CURRICULA

UNDERGRADUATE AND GRADUATE

Summer Session offers both undergraduate and graduate courses in nine curricula leading to the degrees of Master of Science and Bachelor of Science. The courses are designed for teachers-in-service and regular session students continuing their education during the summer.

1. **Elementary Education**, a program for those interested in teaching in the elementary schools of the state, nursery schools through grade seven inclusive.
2. **Early Childhood Education**, a program of Elementary Education developed specifically for the preparation of teachers of nursery, kindergarten, and primary grades.
3. **Elementary School Administration**, a program preparing elementary teachers for the position of elementary school principal.
4. **Elementary School Supervision**, a program preparing elementary teachers as supervisors in the various areas of the elementary school curriculum.
5. **Art Education**, a curriculum preparing supervisors and teachers of art in the elementary and secondary schools of the state.
6. **Education for Exceptional Children**, an extension of the Elementary Education program to certify teachers in five areas: orthopedically handicapped, hard of hearing; impaired vision, speech correction, and mentally retarded.
7. **Home Economics**, a curriculum preparing teachers of homemaking in the elementary and secondary schools of the state.
8. **Industrial Arts**, a curriculum preparing teachers of industrial arts in the elementary and secondary schools of the state.
9. **Early Secondary Education**, a program enabling students to teach academic subjects in grades seven, eight, and nine of the junior high school.

UNDERGRADUATE PROGRAM

Credit for undergraduate work completed in the Summer Session will be controlled by the following regulations:

1. Work completed in Summer Session will be equal to the content of the same courses offered during the regular session and carry the same credit.
2. The standard class load for Summer Session is six credit hours; students are advised against attempting more than this. A maximum of eight semester hours may be carried if approved by the Director of the Division. Courses carrying three semester hours of credit will meet eighty minutes daily; those carrying two semester hours of credit are conducted fifty minutes daily. Courses requiring laboratory, shop, or studio work have meetings in addition to this schedule. No partial credits are granted.
3. Graduation from the College will be withheld from a student who has not completed all required work for the Bachelor of Science degree. No one will be granted a degree who has not completed in-residence a minimum of four summer sessions of six semester hours each or one full semester's study. The final semester's work or final two summer's work before graduation must be in-residence. Residence work includes all classes taken on the College Campus.
4. Advanced undergraduate credit equivalent to one college year is extended to graduates of a high school curriculum (approved by the Commissioner of Education) who have completed one year in a Training Class and who have subsequently taught one year in the schools of New York State.
5. Students intending to matriculate for the Bachelor of Science degree at the College and expecting to transfer credits from other institutions should have official transcripts mailed to the Registrar of the College well in advance of the opening of Summer Session. This will permit students to be thoroughly advised concerning their programs.
6. Three-year Normal Course graduates planning work toward the Bachelor of Science degree must have their records evaluated by the Dean of the College. Requirements for this program have changed frequently in past years; evaluations must be made in agreement with prevailing degree requirements. There can be no general pattern of courses which could be indicated in advance. Students must get individual program recommendations from the Dean before proceeding with the fourth year of study. The College cannot recommend students for the degree who fail to do this and subsequently discover they have not met all course requirements.

Persons interested in matriculating for an undergraduate degree should communicate with Dr. Ralph Horn, Dean of the College. Requirements for the Bachelor's degree are detailed in the General Catalog.

GRADUATE PROGRAM

Graduate Curricula

Graduate courses lead to the Master of Science degree with majors in Art Education, Education for Exceptional Children, Elementary Education, Home Economics, and Industrial Arts.

Graduate work limited to Summer Session and Extension Classes

At present no graduate work is offered during the Regular Session. Graduate schedules will be planned so that requirements for the Master of Science degree may be completed by attendance at five Summer Sessions. This time may be shortened by registration in Extension Classes.

Admission Requirements

Applicants meeting the following requirements are eligible for admission to the Graduate Division.

A. The applicant holding an *approved* Bachelor's Degree and eligible to teach in the elementary field or in a field of specialization. (An *approved* Bachelor's Degree is one granted by):

1. A teachers college accredited by the American Association of Colleges for Teacher Education.
2. At teachers college, college, or university accredited by the appropriate regional accrediting agency.
3. A college accredited or approved by the state board of education or the state university in its state.
(Students possessing Bachelor's degrees not in this approved category may be admitted conditionally to graduate courses).

B. An applicant holding an elementary education certificate in another state. (Completion of Master's degree requirements does not guarantee New York State certification. The applicants should secure an evaluation of credits and a statement of prescribed work necessary for certification from the Certification Division, State Education Department at Albany, New York). As far as possible graduate work at the college will be planned to supplement any course inadequacies.

C. An applicant having demonstrated ability for graduate work as measured by:

1. Undergraduate scholastic average of 2.3 higher. (Exceptions granted in extenuating circumstances by the Director of the Graduate Division.
2. An acceptable teaching record (testified by a confidential statement from the administrator of the school wherein employed).
3. Recommendations concerning academic and personal qualifications from three persons in a position to make valid statements.

Admission Procedures

A. Complete admission blank available from Director of Graduate Division with data required.

B. Return blank before May 1, for registration in Summer Session, before September 1st for registration in first semester, and before January 1st for registration in second semester Extension program.

C. Provide official transcript from college which granted degree, (not necessary for graduates of this college).

Admission to Candidacy

Filing an application for admission to candidacy is the personal responsibility of each admitted student after he has completed a minimum of six hours. *He must apply for candidacy at the completion of twelve hours.*

Admission to candidacy depends upon:

A. A cumulative average of "B" or better in courses presented for graduate credit. No work of "D" grade will be accepted.

B. A recommendation from the adviser of the candidate, the Director of the division, or (in the case of Elementary Education students) the Director of the Graduate Division.

C. A comprehensive written examination may be required by the Graduate Council upon the recommendation of the student's adviser or Director of the division in which application is made.

Requirements for Master of Science Degree

A. The Master of Science degree requires the completion of thirty-two semester hours of graduate study.

B. Five Summer Sessions of six weeks shall be regarded as the usual period of attendance for the completion of the thirty-two hour requirement. This period of time may be shortened by attendance in Extension classes.

C. No graduate student who is a full time teacher will be permitted to carry an extension program in excess of *four credits* per semester or *eight credits* per college year. *This maximum of four hours per semester includes all work whether taken in afternoon, evening, or Saturday sessions at this college or elsewhere.* Registration above this maximum will result in loss of credit in excess of four semester hours. In the Summer Session, a graduate student may be permitted to carry a maximum of one hour of credit per week. For two weeks' work he may receive a maximum of two credits; for six weeks' work, six credits; for eight weeks' work, eight credits.

D. Credit will be withheld for courses completed in another college or university more than seven years prior to registration in the Graduate Division. A candidate shall satisfy all the prescribed requirements within six years from the date of admission.

E. The Graduate Division has established the following residence requirements applicable to all courses submitted as part of the graduate program. *Twelve semester hours* are the maximum non-residence courses that will be approved if the candidate is a graduate of *this College*. *Eight semester hours* of non-residence courses is the maximum that will be approved if he is a graduate of *another college*. In all cases, however, such graduate study must be similar in scope and content to courses offered by the teachers college, and must form a coherent part of the total program of preparation to be completed by the student. A course shall satisfy the requirements for residence when it is offered on the campus of the College,

or within the territorial limits of the village or city in which the College is located. A course offered at a camp operated by the College or at a branch established by the College may be accepted as a course-in-residence.

Special Students

Students not intending to apply for admission to candidacy may register for courses in the Graduate Division, limited to a total of 12 hours.

Registration Fees

Graduate Division fees are \$12.50 per credit hour.

GRADUATE CURRICULA

ART EDUCATION

Graduate Technical Courses:	12 Sem. Hrs. maximum
Art 501. Workshop in Art Education Materials, Processes, and Procedures	3 Sem. Hrs.
Art 503. Workshop in Using the Visual Language	3 Sem. Hrs.
Art 506. Seminar in Contemporary Art	2 Sem. Hrs.
Art 507. Graduate Studio in Drawing, Painting, Graphic Arts	2-6 Sem. Hrs.
Art 508. Graduate Studio in Design and Spatial Organization	2-6 Sem. Hrs.
Art 509. Graduate Studio in Crafts	2-6 Sem. Hrs.
Art 510. Graduate Studio in Photography	3 Sem. Hrs.
Art 512. Graduate Studio in Sculpture	3 Sem. Hrs.
Art 526. Special Study	2-4 Sem. Hrs.
*Ed. 575. Research Techniques (2 hrs.), Art 550 Project (4 hrs.) or Art 525 Masters' thesis (6 hrs.)	2-6 Sem. Hrs.
Graduate Courses in the Practical Arts for which the students are qualified	2-6 Sem. Hrs.
Graduate Courses in Related Fields:	10 Sem. Hrs. maximum
Art 502. Art Education Today	3 Sem. Hrs.
Art 504. Seminar in Art in Human Affairs	2 Sem. Hrs.
Art 505. Seminar in Art Education	3 Sem. Hrs.
Art 526. Special Study	2-4 Sem. Hrs.
*Ed. 575. Research Techniques (2 hrs.), Art 550 Project (4 hrs.) or Art 525 Master's thesis (6 hrs.)	2-6 Sem. Hrs.
Graduate Courses in Psychology and Education	2-6 Sem. Hrs.
General Education Graduate Electives:	10 Sem. Hrs. minimum
Graduate courses in the Fields of Music, English, Social Studies, Science and Mathematics, by advisement.	
Total requirements: 32 semester hours.	

