

Harold Kemper

CALIFORNIA

STATE TEACHERS COLLEGE

BULLETIN



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Registrar and Director Of Admissions
California State College
California, Pennsylvania

PUBLISHED BY THE COLLEGE
CALIFORNIA, PENNSYLVANIA

"HOW TO USE THIS BULLETIN"

Consult the Table of Contents for the general plan of the book and the Index for specific page references.

SOME QUESTIONS FREQUENTLY ASKED:

- (1) How much does it cost to attend the State Teachers College at California?
See Summary of Expenses page 73.
- (2) What are the requirements for admission?
See General Requirements for Admission pages 33 to 38.
- (3) What are the graduation requirements?
See pages 44 to 50.
- (4) Can I prepare to teach in the elementary grades?
See pages 54 and 63.
- (5) Can I prepare to teach high school subjects?
See pages 55 and 64 to 72.
- (6) What courses are required of everyone?
See outline of Curriculum pages 54 to 61.
- (7) What special curriculums are offered at California?
See pages 56 to 61.
- (8) Where would I live?
See pages 30 to 32.
- (9) Is California approved for veteran's education?
See page 32.
- (10) What credits can be transferred to other colleges and other universities?
See Statement of Accreditation on Page 3 of cover.
- (11) What is the content of the several courses?
See course descriptions pages 77 to 102.
- (12) What extra curricular activities are available?
See pages 25 to 27.
- (13) Are scholarships available at California?
See pages 22 and 23.
- (14) What standards of scholarship are expected?
See pages 38 to 43.
- (15) May I transfer to California to complete Student Teaching?
Pages 47 to 48 will give the answers.





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CALIFORNIA, PENNSYLVANIA

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CALENDAR 1957-1958

1957 Summer Session

The Pre-Session ----- June 3 to June 21
The Six-Week Session ----- June 24 to August 2
The Post Session ----- ~~August 5 to August 23~~

1957-1958 ACADEMIC YEAR

THE FIRST SEMESTER

Registration of Upperclassmen ----- Wednesday, September 4
Registration of Freshmen ----- Thursday, September 5
Classes Begin at 8:00 a.m. ----- Friday, September 6
Thanksgiving Recess Begins at the
Close of Classes ----- Tuesday, November 26
Thanksgiving Recess Ends at 8:00 a.m. ----- Monday, December 2
Christmas Vacation Begins at the
Close of Classes ----- Saturday, December 14
Christmas Vacation Ends at 8:00 a.m. ----- Monday, January 6
Semester Ends at the Close of Classes ----- Tuesday, January 21

THE SECOND SEMESTER

Registration ----- Monday, January 27
Classes Begin at 8:00 a.m. ----- Tuesday, January 28
Easter Recess Begins at the Close of Classes ----- Tuesday, April 1
Easter Recess Ends at 8:00 a.m. ----- Tuesday, April 8
Alumni Day ----- Saturday, May 24
Commencement Exercises ----- Monday, May 26

| CALENDAR 1958-1959 |

1958 Summer Session

The Pre-Session ----- June 2 to June 20
The Six-Week Session ----- June 23 to August 1
The Post Session ----- August 4 to August 22

1958-1959 ACADEMIC YEAR

aug 29

THE FIRST SEMESTER

Registration of Upperclassmen ----- Monday, September 8
Registration of Freshmen ----- Tuesday, September 9
Classes Begin at 8:00 a.m. ----- Wednesday, September 10
Thanksgiving Recess Begins at the
Close of Classes ----- Tuesday, November 25
Thanksgiving Recess Ends at 8:00 a.m. ----- Monday, December 1
Christmas Vacation Begins at Noon ----- Thursday, December 18
Christmas Vacation Ends at 8:00 a.m. ----- Monday, January 5
Semester Ends at the Close of Classes ----- Tuesday, January 20

THE SECOND SEMESTER

Registration ----- Monday, January 26
Classes Begin at 8:00 a.m. ----- Tuesday, January 27
Easter Recess Begins at the Close of Classes ----- Tuesday, March 24
Easter Recess Ends at 8:00 a.m. ----- Tuesday, March 31
Alumni Day ----- Saturday, May 23
Commencement Exercises ----- Monday, May 25