* Required courses. Each candidate, after conference with his adviser, may select one of the following requirements: (1) Ed. 575, a course in research techniques and interpretations of research materials, 2 hours credit; (2) Art 550, a project in the field of Art Education, 4 hours credit; or (3) Art 525, a Master's thesis, 6 hours credit.

ELEMENTARY EDUCATION

Elementary Teaching:	
Workshop in Elementary Education	6 Sem. Hrs.
Seminar in Elementary Education	3 Sem. Hrs.
English and/or Social Studies	6 Sem. Hrs.
Academic Electives	6 Sem. Hrs.
*Research course, project, or Master's thesis	2-6 Sem. Hrs.
Unrestricted electives. (Maximum of 16 hours in education courses, including research course, project, or thesis.)	5-9 Sem. Hrs.

Total 32

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Elementary Principalship or Supervision Certification:

Experienced teachers desiring to qualify for the elementary school principal's provisional certificate should complete the bachelor's degree and four to six semester hours in El. Ed. 503 and 504. Candidates for the permanent certificate must complete the bachelor's degree and thirty hours in approved graduate courses including, in addition to El. Ed. 503 and 504, four to six hours in El. Ed. 507 and 520.

Experienced teachers desiring to qualify for the elementary school supervisor's provisional certificate should complete the bachelor's degree and six semester hours in El. Ed. 530 and 531. Candidates for the permanent certificate must complete an additional twenty-four semester hours in approved graduate courses.

Workshop in Elementary Education	6 Sem. Hrs.
Elementary Administration	3 Sem. Hrs.
Supervision	3 Sem. Hrs.
English and/or Social Studies	6 Sem. Hrs.
Academic Electives	2-4 Sem. Hrs.
*Research course, project, or Master's thesis	2-6 Sem. Hrs.
Unrestricted electives	4-10 Sem. Hrs.

Total credit requirements: 32 semester hours. 32

* Each candidate, after conference with his adviser, may select one of the following requirements: (1) a course in research techniques and interpretation of research materials, 2 hours credit; (2) a project in the field of Elementary Education, 4 hours credit; or (3) a Master's thesis, 6 hours credit.

EDUCATION FOR EXCEPTIONAL CHILDREN

Education of Mentally Retarded Children:

Ed.Ex. 501	Workshop in Education of Mentally Retarded Children	6 Sem. Hrs.
Ed.Ex. 511.	Seminar in Education of Mentally Retarded Children	2 Sem. Hrs.
Ed.Ex. 521.	Guidance of Mentally Retarded Children	2 Sem. Hrs.
*Ed.Ex. 541.	Psychology of Exceptional Children	2 Sem. Hrs.
Ed. 575.	Research Techniques (2 hrs.), Ed.Ex. 525 550 Project (4 hrs.) or Ed.Ex. 525 Master's thesis (6 hrs.)	2-6 Sem. Hrs.
	English and/or Social Studies as required by Graduate Division	6 Sem. Hrs.
	Academic elective as prescribed by the Graduate Division	6 Sem. Hrs.
	Unrestricted electives	2-6 Sem. Hrs.

Education of Orthopedically Handicapped Children:

Ed.Ex. 502.	Workshop in Education of Orthopedically Handicapped Children	6 Sem. Hrs.
Ed.Ex. 512.	Seminar in Education of Orthopedically Handicapped Children	2 Sem. Hrs.
Ed.Ex. 522.	Guidance of the Orthopedically Handicapped	2 Sem. Hrs.
*Ed.Ex. 541.	Psychology of Exceptional Children	2 Sem. Hrs.
Ed. 575.	Research Techniques (2 hrs.), Ed.Ex. 525 550 Project (4 hrs.), or Ed.Ex. 525 Master's thesis (6 hrs.)	2-6 Sem. Hrs.
	English and/or Social Studies as required by Graduate Division	6 Sem. Hrs.
	Academic electives as prescribed by the Graduate Division	6 Sem. Hrs.
	Unrestricted electives	2-6 Sem. Hrs.

Education in Speech Correction:

Ed.Ex. 503.	Clinical Procedures in Speech Correction	3 Sem. Hrs.
Ed.Ex. 513.	Seminar in Speech Science	3 Sem. Hrs.
Ed.Ex. 524.	Introduction to Audiology	2 Sem. Hrs.
Ed.Ex. 533.	Seminar in Speech Pathology	2 Sem. Hrs.
Ed.Ex. 535.	Mental Measurement	2 Sem. Hrs.

*Ed.Ex. 541.	Psychology of Exceptional Children	2 Sem. Hrs.
Ed. 575.	Research Techniques (2 hrs.), Ed.Ex. 525 550 Project (4 hrs.), or Ed.Ex. 525 Master's thesis (6 hrs.)	2-6 Sem. Hrs.
	English and/or Social Studies as required by Graduate Division	6 Sem. Hrs.
	Academic electives as prescribed by the Graduate Division	6 Sem. Hrs.
	Free electives	2-4 Sem. Hrs.

* Note: Ed.Ex. 541—This course is required for certification to teach exceptional children. Students who have received certification prior to entrance upon graduate study, will be excused.

†Education of Hard of Hearing Children.

†Education of Partially-sighted Children.

† If interested in Graduate work in the fields of Hard of Hearing Children and Partially-sighted Children, write to Director of the Division of Education of Exceptional Children, State University College for Teachers, Buffalo 22, N. Y., for further information.

HOME ECONOMICS EDUCATION

1. Advanced Technical Courses	12 Hours maximum
Family Life (including Home Management, etc.)	2-6 Sem. Hrs.
Foods and Nutrition and/or Clothing and Textiles	2-6 Sem. Hrs.
2. Advanced Courses Dealing with Problems of Home Economics Education	10 Hours maximum
Seminar in Home Economics Ed. required	3 Sem. Hrs.
Workshop in Home Economic Ed.	3-6 Sem. Hrs.
or	
Electives by Advisement	2-6 Sem. Hrs.

3. Advanced Courses in General Areas	10 Hours minimum
Social Studies	2 Sem. Hrs.
Science and/or Art	2-4 Sem. Hrs.
Unrestricted elective	4-6 Sem. Hrs.

Each candidate, after conference with her adviser, may select one of the following requirements: (1) A course in research techniques and interpretation of research materials, 2 hours credit; (2) a project in the field of Home Economics, 4 hours credit; or (3) a Master's thesis, 6 hours credit. Credit may be applied entirely to Group 1. or Group 2. or may be divided between them, depending upon the nature of the work done.

Total requirements: 32 semester hours.

INDUSTRIAL ARTS EDUCATION

Advanced Technical Courses	12 Hours maximum
a. Specialization in Shop Laboratory	2-4 Sem. Hrs.
b. Workshop in Industrial Arts Education	2-4 Sem. Hrs.
c. Seminar in Industrial Arts Education	2-4 Sem. Hrs.
d. Field Studies in Industrial Areas	3-6 Sem. Hrs.

Advanced Courses Dealing with Problems Related to Industrial Arts	10 Hours maximum
*a. Research techniques, project, or Master's thesis	2-6 Sem. Hrs.
b. Workshop in Industrial Arts Education	2-4 Sem. Hrs.
c. Contemporary Labor Problems and Legislation	2-4 Sem. Hrs.
d. Occupational Activities for the Handicapped	2-6 Sem. Hrs.
e. Electives by advisement (in substitution for b, c, and d)	2-6 Sem. Hrs.

Advanced Courses in the General Areas	10 Hours minimum
a. English	2-4 Sem. Hrs.
b. Social Studies	2-4 Sem. Hrs.
c. Mathematics and/or Science	3-6 Sem. Hrs.
d. Unrestricted electives	3-6 Sem. Hrs.

Total requirements: 32 semester hours.

* Each candidate, after conference with his adviser, may select one of the following requirements: (1) A course in research techniques and interpretation of research materials, 2 hours credit; (2) a project in the field of Industrial Arts Education, 4 hours credit; or (3) a Master's thesis, 6 hours credit.

INTENSIVE TEACHER TRAINING PROGRAM

Elementary Teaching Certification for Liberal Arts College Graduates:

To help relieve the extreme shortage of elementary teachers the college offers an intensive training program through which graduates of other colleges may prepare for elementary school teaching. The completion of a minimum of thirty semester hours, on the graduate level, twenty-four hours of which shall be in education courses approved for elementary school teaching, and evidence of satisfactory teaching, as determined by an approved evaluation program, will entitle the student to a permanent certificate to teach in the elementary grades.

To enter this program college graduates register in the Graduate Division for certain specified Summer Session or Extension courses. Completion of prescribed courses in a Summer Session will entitle the college graduate to a renewable certificate valid for one year. Additional renewals will be granted upon evidence of continued Summer Session study and satisfactory teaching.

For students wishing to complete the requirements for the Master of Science degree, six hours of graduate study, elected under the guidance of the Graduate Division of the College, will be required *in addition to the twenty-six hours of required courses in Elementary Education. Regulations relating to admission to candidacy must be followed.* All college graduates interested in this program for certification in elementary school teaching, should secure application blanks and complete instructions for registration as soon as possible.

1. Intermediate and Upper Grade Group

Workshop in Elementary Education (Summer Session only)	8 Sem. Hrs.
Seminar in Elementary School Problems (Emphasis on Science, Mathematics and Language Arts)	3 Sem. Hrs.
Music and Art in Elementary Education	3 Sem. Hrs.
Workshop in Child Development (Summer Session Only)	6 Sem. Hrs.
Problems in Elementary School Curriculum	3 Sem. Hrs.
Seminar in Elementary Education	3 Sem. Hrs.
Electives	4 Sem. Hrs.
	30

2. Kindergarten-Primary Group

Workshop in Elementary Education (Summer Session only)	8 Sem. Hrs.
Kindergarten Education	3 Sem. Hrs.
Psychology of the Pre-School Child	3 Sem. Hrs.
Seminar in Elementary School Problems (Emphasis on Language Arts, Science, Mathematics)	3 Sem. Hrs.
Music and Art in Elementary Education	3 Sem. Hrs.
Workshop in Child Development (Summer Session only)	6 Sem. Hrs.
Electives	4 Sem. Hrs.
	30

COURSE DESCRIPTIONS

ART EDUCATION

Undergraduate

Art 400s. Workshop in Crafts I. Various crafts: leather work, metal work, ceramics and jewelry; class and individual instruction and election of creative projects. Three credits. *Bolinsky.* 12:30-1:50 daily

Art 408s. Painting I. *Busa.* (See course description under Art 507s.)

Art 456s. Contemporary Art. *Busa.* (See course description under Art 506s.)

Graduate

Art 505s. Seminar in Art Education. Problems and projects in teaching and supervising art in various types of communities and schools; contemporary philosophy, psychology, principles, and practices in art and general education; research and scientific methods in determining programs, policies, and procedures for the art teacher and supervisor. Required of all Art Education majors. Prerequisite: one or more years of teaching. Three credits. *Lofgren.* 8:00-9:20 daily

Art 506s. Seminar in History of Art. Contemporary Movements in Art. Trends in the arts of painting, sculpture, graphic arts, architecture, industrial art, commercial art, and crafts, related to developments in music, drama, and literature; lectures, readings, experiments and demonstrations; visits to galleries, studios, and plays. Three credits. *Busa.* 2:00-3:20 daily

Art 507s. Graduate Studio in Drawing, Painting, Graphic Arts. Activities in a variety of graphic media determined for the individual according to his background and needs; studio and outdoor problems, field and gallery trips. Two or three credits. *Busa.* 11:00-12:20 daily (2 additional hours arranged)

Art 508s. Graduate Studio in Design and Spatial Organization. Individualized work in designing with paint and materials; specialization may be in commercial designing of textiles, wall paper, etc.; layout for publications; home planning and furnishing; costume, stage design, industrial design, or other functional or decorative art. Two or three credits. *Bolinsky.* 9:30-10:50 daily (2 additional hours arranged)

Art 509s. Graduate Studio in Crafts. Individualized work in textiles, jewelry, leather, woodcarving, sculpture, plastics, pottery and metal. Two or three credits. *Bolinsky.* 12:30-1:50 daily (2 additional hours arranged)

Art 511s. Art in the Elementary Curriculum. The use of art materials, processes, and procedures in the elementary school; developing creative and expressive activities of children. Three credits. *Lofgren.* 9:30-10:50 daily

Art 520s. Art Camp. A two-week Post-Summer Session camp; intensive creative activity in casein, oil and watercolor painting; photography; mobile, plaster, stone, wire and wood sculptures; sketching; or contemporary art study; or a combination of the above. Enrollment limited to fifteen students. Open to undergraduate, graduate, special-non-credit students, and recent high school graduates. Two credits. *Dakin.* (August 14-26.)

EDUCATION

Undergraduate

Ed. 102s. Child Development. Principles underlying guidance and adjustment of children to life situations; emotional, mental, personal and social development of normal children; causes of deviation from normal behavior; remedial programs to overcome maladjustments; observations in the Campus School. Prerequisite: Ed. 101 or equivalent. Three credits. *Martorana.* 11:00-12:20 daily

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El. Ed. 307s. Psychology of the Pre-School Child. *Jamison*. (See course description under El. Ed. 522s.)

El. Ed. 308s. Seminar in Early Childhood Education. *Jamison*. (See course description under El. Ed. 515s.)

El. Ed. 402s. Seminar in Elementary School Teaching. Science and philosophy in elementary school teaching; special problems of the classroom teacher in the State of New York; scientific methods of research in solving educational problems. Required of all Elementary Education seniors. Prerequisites: Ed. 101-102, 201-202, 301-302, 401. For early childhood education the prerequisites are: Ed. 101-102, 201, 202C, 301C, 302C, 401C. Three credits. *Gambert*. 12:30-1:50 daily

Ed. 461s. Safety Education. *Meyer*. (See course description under Ed. 566s.)

Ed. 463s. Driver Education. *Meyer*. (See course description under Ed. 567s.)

Ed. 465s. Audio-Visual Education. Basic audio-visual knowledges and skills for effective teaching; use of equipment; films and other materials; orientation; coordinating the audio-visual program in the school; teacher and pupil produced materials; photography. Three credits. *Steffan*. 8:00-9:20 daily

El. Ed. 485s. Reading Clinic. *Dunklin*. (See course description under El. Ed. 585s.)

El. Ed. 486s. Methods and Materials in the Elementary School. *Lange*. (See course description under El. Ed. 516s.)

El. Ed. 487s. Teaching the Language Arts in the Elementary School. *Lange*. (See course description under El. Ed. 517s.) August 15-26

Ed. 489s. International Education. *Neubardt*. (See course description under Ed. 540s.)

Graduate

El. Ed. 500s. Workshop in Elementary Education. Work on individual problems encountered in actual practice; individual counselling on projects; general seminar and wide use of the Campus School. Required of all students registered for the degree of Master of Science. Enrollment limited. Six credits. *Bradley, Crayton, O'Brien*. 8:30-3:30 daily

El. Ed. 500As. Workshop in Elementary Education. (For Intensive Teacher Training Program Students only.) Emphasizes child development, elementary school methods and materials; includes preparation of an individual report; experience with children in the Campus School. Required of all students in the Intensive Training Program. Six weeks. Eight credits. *Sugarman, Breckon, Duly, Conant, Farmer, Kelly*. 8:00-3:00 daily

El. Ed. 501s. Seminar in Elementary Education. Scientific aspects of educational research; study of special problems by individual students from their own teaching experiences. Required of students registered for the degree of Master of Science. Three credits. *Crayton*. 8:00-9:20 daily

El. Ed. 503s. Organization of the Elementary School. Major concepts in Elementary Education; administration of the elementary school; the curriculum; grouping of pupils; the school plant; trends in school building design; co-curricular activities; pupil safety measures. May precede or follow El. Ed. 504. Open to experienced teachers, principals, and supervisors. Elective. Three credits. *Milanovich*. 9:30-10:50 daily

El. Ed. 505s. Evaluation Techniques in the Elementary School. Evaluation Techniques in the Elementary School. Guiding principals in evaluating the educational growth of pupils and in studying educational problems; constructing and using informal, objective, and essay-type tests; evaluation in terms of instructional objectives; selecting, administering and scoring appropriate measuring instruments; evaluating and diagnosing mental abilities, educational achievements and personality

characteristics of pupils; handling and interpreting data; organizing remedial programs. Elective. Open to graduate and undergraduate students. Three credits. *Gambert*. 11:00-12:20 daily

Ed. 506s. Philosophy of Education. Principles underlying educational practices; changing concepts of education; education in a democratic society; teaching procedures as determined by a democratic concept of education. Three credits. *Sloan*. 8:00-9:20 daily

El. Ed. 512s. Seminar in Child Development. (For Intensive Teacher Training Program students who have taken El. Ed. 500A.) Study of growth and development of elementary school children; understanding and guiding child growth in the mental, social, physical and emotional areas; individual and group work on specialized problems; field trips and observations in classrooms. Six credits. *Penn*. 8:00-12:00 daily

El. Ed. 515s. Seminar in Early Childhood Education. Current trends affecting the curriculum for children from three to eight years of age; materials, organization, techniques and significant procedures with attention to child-parent-community relationships. Open to graduate and undergraduate students. Three credits. *Jamison*. 9:30-10:50 daily