BOARDS OF CONTROL

COMMONWEALTH OF PENNSYLVANIA

Department of Public Instruction

Charles H. Boehm	Superintendent
Dorr E. Croaley	Deputy Superintendent
C. Herman Grose	Deputy Superintendent
Carl E. Seifert	Deputy Superintendent
Ralph C. Swan	Deputy Superintendent

State Council of Education

Paul R. Anderson	Pittsburgh
Cathleen M. Champlin	Philadelphia
James H. Duckrey	Cheyney
O. H. English	Abington
Millard E. Gladfelter	Philadelphia
George E. Hamilton	Meadville
Andrew G. Nowak	Erie
Stephen B. Sweeney	Philadelphia
Pearl Buck Walsh	Dublin

The Board of Trustees

Peter T. Dumbauld, President	Somerset
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T. Gerald Stanley	Belle Vernon

ADMINISTRATIVE ORGANIZATION OF THE COLLEGE

OFFICERS OF THE COLLEGE

Michael Duda	-----	President
James S. Porter	-----	Acting Dean of Instruction
		Director of Admissions
Harold W. Traister	-----	Director of Student Teaching
Lela T. Hamilton	-----	Dean of Women
Frank W. Lenox	-----	Dean of Men
Stephen E. Pavlak	-----	Principal, Noss Laboratory School
		Placement Officer
Merle O. Covell	-----	Director, Elementary Curriculum
Paul N. Walker	-----	Director, Secondary Curriculum
Shriver L. Coover	-----	Director, Industrial Arts Curriculum
William Hormell	-----	Superintendent of Buildings and Grounds
Paul E. Wickerham	-----	Bursar

ASSISTANTS IN ADMINISTRATION

Isabella R. King	-----	Assistant Dean of Women
Frank McClay Naylor	-----	Assistant Dean of Men
Arlene Kerstetter	-----	Dietitian
Virginia E. Luckhardt	-----	Librarian
Zana Kennedy (Mrs.)	-----	Registrar
Sarah L. Hall (Mrs.)	-----	Housekeeper
Joseph E. Downey, M.D.	-----	College Physician
Linnea V. Eckel, R.N., (Mrs.)	-----	College Nurse

HEADS OF DEPARTMENTS

Edwin E. Halstead	-----	Fine Arts
George E. Harding	-----	Science, Mathematics, Geography
George S. Hart	-----	Social Studies, History
Eugene J. Hester	-----	Health and Physical Education
		Director of Athletics
C. Mart Hughey (Acting)	-----	English
Harold W. Traister	-----	Education

SECRETARIAL AND CLERICAL STAFF

Irene Oldham (Mrs.)	Secretary to the President
Dorothy Young	Secretary to the Dean of Instruction
Mary Elaine Scrip	Assistant Secretary to the Dean of Instruction
Melva M. Pocky	Secretary to Dean of Men and Women
Dorothy M. Valla	Secretary to the Director of Industrial Arts
Sara E. Steele	Secretary to Principal, Noss Laboratory School
Dorothy M. Reichard	Assistant to the Librarian
Virginia Sacco	Bookkeeper, Business Office
Ruth Underwood	Bookkeeper, Business Office
Lillian Piribek	Chief Clerk, Business Office
Lucille Coursin	Admissions Clerk
Marjorie Ferris	Stenographic and Duplicating Serv
Florence Baston (Mrs.)	Recording Clerk
Anne Litavec	Transcript Clerk
Nancy Schaum	Recording Clerk
Rose Marie Gray (Mrs.)	Switchboard Operator

STUDENT ACTIVITIES ASSOCIATION, INCORPORATED

Katherine Burger	Manager of the College Bookstore
Mary Crockett (Mrs.)	Manager of the College Snack Bar

THE FACULTY

Michael Duda, President

(1956) A.B., St. Vincent College; Ed.M., Ed.D., University of Pittsburgh.

James S. Porter, Acting Dean of Instruction

(1955) B.S., Grove City College; M.Ed., University of Pittsburgh.

* * * * *

Robert M. Steele, President Emeritus

** (1928-1952) Ph.B., Bucknell University; M.A., Ph.D., Teachers College, Columbia University; LL.D., Bucknell University.

Ella E. Bernstorf, Emeritus Dean of Women

(1930-1945) A.B., Southwestern College; M.A., University of Kansas; M.A., Teachers College, Columbia University.