El. Ed. 516s. Methods and Material in the Elementary School. Recent trends in the elementary school curriculum; detailed studies of language arts; social studies, numbers, science, and evaluation. Open to graduate and undergraduate students. Three credits. *Lange*. 2:00-3:20 daily

El. Ed. 517s. Teaching the Language Arts in the Elementary School. Recent research in the area of language art: spelling, written communication, oral communication, reading, creative writing, listening skills; implications of research for creating learning experiences for children in the language arts; developing a language arts program. Open to graduate students and experienced undergraduate teachers. Elective. Two credits. *Lange*. August 15-26. 8:30-11:00 daily

El. Ed. 522s. Psychology of the Pre-School Child. Important phases of development from infancy through the pre-school and early school years; consideration of the motor, language, social, emotional and intellectual development of the growing child in relation to his physical, social and cultural environment; observation of children. Three credits. *Jamison*. 11:00-12:20 daily

El. Ed. 523s. Principles and Practices of Guidance. A basic course designed for teachers, guidance directors and counselors; basic guidance services and techniques. Three credits. *Sloan*. 11:00-12:20 daily

El. Ed. 525s. Thesis. Individual investigation of an original problem undertaken with prior approval of the student's advisor, chairman of the department and Director of the Elementary Education Division, submitted in typewritten form according to the directions given by the Graduate Division; may be elected as part of requirement for Master of Science degree. Six credits.

Ed. 529s. Advanced Adolescent Psychology. Social, emotional, mental, physical, and personality development of adolescents; relationship of behavior to pre-adolescent and post-adolescent development; educational adjustments and vocational interests; guidance program in junior high school. Required of all 1955 Summer Session students who are preparing for early-secondary teaching. Prerequisite: six semester hours in Child Development or its equivalent and the Baccalaureate Degree. Three credits. *Martorana*. 12:30-1:50 daily

El. Ed. 531s. Supervision of Teaching. Principles of supervision; classroom observation; evaluating teachers and teaching; choice of subject matter and teaching procedures; teacher-pupil-relationships; group and individual conferences; induction of new teachers; inter-visitation and demonstration teaching; teachers' meetings; bulletins; workshops; evaluation of program. Open to experienced teachers, principals and supervisors. Three credits. *Milanovich*. 8:00-9:20 daily

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Ed. 532s. **Seminar in Early Secondary School Teaching.** Organization and functions of early secondary education; curriculum planning; guidance and exploratory programs; articulation between elementary and senior high school; extra curricular activities; provision for directed study; research methods. Required of all 1955 Summer Session students who are preparing for early-secondary teaching. Prerequisite: baccalaureate degree. Three credits. *Carroll.* 8:00-9:20 daily

Ed. 533s. **Workshop in Audio-Visual Education.** Audio-visual teaching methods; basic skills and knowledges in use of equipment; films, filmstrips, slides and other materials available; sources of materials and equipment; audio-visual programs in the schools; housing; ordering of materials; budgets, administration, evaluation; and film libraries. Three credits. *Smay.* 9:30-10:50 daily

Ed. 540s. **International Seminar in Education.** Scheduled trips to International Educational Organizations, Swiss schools and camps; week-end excursions; individual research projects; participation at annual International Education Conference at the Palace Wilson and International School at Geneva. Open to graduate and advanced undergraduate students. Two to six credits. *Neuhardt.*

El. Ed. 550s. **Project.** Study of educational problems closely related to fields of individual interest, approved by the student's advisor, the chairman of the department and Director of the Elementary Education Division. One copy of report must be submitted in acceptable form for filing in the College Library (not necessarily bound). Four credits.

Ed. 566s. **Safety Education.** A study of the areas responsible for most accidents in the home, the school, the shop, the playground and the community; water, traffic, fire, and recreational safety; teaching safety in the elementary and secondary schools; integration and correlation of safety education in the school curriculum. Open to graduate and undergraduate students. Three credits. *Meyer.* 11:00-12:20 daily

Ed. 567s. **Driver Education.** Meets certifying requirements for teaching Driver Education in New York; behind-the-wheel training, psychophysical testing equipment; motor vehicle laws, traffic engineering, insurance, accident statistics, accident prevention, automobile maintenance, administering high school driver education course. Students admitted must have met, or intend to meet, certifying requirements to teach on the secondary school level; they also must have had a valid driver's license for at least 60 days. Open to graduate and undergraduate students; graduate credit students will participate in a special project. Four class hours and six driving hours a week. Special fee—\$4.00. Three credits. *Meyer.* 2:00-2:40 daily (Additional hours arranged)

Ed. 575s. **Research Methods and Techniques.** Methods and types of research in studying educational problems; research literature on problems for study; bibliographical resources pertinent to a problem; collecting, handling, and interpreting evidence; tables, graphs and charts, statistical terminology. Required of all graduate students not writing a project or a thesis. Three credits. *Hertzberg.* Section A 9:30-10:50 daily Section B 12:30- 1:50 daily

El. Ed. 585s. **Reading Clinic.** Effective teaching procedures to achieve competence in comprehension, facility, word recognition, and spelling, identification of reading needs; remedial instruction for specific problems and maladjustments related to reading disability. Open to graduate and undergraduate students. Elective. Six credits. *Dunklin.* 9:00-1:00 daily

El. Ed. 590s. **The Preparation of Laboratory School Teachers.** Practical experiences, discussions, lectures, readings and a prepared report; experience in teaching in the Campus School, conducting conferences with students, directing the instructional planning of novice teachers, relating student teaching to other college experiences; practical experiences secured as assistant to one or more laboratory school teachers. Students with credit for El. Ed. 508 may not register for this course. Elective. Six credits. *MacVittie.* 9:00-1:00 daily

EDUCATION FOR EXCEPTIONAL CHILDREN

Undergraduate

All graduate courses offered in this division are open to undergraduate students of advanced standing who are working toward certification in this area.

Graduate

Ed. Ex. 503s. **Clinical Procedures in Speech Correction.** An advanced practicum, work under supervision with severally speech-handicapped children. Prerequisite Ed. Ex. 204, 305, 306 and 308 or equivalent. Four credits. *Gallagher.* 12:30-2:30 daily

Ed. Ex. 511s. **Seminar in Education of Children with Retarded Mental Development.** Class organization, grouping and curriculum; educational psychology for the retarded; psychological tests and their interpretation. Three credits. *Mann.* 8:00-9:20 daily

Ed. Ex. 520s. **Speech Correction for Elementary School Teachers.** Types and causes of speech defects and disorders found in elementary school children; methods of treatment of minor disorders by the classroom teacher; some phonetics and speech science; observation of children presenting various speech problems. Two credits. *Gallagher.* 11:00-11:50 daily

Ed. Ex. 535s. **Mental Measurements.** See El. Ed. 505s. *Gambert.* 11:00-12:20 daily

Ed. Ex. 541s. **Seminar in the Psychology of Exceptional Children.** The incidence, definition, etiology, and characteristics of atypical children including the gifted, the mentally handicapped, the neurologically impaired, the orthopedically handicapped, the lowered vitality, cardiopathic and chronic medical cases, the emotionally disturbed and socially maladjusted, the speech impaired, the deaf and hard of hearing, the blind and partially sighted. Present practices in education, problems in adjustment and employment, legislation, community resources for habilitation and public relations. Two credits. *Mann.* 9:30-10:20 daily

ENGLISH

Undergraduate

Eng. 204s. **English Literature.** English prose and poetry from the beginning through the Victorian period. Required of Elementary Education sophomores and Home Economics seniors, elective for others. Three credits. *Gragg.* 8:00-9:20 daily

Eng. 210s. **Children's Literature.** *Lange.* (See course description under Eng. 514s.) 12:30-1:50 daily

Eng. 304s. **American Literature.** Survey of American literature; major authors and literary developments of the 19th Century; the Romanticists: Irving, Bryant, Poe, Emerson, Thoreau, Hawthorne, Whitman; the Realists: Howells, Clemens, Harte, Dickinson. Required of Elementary Education and Industrial Arts juniors. Elective for others. Three credits. *Fried.* 9:30-10:50 daily

Eng. 402s. **Contemporary Literature.** British and American Literature of the twentieth century, with emphasis on poetry and fiction. Required of Elementary Education seniors; elective for others. Three credits. *Schuck.* 11:00-12:20 daily

Eng. 420s. **Oral Interpretation of Literature.** Oral reading of prose, poetry, and drama; selection and arrangement of material for formal and informal audiences. Elective for sophomores, juniors, and seniors. Three credits. *Trueblood.* 2:00-3:20 daily

Graduate

Eng. 501s. **The Modern American Novel.** Outstanding American twentieth century novels; their social and artistic significance. Three credits. *Fried.* 11:00-12:20 daily

Eng. 511As. **Studies in the Poetry of the Victorian Period.** Major Victorian poets with emphasis on Tennyson and Browning; social, political, and intellectual background of the times. Three credits. *Gragg.* 9:30-10:50 daily

Eng. 514s. **Children's Literature.** Types of children's literature; criteria of book selection; reading interests of children; preparation of bibliography. Three credits. *Lange.* 12:30-1:50 daily

GEOGRAPHY

Undergraduate

Geog. 402s. **Economic Geography.** Emphasis on the agricultural, industrial and commercial aspects of geography; selected topics related to current affairs; special attention to industries of the Niagara Frontier. Required of Elementary Education seniors. Elective for others. Prerequisite: Geography 301. Three credits. *Whittemore.* 8:00-9:20 daily

Graduate

Geog. 500s. **Geography of Eastern Asia.** China, Japan, Korea, eastern U.S.S.R., the Indo-China Peninsula, and the East Indies: physical characteristics; economic, social and political conditions. Three credits. *Whittemore.* 11:00-12:20 daily

HEALTH EDUCATION

Undergraduate

H. Ed. 315s. **Elementary School Health Problems.** Health needs of the growing child; home, school and community health needs; planning for health education in the schools and classroom; prevention of serious health problems. Open to juniors and seniors in Elementary Education and to others with permission of instructor. Two credits. *Coyer.* 12:30-1:50 daily

H. Ed. 402s. **Health Protection.** School and community health problems; school health service; communicable disease control; water supply and sewage disposal; food sanitation; safety education. Required for Elementary Education seniors; others admitted with permission of instructor. Prerequisites: Health Education 201-2. Two credits. *Coyer.* 2:00-3:20 daily

HOME ECONOMICS

Graduate

H. Ec. 510s. **Practical Problems of Housing and Home Furnishing.** Problems related to housing and home furnishings; planning and constructing furnishings; field trips. Three credits. *Roudebush.* 8:00-9:20 daily

H. Ec. 516s. **Family Clothing.** Purchase, selection, care and construction of clothing for the family; management of time and money related to clothing problems; trips, speakers, discussions, demonstrations; problems selected on the basis of individual need. Three credits. *Roudebush.* 9:30-10:50 daily

INDUSTRIAL ARTS

Undergraduate

I. A. 101s. **Electricity.** Basic electrical and electronic principles; generation, transmission, and use of electric power; electro-chemistry; transportation and communication; operation, service, and repair of electrical devices and appliances; experimental circuit work and construction of projects suitable for the junior-senior high school. Required of Industrial Arts sophomores. Eight-weeks session. Five credits. *Cook.* 8:00-11:00; 12:00-2:00 daily

I. A. 201s. **Transportation.** Common means of transportation; the bicycle, motorcycle, automobile, airplane, railroad, and ship; projects involving construction, planning, designing, trouble-hunting, periodic adjustment, maintenance; teaching methods and techniques. Required of all Industrial Arts students. Eight-weeks session. Five credits. *Palmeter.* 8:00-11:00; 12:00-2:00 daily

I. A. 202s. **Metalwork.** Fundamentals of foundry work, sheet metal, art metal, oxy-acetylene welding, brazing, silver soldering, forging, and heat treatment; machine-tool operation on lathes, milling machines, shaper, band saw, surface grinder, and necessary bench work; related lessons in metalwork. Required of Industrial Arts freshmen. Eight-weeks session. Five credits. *Fontana.* 8:00-11:00; 12:00-2:00 daily

I. A. 303s. **Industrial Arts for the Elementary School.** Hand-tool processes in woodworking, metalwork, textiles, ceramics, leather, and handcrafts. Group and individual projects. Required of Elementary Education juniors and seniors. Eight-weeks session. Three credits. *Harlan, Russell.*

I. A. 404s. **Advanced Electricity.** Advanced study of general electricity with emphasis on alternating current theory; electronic test equipment; service, repair and construction of complex A.C. devices and projects; service, repair and construction of radio receivers and electronic equipment. Elective for Industrial Arts students. Prerequisite: I. A. 101s. Eight-weeks session. Three to five credits. *Cook.* Time to be arranged

I. A. 405s. **Advanced Metalwork.** Advanced study of metal working processes; fine tool and instrument making; heat treatment; jewelry making; repoussé; operation of universal grinder, surface grinder, helical milling gear cutter; internal threading and boring; layout and inspection techniques; individual student problems. Elective for Industrial Arts students. Eight-weeks session. Three to five credits. *Fontana.* Time to be arranged

I. A. 406s. **Ceramics.** Materials, processes and products of the ceramic field, clay preparation, mold making, slip casting, throwing and turning, tile making, decorating and glazing, firing. Required of Industrial Arts students; elective for students of other divisions. Eight-weeks session. Three credits. *Steinzor.* Time to be arranged

I. A. 407s. **Textiles.** Fibers, processes and products of the textile industry; weaving; dyeing; surface treatment and finishing of fabrics. Required of Industrial Arts students; elective for students of other divisions. Eight-weeks session. Two credits. *Steinzor.* 12:00-2:00 daily

I. A. 408s. **Advanced Ceramics.** Study in selected areas; hand building; performance on the potter's wheel; mass production methods; decoration; body and glaze composition; kilns and firing. Elective for all students. Prerequisite: I. A. 406s. Eight-weeks session. Three to five credits. *Steinzor.* Time to be arranged.

Graduate

I. A. 506s. **Supervision of Industrial Arts.** Problems and techniques concerning administration and supervision of elementary, secondary and adult programs in Industrial Arts Education at the federal, state, and local levels. Six-weeks session. Three credits. *Brown.* 12:30-1:50 daily

I. A. 512s. **Workshop in Textiles.** Organization and operation of an Industrial Arts textile unit; study of fibers and materials; techniques of fabric construction; dyeing; surface finishing and treatment; color and pattern harmonies. Six-weeks session. Three credits. *Steinzor.* 12:00-2:00 daily

I. A. 513s. **Workshop in Ceramics.** The Industrial Arts ceramics program; basic forming techniques; advanced processes of production in throwing and casting; decoration; firing and kiln construction; body and glaze composition; design of ceramic products. Six-weeks session. Three credits. *Steinzor.* 12:00-2:00 daily

I. A. 515s. **Transportation Laboratory.** Specialized areas of transportation; planning, organization and techniques of operation; projects and problems; evaluation; models, mock-ups and other visual aids. Six-weeks session. Three credits. *Palmeier.* 8:00-11:00 daily

I. A. 521s. **New Methods and Techniques in Metalworking.** New materials and their possibilities for industrial arts activities; modern industrial processes in metalworking; implications for the teaching of Industrial Arts. Three credits. Six-weeks session. *Fontana.* 8:00-11:00 daily

I. A. 524s. **Evaluation in Industrial Arts.** General principles of evaluation; construction and use of various informal devices and techniques of evaluation applicable to industrial arts; selection and use of appropriate standardized instruments of evaluation; observation, rating scales, anecdotal records, personnel systems, and the industrial arts project; interpreting, recording and using the results of evaluation for the improvement of instruction in industrial arts. Three credits. Six-weeks session. *Harlan.* 11:00-12:20 daily

MATHEMATICS

Graduate

Math. 500s. **Mathematics in the Elementary Curriculum.** Development of number; rationale of processes; relationships; generalizations; meaning and significance of number and processes; mathematics as a language; measurement; problem solving; visual aids; professional literature; analyses and reports of readings; individual research and project. Three credits. *Ebert.* 8:00-9:20 daily

Math. 501s. **Workshop in Mathematics.** Selected topics in the field of elementary mathematics; analysis of research; individual study of a problem and written report of findings; committee study and reports on problems. Two credits. *Rodney.* August 1-12. 8:00-9:20; 9:30-10:50 daily

MUSIC

Undergraduate

Mus. 304s. **Music for Children I.** *Boyd.* (See course description under Mus. 500s.)

Graduate

Mus. 500s. **Music in Education.** Materials and practices in present day public school music; works of the various composers throughout history contributing to public school music; required readings; listening to records; required attendance at certain concerts; observation in the Campus School. Three credits. *Boyd.* 12:30-1:50 daily

SCIENCE

Undergraduate

Sci. 310s. **Science in the Elementary Curriculum.** *Urban.* (See course description under Sci. 500s.)

Sci. 325s. **Science in Outdoor Living.** Direct experiences applying scientific principles to learning, living, and survival in the out-of-doors; camping knowledges and skills as they contribute to study and appreciation of natural habitats and resources. Elective for juniors and seniors. Prerequisites: Sci. 101s, 201-202s. Three credits. *Eckert.* 2:00-3:20 daily

Sci. 401s. **Genetics.** Principles of heredity; inheritance of specific plant, animal and human traits. Elective for juniors and seniors. Prerequisite: Sci. 201-202, or its equivalent. Three credits. 12:30-1:50 daily

Sci. 410s. **Field Studies in Science I.** *Eckert.* (See course description under Sci. 501s.)

Sci. 425s. **Science Camp.** *Urban.* (See course description under Sci. 504s.) August 14-26.