Marie T. Escher, Emeritus Professor of Elementary Education

(1922-1951) B.S., M.A., University of Pittsburgh.

Thomas M. Gilland, Emeritus Director of Student Teaching and Placement

(1931-1956) A.B., Ursinus College; M.A., Teachers College, Columbia University; Ph.D., University of Chicago.

Bess M. Hazen, Emeritus Professor of Art

(1926-1954) A.B., Carnegie Institute of Technology; M.A., University of Pittsburgh.

Isaac Clayton Keller, Emeritus Professor of English

(1923-1952) A.B., Albright College; M.A., Harvard University; Ph.D., University of Pittsburgh.

Neva W. Montgomery (Mrs.), Emeritus Professor of Elementary Education

(1929-1947) B.S., M.A., George Peabody College.

Samuel M. Neagley, Emeritus Professor of Education

(1927-1947) A.B., Franklin and Marshall College; M.A., Columbia University; Ph.D., University of Pittsburgh.

Elon G. Salisbury, Emeritus Professor of Mathematics

(1930-1945) B.S., Union College; M.A., Ph.D., George Washington University.

Charles Veon, Emeritus Professor of Piano

(1909-1953) Mus.D., New York Conservatory of Music; L.A.B., The Royal Schools of Music, London.

Louise M. Ward, Emeritus Manager of the Bookstore

Clair B. Wilson, Emeritus Professor of Psychology; Education

(1926-1956) B.S., Grove City College; M.A., Ohio State University.

A. H. Anderson, Professor of Biology; Zoology

* (1956) B.S., Salem College; M.S., Ph.D., West Virginia University.

* Year of Appointment.

** Years of Service.

Similar

- Frederick A. Atkins, Associate Professor of Mathematics
(1946) B.S., M.A., Columbia University.
- Gabriel P. Betz, Professor of Geography
(1955) B.S., M.S., University of Illinois; D.S.S., Syracuse University.
- O. Ray Bontrager, Professor of Education
(1936) B.A., M.A., Ph.D., University of Iowa.
- J. Herschel Bowlen, Associate Professor of Speech Correction
(1946) B.A., West Virginia University; M.A., Columbia University.
- †Arthur T. Cairns, Assistant Professor of English
(1955) B.S., State Teachers College at California; Ed.M., University of Pittsburgh.
- Merrill G. Campbell, Professor of Industrial Arts
(1948) B.S., State Teachers College at California, Pennsylvania; Ed.M., Ed.D., University of Pittsburgh.
- Henrietta Carroll, Associate Professor of English; Modern Language
(1926) A.B., Allegheny College; M.A., University of Pittsburgh.
- Ralph F. Charney, Assistant Professor of Industrial Arts
(1946) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh.
- Cora B. Coover (Mrs.), Instructor of English and Speech
B.L., Northwestern University.
- Shriver L. Coover, Director of Industrial Arts
(1930) B.S., Geneva College; M.A., Ed.D., University of Pittsburgh.
- Merle O. Covell, Associate Professor of Education
(1956) B.S., M.S., Kansas State Teachers College at Pittsburg, Kansas.
- Leslie E. Crowley, Associate Professor of Education
(1955) A.B., M.Ed., University of South Carolina.
- Louise Davis, Assistant Professor of Speech
(1956) B.S., State Teachers College at California, Pennsylvania; M.A., University of Pittsburgh.
- Angus H. Douple, Associate Professor of Art
(1946) B.S., State Teachers College at Kutztown, Pennsylvania; M.Ed., The Pennsylvania State University.
- William L. Dovenspike, Assistant Professor of Music
(1955) B.S., State Teachers College at Indiana, Pennsylvania; M.Ed., The Pennsylvania State University.
- J. Calvin Fleming, Associate Professor of Physics: Physical Science
(1948) B.A., College of Wooster; M. Litt., University of Pittsburgh.
- Edwin E. Halstead, Assistant Professor of Music
(1924) B.S., M.A., New York University.

†Part Time.