Graduate

Sci. 500s. **Science in the Elementary Curriculum.** Background purposes and present scope of science in the elementary schools; professional review of subject matter. Three credits. *Urban.* 11:00-12:20 daily (2 additional hours arranged)

Sci. 501s. **Field Studies in Science I.** Biological and geological field work; selected field studies, both group and individual; intensive studies of one or more areas. Elective for seniors with an average of C in science completed to date and to graduates with six hours of undergraduate science. Three credits. *Eckert.* 8:00-9:20 daily

Sci. 503s. **Ecology.** Scientific nature study, including consideration of the relationships between living things and their physical environments; biological relationships between and within species; man's relationship with the natural environment. Lectures, discussions, readings. Three credits. *Urban.* 9:30-10:50 daily

Sci. 504s. **Science Camp.** Field work at Allegany State Park; out-of-doors science for the elementary school teacher; identification of wild flowers, trees, birds, insects, and other living things; relationships between living things and their environment; geology of the Park and western New York. Open to graduate students and to undergraduates who have credit for six hours of general biology and three hours of physical science or the equivalent. Offered during the two weeks following the regular Summer Session. Two credits. *Urban, Eckert, Skinner.* August 14-26.

Sci. 524s. **Science in Outdoor Living.** Three credits. *Eckert.* 2:00-3:20 daily

SOCIAL STUDIES

Undergraduate

S. S. 225s. **Historical Influences on Modern Society.** Impact of significant forces in civilization upon present-day culture; medieval scholasticism; Renaissance individualism and humanism; the scientific spirit; 18th century rationalism; revolutionary doctrine; evolution of the democratic idea; imperialism; nationalism; recent rise of oriental peoples; growth of international organizations. Two credits. *Mason.* 8:00-8:50 daily

S. S. 305s. **American History, 1789-1865.** Development of American political, social and economic institutions under the Constitution, from its adoption in 1789 to its final acceptance in 1865. Two credits. *Peterson.* 11:00-11:50 daily

S. S. 402s. **Sociology.** Rise and development of culture; cultural change; social organization and social institutions. Required of Elementary Education and Art Education seniors. Three credits. *Weaver.* 9:30-10:50 daily

Graduate

S. S. 501Bs. **Studies in Twentieth Century European History: The History and Institutions of the Soviet Union.** Chief factors in tsarist Russia; Revolution of 1917; coming of the Bolsheviks to power; political and social ideology; govern-

ment and the Communist party; economic system; peasant problem; Soviet foreign policy and its relation to international organization; impact of the Soviet Union upon the western world. Prerequisites: 15 hours in Social Studies, including nine in European History. Three credits. *Mason*.
9:30-10:50 daily

S. S. 502s. The United States and Its Inter-American Relations. American policies toward the Latin American Republic and the Dominion of Canada; recognition; Monroe Doctrine; imperialism; peaceful settlement; cultural interchange; hemisphere security; regionalism. Prerequisites: 15 hours in Social Studies, including six in American History and six in European History. Three credits. *Peterson*.
8:00-9:20 daily

S. S. 521s. Contemporary Social Problems. Problem areas of American society; sources of information; techniques for discovering and analyzing social problems; analysis of several major problems, selected in accordance with student needs and interests. Prerequisites: course in elementary Sociology. Open to qualified seniors with consent of instructor. Three credits. *Weaver*.
11:00-12:20 daily

OFFERINGS FOR 1955 SUMMER ARRANGED BY HOURS

Hour	Undergraduate	Graduate
8:00-9:20	Ed. 465s Eng. 204s Geog. 402s Sci. 410s S. S. 225s	Art 505s Ed. 532s Ed. Ex. 511s H. Ec. 510s El. Ed. 501s Math. 500s Ed. 506s Sci. 501s El. Ed. 531s S. S. 502s
9:30-10:50	El. Ed. 308s Eng. 304s S. S. 402s	Art 508s Eng. 511s Art 511s H. Ec. 516s Ed. Ex. 541s El. Ed. 503s Sci. 503s El. Ed. 515s S. S. 501s Ed. 533s Ed. 575s (Section A)
11:00-12:20	Art 408s S. S. 305s Ed. 102s El. Ed. 307s Ed. 461s Eng. 402s Sci. 310s	Art 507s Eng. 501s Ed. Fx. 520s Geog. 500s El. Ed. 505s I. A. 524s El. Ed. 522s Sci. 500s El. Ed. 523s S. S. 521s Ed. 566s
12:30-1:50	Art 400s El. Ed. 402s Eng. 210s H. Ed. 315s Mus. 304s Sci. 401s	Art 509s Mus. 500s Ed. Ex. 503s Ed. 529s Ed. 575s (Section B) Eng. 514s I. A. 506s
2:00-3:20	Art 456s Ed. 463s El. Ed. 486s Eng. 420s H. Ed. 402s Sci. 325s	Art 506s El. Ed. 516s Ed. 567s

IRREGULAR SCHEDULES

8:00-12:00—El. Ed. 590s
8:00-12:00—El. Ed. 512s
8:00-3:00—El. Ed. 500As
8:30-2:00—El. Ed. 500s
9:00-1:00—El. Ed. 585s
8:30-1:00—El. Ed. 590s
12:00-2:00—I. A. 512s, 513s
8:00-11:00; 12:00-2:00—I. A. 101s, 201s, 202s, 515s, 521s
To be arranged—I. A. 404s, 405s, 406s, 408s

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SPECIAL FEATURES

The College Summer Session offers varied educational experiences in addition to regular classroom activities. Some of these are:

International Education Seminars. This program offered by State University at the International School includes the International Seminar in Education from July 5 through July 15, and the International Organizations Seminar which extends from July 18 through August 12.

These seminars offer a summer of resident study at the International School, Geneva, Switzerland, and provide professionally enriching visits to the following: 1. International Education Conference for the World at the Palace Wilson, Geneva; 2. School of Rousseau; 3. Pestalozzi School; 4. Public and private schools of Switzerland (including the Swiss outdoor education program in summer camps); 5. International Bureau of Education; 6. Educational Exhibits at the Palace Wilson; 7. Headquarters of the International Red Cross; 8. International Labor Office; 9. International Union of Child Welfare; 10. World Health Organization; 11. United Nations sessions; and 12. Voice of America broadcasts.

The International Seminar in Education is organized to acquaint American students with the educational problems and programs of other nations.

The International Organizations Seminar permits American teachers to live in close contact with those of other nations and discuss the many common problems facing society. This seminar presents a speaker daily from each of the major international organizations and includes visits to each organization headquarters.

College credits of six hours may be earned by those completing both seminars. Dr. Emerson Neuthardt is the director.

Art Camp. Two weeks of painting, sculpture and other art studies are provided at the Art Camp being held this summer from August 14 to 26 at the College Camp near Franklinville. The central lodge with dormitories, dining halls, baths, and showers will house the class. The 434 acre camp abounds with rural subject matter: hills, valleys, streams, ponds, and old structures interesting to artists. Students interested in graduate or undergraduate credit are admitted. A few non-credit students will be accepted by the instructor. The total charge (including food, room and tuition) is \$80.00 for graduate credit, and \$75.00 for undergraduate or non-credit students. Inquiries for the Art Camp should be addressed to Mr. Eugene L. Dakin at the College.

Science Camp. The Sixth Science Camp, sponsored by the Science Department, will be held at Allegany State Park during the two weeks immediately following Summer Session, August 14-26, inclusive.

Any elementary school teacher or principal may enroll. Both graduate and undergraduate students are eligible. Prerequisites are six semester hours of college biology and three semester hours of physical science, or the equivalent. Exceptions can be made for those engaged in teaching who have not had the prerequisites.

Activities will include: learning to recognize wild flowers, birds, trees, insects, mosses, ferns, etc.; studying the habitats of various forms of life; and studying the rock formations and fossils of the region. Instruction is in the field, weather permitting. All work will be closely related to the ele-

mentary school and to the interests of individual teachers. Several evening sessions are planned with consultants in conservation, nature study, and wildlife management.

Facilities include: 20 cabins, a large recreation building with fireplace, separate dining room, shower rooms with hot and cold running water, and telephone. A post office, ranger station, and telephone are located nearby. Food will be plentiful, tasty, and well-balanced.

Total cost, including tuition, room, board and laboratory charges will be about \$77.00 for graduate students and \$72.00 for undergraduate students. Enrollment will be limited to fifty students.

Graduate Workshop in Elementary Education. This Workshop offers profitable professional experience for teachers and administrators wishing to devote a summer to the solution of a problem arising out of their own school situations.

A selected group of consultants from the College and from elementary schools will assist Summer Session students in studying instructional and administrative problems such as curriculum making, planning units, discipline, reading difficulties, and teaching social studies.

Resources available to participants include: a selected library of basic references, courses of study, audio-visual materials, and classes of the Campus School.

Registration is open to graduate students for six semester hours.

Preparation of Laboratory School Teachers. The need for laboratory school teachers in the teachers colleges is increasing. The salaries and professional opportunities afforded by such positions are rewarding. The Summer Campus School of the College prepares interested elementary school teachers for laboratory school positions by participation in demonstration teaching and directing the activities of student teachers. Provision is made for Summer Session students to learn about the function of the laboratory school and its part in the teacher education program.

Write to Dr. Robert W. MacVittie, Director of the Summer Campus School for further information.

Early Secondary Education. Graduates of the College may accept positions teaching in the seventh, eighth or ninth grades providing they register in Summer Session for the Fifth-Year Program for the Early Secondary School Grades, qualifying them for a temporary extension of their present certificate including teaching in the junior high school, (renewed year to year by study in Extension or Summer Session). This certificate will be made permanent when the requirements of the Fifth-Year Program of Study are completed (sixteen semester hours completed within two years, thirty semester hours within five years, from the date of graduation).

For details of this program write to the Director of the Graduate Division.

Conservation of Hearing. From July 18 through July 29 the College will cooperate with the New York State Bureau of Health Service in offering a workshop for nurse-teachers. Specialists from the State Department of Education will lead discussions about the problems of children suffering from hearing loss, and the procedures and techniques for their care. Students may enroll in the workshop for two graduate credits.

Industrial Arts Education. The increasing effect of technological advances and industrialization on American life is expanding industrial arts teaching in the public schools.

The Summer Session Industrial Arts courses are offered for:

1. Regularly enrolled college students taking summer courses to extend their professional preparation.
2. Students desiring to accelerate their regular program for earlier graduation.
3. In-Service Industrial Arts teachers interested in specialized areas of teaching.
4. Students working toward the Master of Science degree.

Undergraduate courses are open as electives to all Summer Session students. Write to Dr. Kenneth W. Brown, Director of Industrial Arts, for particulars.

Education for Exceptional Children. Dr. Horace Mann, Director of the Division and Miss Betty Gallagher, will offer four graduate courses in the areas of mental retardation and speech handicap. Graduate students can work both toward the Master of Science degree and New York State certification. Complete details are given under the Graduate Division.

The Intensive Teacher Training Program. The College, in cooperation with the State University, has planned a special program for graduates of Liberal Arts Colleges enabling them to gain the professional background and preparation necessary for permanent certification for teaching in the elementary schools and to qualify for the Master of Science degree.

Those beginning this program should enroll for the Workshop in Elementary Education, El. Ed. 500As. The hours extend from 8:00 A.M. to 3:00 P.M., with individual conferences in the afternoon. The students will be divided into seminar groups of 15 or 20 each, under the guidance of an experienced elementary teacher. Provision is made for observation and participation in the Campus School from kindergarten through grade seven. Classroom management and instructional methods are emphasized.

Eight semester hours of graduate credit may be earned. Fees are charged according to regular rates. Those desiring to register should file an application with the Director of the Graduate Division.

Liberal Arts graduates who have previously registered and completed the Workshop will find a sequential offering among the Graduate courses.

Accelerated Program. The Elementary Education Division will offer the Accelerated Program during the Summer Session to qualified students being graduated from high school in June, 1955. The Accelerated Program is not an abbreviated college course; it is a regular four-year program leading to the Bachelor of Science degree and to teaching certification, completed in three calendar years.

High School students wishing to take this program will enter the College July 5, 1955, attend Accelerated Sessions during the summers of 1955, '56, and '57, attend the regular academic years 1955-56, 1956-57, 1957-58, and be graduated in June, 1958. No tuition is charged to students approved for this program. Applications and further information may be obtained from Dr. Allan P. Bradley, Director of Elementary Education.

Reading Clinic. A laboratory course in the improvement of reading abilities of children and in the diagnosis and treatment of reading difficulties will be offered this summer by Mrs. Laura Dunklin, teacher of reading at the Buffalo Seminary.

The clinic will be conducted daily as follows:

- (1) 9:00-10:00, observations—diagnostic and remedial instruction for children enrolled in the clinic.
- (2) 10:00-11:00, demonstrations by instructors concerning procedures for evaluating and improving reading abilities of the children.
- (3) 11:10-12:00, lectures: normal development of reading ability; physiological and psychological bases of learning to read; causes and prevention of reading disabilities; informal and standardized techniques for group and individual appraisal of reading needs; classroom and clinical procedures in developmental and corrective instruction in reading and spelling.
- (4) 12:10-1:00, scoring of tests, interpretation of data, selection of materials, discussion of problems, and planning of remedial instruction.

The course grants six semester hours credit. Registration is limited to 30 students with experience in education. Registration before June 1 is urged so that the clinic leaders can secure for each student the age and type of child he desires to teach. Those desiring application blanks should write to Mrs. Howard Dunklin, 24 Berkley Place, Buffalo 9, New York.

Students attending other courses may register for the lectures without credit; visitors will be admitted only with the permission of the instructor.

A limited number of children will be registered for diagnostic and remedial treatment of reading difficulties. A fee of \$15.00 is charged for special supplies and instruction materials. Children will be taught individually for one hour each day by an experienced teacher under the guidance of the instructor.

Campus School. A Campus School Program with children from kindergarten through grade seven is an integral part of the Summer Session program. This type of school experience affords enrichment for the children who attend and provides an opportunity for Summer Session students to work with pupils under the supervision of master teachers.

The school is staffed by a faculty which is made up of teachers from neighboring elementary schools, visiting teachers from out-of-state, and teachers from the regular Campus School faculty. The Principal of the Campus School will administer the program during the Summer Session.

The children who attend the Campus School are recruited from local and suburban schools. Summer Session students may register their children in the Campus School. Those interested should write to Dr. Robert W. MacVittie for an application form.

Summer Session students may observe in the classrooms of the Campus School, where they can participate in children's activities.

Art Resource Room. When you need to use scissors and paste in building a paper model, need a water-proof surface for working on a clay project, need to borrow pen and India ink to do some lettering, wish to carry out a desire to carve something out of wood, or need some help in using art

materials,—you will again be able to go to the Art Resource Room, Administration 204, which will be set up with facilities and will have student assistants available to help you.

This room will be open all day. It is equipped with easels, drawing boards, work tables, waterproof surfaces, tools, brushes, paints, scissors, paste block printing presses, weaving looms, carving tools and other special tools and items of art equipment. Art Education seniors are available to lend equipment and help in any way they can.

Audio-Visual Education. Since remarkable improvement in teaching can come through the proper use of audio-visual materials, many schools are inaugurating or expanding audio-visual programs.

Aware of the need for teachers with advanced preparation, the College is offering a graduate workshop in audio-visual education, Education 533s, open to those who have taken basic courses or have had experience in teaching or administering audio-visual education. Such problems as financing, accounting, in-service training, program coordinating, administrative systems, and film libraries will be studied.

Education 465s provides undergraduates with the knowledges and skills needed in effective use of audio-visual materials in teaching. Laboratory work in equipment operation and the viewing of films is included.

Sufficient audio-visual equipment items of all varieties and a well-stocked library of films, filmstrips, and other aids make significant laboratory work possible.

Since October 1951 the College has produced daily television programs at 9:30 A.M. over WBEN-TV. Members of the faculty, guests, students, and Campus School children take part in these telecasts which permit first hand experience with this teaching medium.

Extra-Class Activities. During the summer there will be offered suitable opportunities for recreation, entertainment, and intellectual stimulation. Four convocations during the summer will offer well-known speakers; panel discussions, informal seminars, exhibits, and demonstrations will supplement the formal educational program. There will be tours and field trips arranged for those interested in seeing the historical and scenic features of the Niagara Frontier; there will also be organized participation in the cultural programs of the vicinity. Motion pictures of merit and lasting interest will be shown frequently; swimming, dancing, tennis, badminton, canoeing, teas and the general sociability of the College Union round out the opportunities for relaxation. The extra-class program will be under the supervision of Dr. Gordon Klopff, Dean of Students, and his staff. Specific reminders of the features will be announced in the college newspaper, published weekly through the summer.

Picnic. The 1955 picnic will be held on Wednesday, July 20, in the afternoon and early evening. This traditional event brings together faculty and students for games, dancing, food, and fraternity.

Shorter Courses. To serve those persons who are unable to devote six weeks to their education, two workshops have been established for shorter periods. Each will last for two weeks and offer a concentrated study of a particular area. From August 1 through August 12 there will be the course

in mathematics; from August 15 through August 26 the workshop in language arts. Both will be in session for about three hours a day for ten days; both offer two graduate credits; and both are designed to meet the needs of elementary school teachers who need further exploration of the techniques of teaching in those subjects.

Driver Education Scholarships. For the second year, a substantial grant from the Allstate Foundation of Chicago permits the College to offer scholarships to teachers training in Driver Education. The course of study to be followed is described earlier in this bulletin under Education 567s.

At least thirty-six scholarships valued at one hundred dollars each will be awarded to persons training in the program. Each scholarship pays all tuition and other fees for the regular six-weeks session and provides a small additional amount for personal expenses.

The Driver Education program is one answer to the growing problem of automobile-accident destruction. Teachers are needed in many high schools to supervise programs in safety education and driver training for young men and women learning to drive. The College uses the grant to encourage qualified teachers to take the training necessary to qualify them for such leadership.

Applications for the scholarships, and further information, may be obtained from Howard J. Meyer, at the College.