FACULTY

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- Lela T. Hamilton (Mrs.), Dean of Women, Associate Professor of Education
(1952) A.B., Davis-Elkins College; M.A., Teachers College, Columbia University.
- George E. Harding, Associate Professor of Geography
(1927) B.S., Ph.G., Fremont College; A.B., Nebraska Wesleyan University; M.A., University of Nebraska.
- Dorothy E. Harpster, Assistant Professor of English
(1956) A.B., Dickinson College; M.A., Columbia University.
- George S. Hart, Professor of Social Studies
(1938) A.B., M.A., Ph.D., University of Pittsburgh.
- Clyde M. Hartman, Assistant Professor of Chemistry; Physical Science
(1947) B.S., Ed.M., University of Pittsburgh.
- William D. Hepner, Instructor of Social Studies
(1956) B.S., State Teachers College at California, Pennsylvania.
- Eugene J. Hester, Associate Professor of Health and Physical Education;
Director of Athletics; Coach of Basketball.
(1946) B.S., M.S., West Virginia University.
- Louise A. Hildreth, Associate Professor of Health and Physical Education
(1926) B.S., Syracuse University; M.A., New York University.
- Aaron J. Hoover, Assistant Professor of Industrial Arts
(1936) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh.
- Jack F. Hoyes, Associate Professor of Visual Education; English
(1946) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh.
- Mart Hughey, Assistant Professor of English
(1928) A.B., Ohio University; M.A., Ohio State University.
- Phil R. Jack, Associate Professor of Social Studies
(1955) B.A., M.A., The Pennsylvania State University; Ph.D., University of Pittsburgh.
- John W. Keller, Professor of History and Social Studies
(1956) A.B., Heidelberg College; M.A., Ph.D., Ohio State University.
- Harold E. Kemper, Professor of Mathematics and Science
(1955) B.S., Geneva College; Ed.M., Ph.D., University of Pittsburgh.
- Isabella R. King, Assistant Dean of Women; Associate Professor of Education
(1956) A.B., Otterbein College; M.Ed., The Pennsylvania State University.
- Gaston Lebois, Assistant Professor of Industrial Arts
(1955) B.S., M.Ed., The Pennsylvania State University.
- Frank W. Lenox, Dean of Men; Associate Professor of Social Studies
(1947) A.B., Westminster College; M.A., The Pennsylvania State University.

John F. Lewis, Associate Professor of Biology; Botany

(1945) A.B., M.A., University of Pittsburgh; M.L.S., Carnegie Institute of Technology.

Lawrence H. Maddock, Associate Professor of English

(1955) B.A., George Peabody College; M.A., University of Southern California.

Minor W. Major, Associate Professor of English

(1956) B.A., Washington University; M.A., University of Kansas.

Harry L. Monroe, Associate Professor of Mathematics and Physical Science

(1946) B.S., Grove City College; Ed.M., University of Pittsburgh.

Frank M. Naylor, Professor of Education

(1956) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh; Ed.D., University of Pittsburgh.

Theodore J. Nemeth, Assistant Professor of Health and Physical Education; Coach of Football

(1946) B.S., M.Ed., The Pennsylvania State University.

Stephen E. Pavlak, Professor of Education

(1954) B.S., State Teachers College at California, Pennsylvania; Ed.M., Ph.D., University of Pittsburgh.

*B. Louise Rakestraw, Assistant Professor of English

(1946) A.B., M.A., Bucknell University.

George H. Roadman, Associate Professor of Social Studies

(1946) B.S., State Teachers College at California, Pennsylvania; M.A., University of Pittsburgh.

Emma Sacco, Associate Professor of Social Studies; Spanish

(1928) B.S., New York University; M.A., University of Chicago.

Andrew Sepsi, Assistant Professor of Biological Sciences; Coach of Baseball; Assistant Coach of Football

(1950) A.B., Waynesburg College; M.A., University of West Virginia.

Richard W. Shackelford, Professor of Industrial Arts

(1955) B.A., Simpson College; M.Ed., Colorado A & M; Ed.D., University of Florida.

Irvin J. Shutsy, Associate Professor of Industrial Arts

(1948) B.S., State Teachers College at California; Ed.M., University of Pittsburgh.

Edward J. Sikora, Assistant Professor of Industrial Arts

(1955) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh.

John H. Smith, Assistant Professor of English

(1955) B.S., State Teachers College at West Chester, Pennsylvania, M.Ed., Harvard University.

* Sabbatical Leave of Absence, First Semester 1956-1957

VIRGINIA

E. LUCKHART

(1945) B.S.,
Susquehanna Univ.

University of Pa.





- Alexander R. Smoyer, Assistant Professor of Industrial Arts
(1946) B.S., State Teachers College at California, Pennsylvania; M.Ed.,
University of Pittsburgh.
- Hubert Edward Snyder, Assistant Professor of Biology; Zoology
(1949) B.S., M.S., The Pennsylvania State University.
- Anthony T. Stavaski, Associate Professor of Industrial Arts
(1935) B.S., Fitchburg State Teachers College; Ed.M., University of
Pittsburgh.
- K. Fife Sterrett, Professor of Education
(1955) A.B., Geneva College, M.A., The Pennsylvania State University;
Ph.D., University of Pittsburgh.
- John R. Swearingen, Assistant Professor of Industrial Arts
(1955) B.S., State Teachers College at California, Pennsylvania; M.A.,
University of Maryland.
- Mary Tempero (Mrs.), Assistant Professor of Nursing Education
(1954) B.S., Nursing Education, University of Pittsburgh.
- Harold W. Traister, Professor of Education
(1947) B.S., M.A., Ed.D., University of Pittsburgh.
- Paul N. Walker, Associate Professor
(1930) B.S., Bucknell University; M.S., University of Pittsburgh.
- Marian H. Weaver, Instructor of Speech
(1953) B.S., State Teachers College at California, Pennsylvania.
- Malverne R. Wolfe, Professor of History
(1947) B.S., State Teachers College at Slippery Rock, Pennsylvania;
M.A., Ph.D., University of Pittsburgh.

THEODORE B. NOSS LABORATORY SCHOOL

- Ruthann E. Bagshaw (Mrs.), Assistant Professor of Elementary Education Kin-
dergarten
(1951) B.S., State Teachers College at California, Pennsylvania; M.A.,
University of Pittsburgh.
- Nellie Baliker, Assistant Professor of Elementary Education, Grade One
(1956) A.B., State Teachers College at Fairmont, Pennsylvania; M.A.,
West Virginia University.
- Mary Rossini DeCarlo (Mrs.), Assistant Professor of Elementary Education,
Grade Two
(1954) B.S., State Teachers College at California, Pennsylvania; M.A.,
University of Pittsburgh.
- Rose Greco Hughes (Mrs.), Assistant Professor of Elementary Education,
Special Room
(1938) B.S., State Teachers College at California, Pennsylvania; Ed.M.,
University of Pittsburgh.

Merrell E. Holman (Mrs.), Assistant Professor of Elementary Education, Grade Six

(1947) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh.

Roxana H. Irwin, Assistant Professor of Elementary Education, Grade Four

(1955) B.S., State Teachers College at Clarion, Pennsylvania; M.Ed., Westminster College.

Edgar L. Lawton, Assistant Professor of Elementary Education; Grade Five

(1956) B.S., State Teachers College at Mansfield, Pennsylvania; M.S., Bucknell University.

Ada K. Marsh (Mrs.), Assistant Professor of Elementary Education, Grade Three

(1945) B.S., State Teachers College at California, Pennsylvania; Ed.M., University of Pittsburgh.

*Lucy A. Valero, Assistant Professor of Education, Grade Five

(1951) B.S., State Teachers College at California, Pennsylvania; M.A., Pennsylvania State University.

*Sabbatical Leave of Absence, First Semester 1956-1957

COOPERATING SCHOOLS

The following school systems cooperate in the Student Teaching Program:

Baldwin	Allegheny County
Brentwood	Allegheny County
Brownsville	Fayette County
California	Washington County
Charleroi	Washington County
Connellsville	Fayette County
Donora	Washington County
Dunbar Township	Fayette County
Monessen	Westmoreland County
Monongahela	Washington County
Mt. Lebanon	Allegheny County
Neville Township	Allegheny County
North Allegheny	Allegheny County
North Union Township	Fayette County
Pittsburgh-Taylor Alderdice	Allegheny County
Somerset	Somerset County
Uniontown	Fayette County
Washington	Washington County
West Jefferson Hills	Allegheny County
West Mifflin Borough	Allegheny County

THE COLLEGE

The provisions of this bulletin are not to be regarded as an irrevocable contract between the student and the College. The College reserves the right to change at any time within a student's term of residence any provision or requirement in keeping with changes of the State Department of Public Instruction or the Board of the State Teachers College Presidents. The College further reserves the right to ask, at any time, that a student withdraw *for cause*.