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APPLICATION FOR REGISTRATION

Your registration will be facilitated if you will fill out this blank and return it to the Director of Summer Session as soon as your plans are definite. No obligation is implied. Registration is not completed until fees have been paid.

NAME
Last First

Home Address
Number Street Town or City State

College Now Attending or Graduate of
Name Location Year of Graduation

If Teaching
School Grade or Subject

Dept. or Division	Course No.	Name of Course or Workshop	Credit Hours	
			Grad.	U. Grad.

If you want the College to provide housing information check the appropriate blank below.

Single room, College dormitory.....

Double room, College dormitory.....

College-approved private residence.....

Dates desired

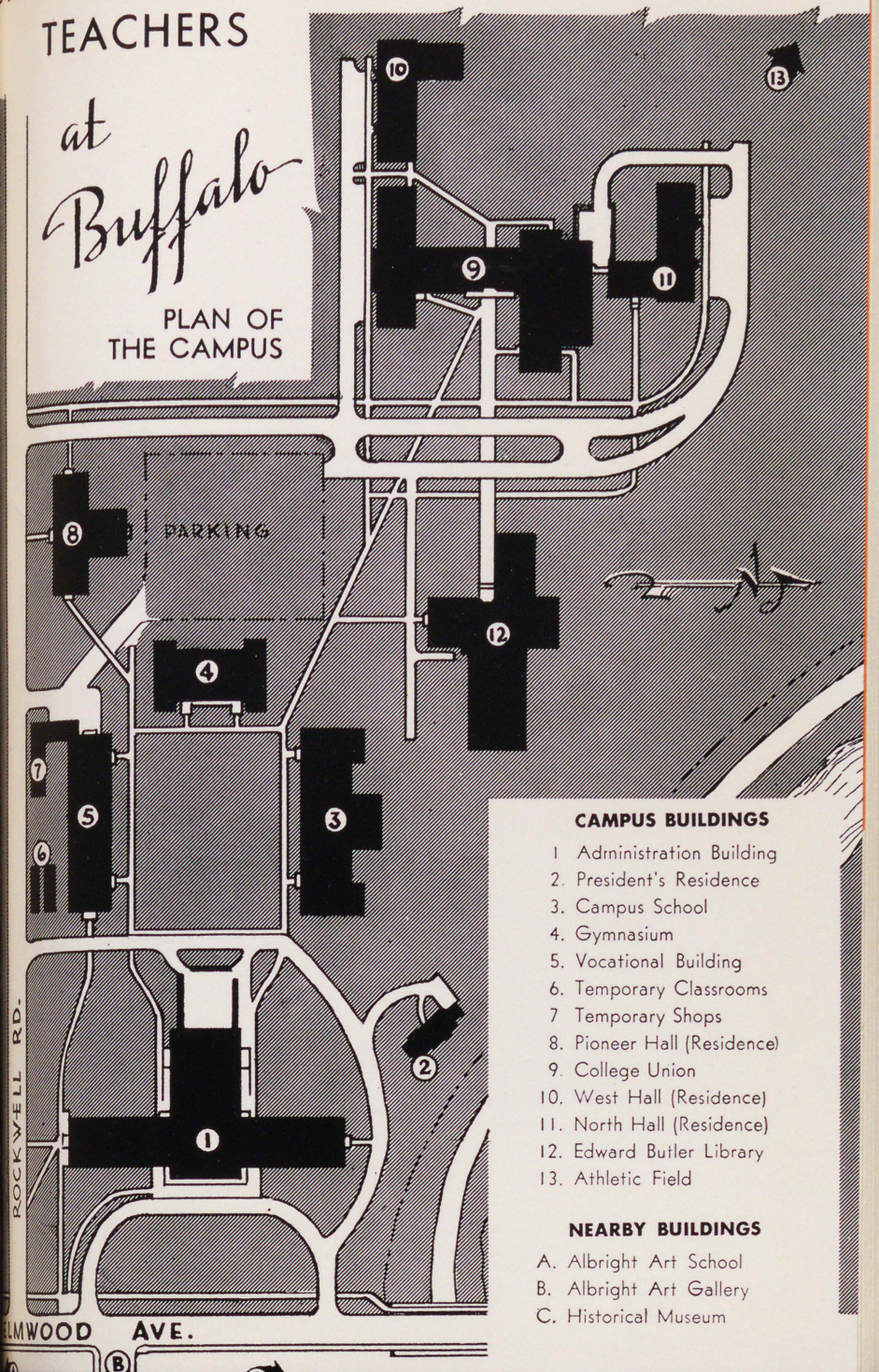
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PLAN OF
 THE CAMPUS



CAMPUS BUILDINGS

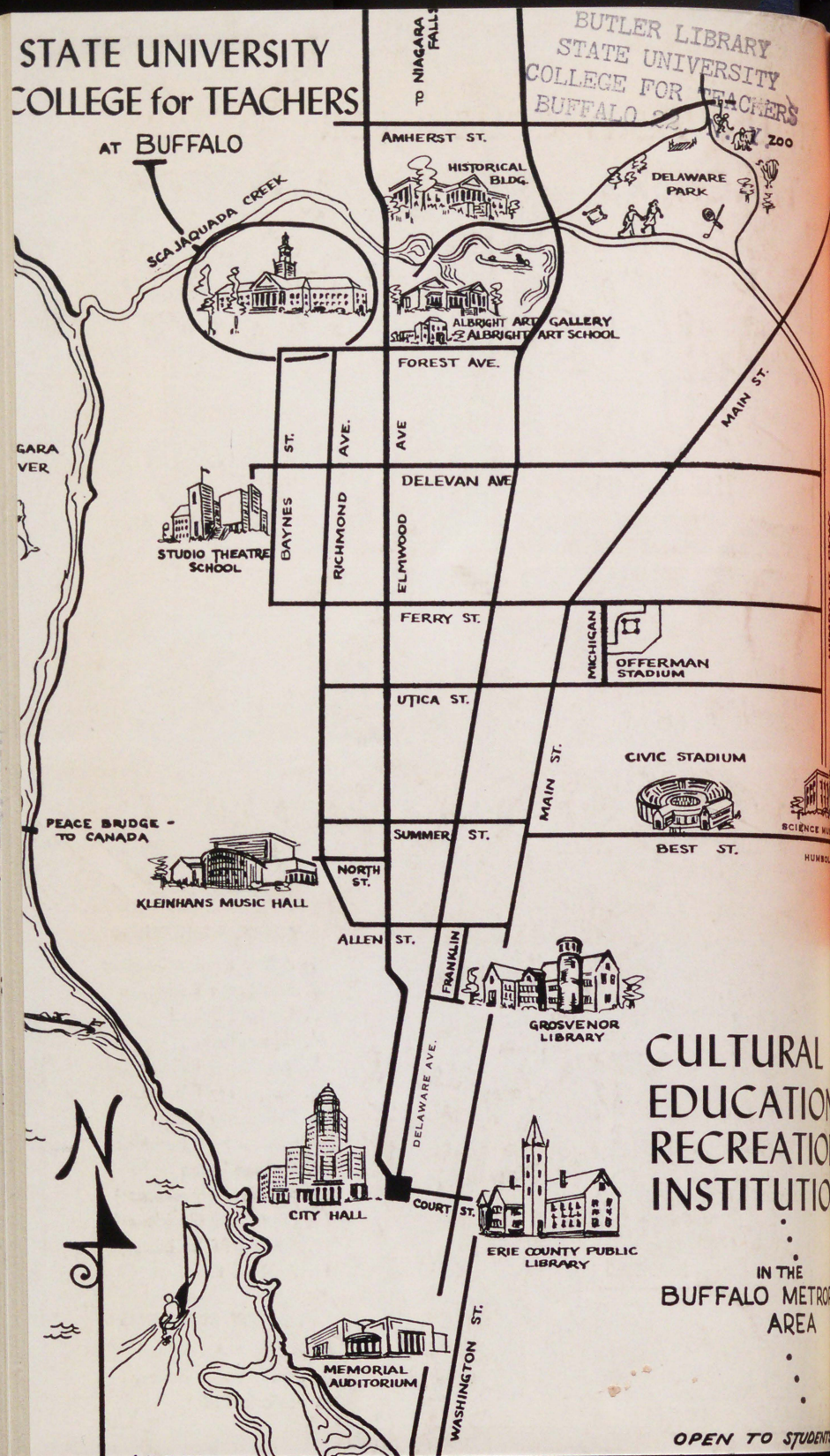
- 1 Administration Building
- 2 President's Residence
- 3 Campus School
- 4 Gymnasium
- 5 Vocational Building
- 6 Temporary Classrooms
- 7 Temporary Shops
- 8 Pioneer Hall (Residence)
- 9 College Union
- 10 West Hall (Residence)
- 11 North Hall (Residence)
- 12 Edward Butler Library
- 13 Athletic Field

NEARBY BUILDINGS

- A. Albright Art School
- B. Albright Art Gallery
- C. Historical Museum

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