PURPOSE

The College is a professional one, owned and controlled by the Commonwealth of Pennsylvania, for the specific purpose of preparing teachers for the public schools. It prepares teachers for all of the elementary grades and for the academic fields of the junior and senior high schools. In the special fields it serves the western half of Pennsylvania in preparing teachers of industrial arts, teachers of classes for the mentally retarded, and teachers to act as speech correctionists. Students who show that they are not fitted for the profession of teaching may be asked, at any time, to withdraw.

HISTORY

The borough of California, founded in 1849, gets its name from the gold rush to the state of California during the same year. The settlers here, early feeling a need for education, in 1852 established an academy. Thirteen years later that institution received a state charter to become the Southwestern Normal College. In 1894 it was given official state recognition and became known as the Southwestern State Normal School.

In 1913 the stockholders of the original institution voted to accept a proposal of the State Board of Education for the purchase of the school, and in 1914 entered into an agreement, which was approved by the governor, making the Southwestern State Normal School a state-owned institution.

Under state control the Normal School at California, together with others throughout the state, developed new programs and new services. Curriculum standards were constantly advanced, until in

1928 the State Council of Education granted to the College the right to offer a four-year curriculum in elementary education, leading to the bachelor of science degree. A few months later the same body approved the addition of a four-year curriculum for the preparation of teachers for public secondary schools. In 1929 the school became officially a Teachers College, fourteen students receiving degrees at the Commencement in May.

In the fall of 1930 an industrial arts curriculum was added. Since that time the services in the elementary field have been extended to include courses for the preparation of teachers interested in speech correction and in mentally retarded classes.

Today the College, with four four-year curriculums and several specialized services, ranks among the outstanding institutions of its kind in the state as well as in the Eastern United States. During 1955-56, it served 1015 full-time students and more than 110 teachers-in-service. It has a faculty and administrative staff of 70 persons.

The service area of the College includes, for the preparation of elementary and secondary school teachers, Washington, Fayette, Greene, and Somerset Counties, and for the preparation of teachers of industrial arts and atypical education, all of Western Pennsylvania.

LOCATION

The State Teachers College at California, located in what is known as the Tenth Teachers College District, is 35 miles south of Pittsburgh, 16 miles from Uniontown, 25 miles from Washington, Pennsylvania, 25 miles from Waynesburg, and 60 miles from Somerset.

The College is most easily reached over U. S. Route 40, which comes within four miles of California at Malden, a short distance from West Brownsville, and over Pennsylvania Route 88.

Bus services add to its accessibility. One bus route makes several daily runs direct to Pittsburgh; others furnish service to Brownsville, Charleroi, Monessen, and Pittsburgh. One bus service over Route 40 makes connection with a local line direct to California.

THE CAMPUS, BUILDINGS, AND EQUIPMENT

PRESENT BUILDINGS

Fourteen buildings, of which 13 are brick, are arranged in a quadrangle on a campus of 40 acres. The entire campus has been laid out by a landscape architect, with hedges, shade trees, flower plots, and shrubbery. Many uncommon plants and trees are included in the collection, which, besides adding beauty to the campus, offers a valuable laboratory for students in the biological sciences. Large scale improvements and additions to the campus plantings have been made recently.

Main Hall, the oldest building on the campus, was first used in 1870. The administrative offices, the library, and a number of classrooms are located in this building.

North Hall, built in 1874, serves as a women's dormitory. The Colonial Room and College Infirmary are on the first floor. The ground floor houses the rooms for the commuting women.

South Hall, built in 1876, has been completely remodeled and houses the Visual Aids Department and dormitory rooms for women. The President's residence occupies the front portion of this building.

Dixon Hall, built in 1907, in addition to serving as a men's dormitory includes the Georgian Dining Room. The ground floor houses the Day Men's Room.

Science Hall, which stands near the center of the northern boundary of the campus, was built in 1892 and remodeled in 1938. The laboratories, equipped to accommodate 30 students at a time, are modern in every respect.

Science Annex, a temporary structure located on the north side of the campus, has been constructed recently to accommodate classes in biological science, mathematics, and speech. The speech correction clinics are located in this building.

The *Noss Laboratory School*, built in 1930, is a center for student teaching, including observation and demonstration work.

The *Industrial Arts Building*, opened for use in 1939, is on the east campus. This building is one of the best planned and most

complete of its kind in the country. It provides laboratories, classrooms, offices, storage rooms, a reference library, and shop facilities for printing, woodwork, painting, machine shop, sheet metal, forging, welding, auto mechanics, electricity, and ceramics.

Herron Hall, facing Third Street, is the college gymnasium. The first floor includes a classroom, a play room, and locker rooms for men and women; on the second floor are a large gymnasium and four classrooms. The central portion was built in 1930; the classroom wings were added in 1932.

Herron Hall, East Wing, was opened in 1939. It contains one of the best swimming pools in Western Pennsylvania. The glazed tile pool is illuminated indirectly by disk-shaped chandeliers, as well as by underwater lights. The tank, with a sloping, tiled bottom and permanent black swimming lanes, is 75 feet long and 25 feet wide. Two corrective-exercise rooms and a large playing floor complete this wing.

Vulcan Hall, immediately behind the main building was built in 1892 as a gymnasium. The upper floor of Vulcan Hall now houses the Student Lounge. The decorations and equipment of modern design were planned and executed largely by the Industrial Arts Department. The room is unique for its use of bright color in the furnishings and decorations. A large mural depicting student life on the campus was designed and painted by a former student.

The student-owned Snack Bar has been relocated and occupies a part of the ground floor. The College Book Room, also a student cooperative enterprise, occupies a portion of the ground floor.

Johnson Hall, located on Hickory Street, near the athletic field, the gymnasium, and the Industrial Arts Building, houses 125 men. It includes an apartment for the Dean of Men, beautiful lounges, recreation and service rooms. The building is fireproof and modern in every respect; the furnishings throughout are entirely new. It was first occupied September 1952.

Other buildings are the Heating Plant, an attractive structure on the northeast campus, the Laundry and the Maintenance Plant, both of which are near Vulcan Hall.

The *Robert McCurdy Steele Auditorium*, a building named in honor of a former president, is located along Third Street on

the eastern edge of the campus and has auditorium facilities for 900 persons. The building was dedicated in October 1953. There is adequate parking space adjacent to the building.

NEW BUILDING

Approval has been given to erect a new classroom building for the Sciences. An allocation of \$3,665,000 has been made for this purpose. An additional allocation of \$150,000 has been made to complete the stage of Steele Auditorium.

*Not 8,000,000
but
800,000*

OTHER DEVELOPMENTS

The Lilley Recreational Center is a student enterprise, located two miles south of the campus on Route 88. It is a farm of 82 acres, with a stone house, built in 1810, and a large stone barn; the latter has been renovated and remodeled for student activities. The property was purchased by the students and is being gradually developed as an activity and recreational center.

The Athletic Field, a seven-acre tract located southeast of the main campus and conveniently near the gymnasium, furnishes adequate facilities for football, track, baseball, tennis, archery, and other outdoor activities.

LIBRARY AND LABORATORIES

The library, housed in Main Hall, contains more than 30,000 volumes. Approximately 1,000 volumes are added each year. The library subscribes for over 200 current magazines and newspapers and has catalogued nearly 2,000 bound volumes of periodicals. Spacious, well-lighted reading rooms accommodate 150 students. The periodical reference room provides limited study space for students upon request.

The College maintains well-equipped laboratories in biology, chemistry, physics, psychology, and speech correction, in addition to the facilities provided in the many shops for industrial arts students. The chemistry, physics, and biology laboratories, with lecture rooms adjacent, are located in Science Hall, which was remodeled and redecorated in 1938. Each of these laboratories accommodates a class of 25 or 30 students. Science Annex has facilities in biology for laboratory sections of 50. The psychology laboratories are lo-

cated in the Noss Laboratory School, which is also the campus center for elementary student teaching. Excellent shop facilities are provided in the Industrial Arts Building.

CLINICAL SERVICES

Although the main function of the College is teacher-education, additional service to the community and to the area is furnished through speech correction and psycho-educational clinics, which serve both public school children and college students. Many school districts, as well as individuals, are aided annually through the facilities of these clinics.

The speech correction clinic provides an opportunity for students and teachers to observe speech correction at work. A week-day clinic accommodates cases for treatment over the period of a semester. School surveys and clinic and office appointments are available to anyone.

The psycho-educational clinic, which cooperates closely with the speech clinic, deals with problems of social attitude, personality, and retardation in learning. It is open for after-school appointments on Mondays, Wednesdays, and Fridays, and on Saturday mornings. A limited amount of field service is furnished to school districts that wish to establish special classes for mentally retarded children. This clinic has an equal interest in the study and adjustment of children of superior ability. In the two types of service it meets approximately 50 children monthly.

CLINICAL SERVICES FOR COLLEGE STUDENTS

Each student has the opportunity to use the college clinical services for gaining an understanding of his personal characteristics. This study includes a graph of personality traits and inventories of study skills, interests, and social attitudes. Through interviews the results of these inventories and their relation to teaching are made evident to the student, who is carefully shown the responsibilities he is about to undertake as a teacher. As these analyses are meant to be aids in specialized guidance rather than criticism, the information they contain, considered confidential, is used only for professional purposes.

This service is extended to students at any time while they are enrolled in the College or to high school seniors planning to enter college. It is of particular value to college freshmen.

THE ALUMNI

Alumni Association membership numbers more than sixty-five hundred. Many of these graduates are engaged in the teaching profession in Western Pennsylvania, but this group is also represented in many other states. Commencement week provides special opportunities each year for returning alumni to visit the campus. During the year meetings are held to discuss various problems of the Association and to plan special issues of *The Alumni Bulletin*. Published four times a year, this Bulletin serves as the official publication of the Association.

The officers of the Alumni Association for 1956-57 are

George Roadman	.....	<i>President</i>
Joseph Keifer	.....	<i>First Vice President</i>
Jack Birch	.....	<i>Second Vice President</i>
Fred E. Bryan	.....	<i>Third Vice President</i>
Rhoda Grimm	.....	<i>Recording Secretary</i>
Hazel Carson Fulmer	.....	<i>Financial Secretary</i>
John R. Gregg	.....	<i>Treasurer</i>

The Board of Directors is composed of

George Gieske	Dickey Broeseker
James Revetta	Anna Shock
Edna DeYarman	Charles Keller
Jean Donakey	Marjorie D. Campbell
Martha McKee	Harry Cornell
Richard Grove	Charles Saylor

Six Members At Large

Ralph Glott	Merrill Campbell
Wilbur Gailbrath	Alvin J. Oldham
Andy W. Kovacs	Jack Hoyes

Michael Duda, ex-officio, President, State Teachers College
George Roadman, ex-officio, President, Alumni Association

The Alumni Association has the whole-hearted cooperation and support of the faculty and the officers of the administration.

SCHOLARSHIPS AND LOANS

STATE SCHOLARSHIPS

Holders of State Scholarships may attend State Teachers Colleges and use the Scholarship award toward meeting their expenses. The Senatorial Scholarships do not apply to State Teachers Colleges.

THE STUDENT LOAN FUNDS

STUDENT LOAN FUND

A small loan fund was established by the Class of 1927 for the purpose of giving financial assistance to worthy students. From time to time various groups of individuals have contributed money until the fund amounts at present to approximately \$12,500. Donors of amounts of \$100 or more are as follows:

Class	of	1926	Class	of	1935
Class	of	1927	Class	of	1936
Fayette Co. S. S.		1927	Class	of	1938
Class	of	1928	Mary Graham Noss Fund		
Class	of	1929	J. B. Smith Alumni Chapter		
Monocal		1930	California Coterie Club		
Class	of	1932	Class	of	1941
Monocal		1934	Class	of	1944
Class	of	1934	Dauna Lyn Bowlen		

These funds are held in trust by a Board of Directors made up of two alumni and three faculty members. The following officers were appointed for 1956-1957: William C. Grimes, chairman, Mrs. Irene Stevens Edwards, Dr. Michael Duda, Paul N. Walker, and Aaron J. Hoover, secretary-treasurer. All contributions should be sent to one of these persons. Arrangements for a loan should be made with the secretary-treasurer.

Students may obtain aid only during the last half of their college careers. The committee, in granting loans, takes into consideration scholarship, personal worthiness, and professional attitude.

Students who cannot provide for themselves financially during their first year at the College should reconsider their plans to enter.

MEMORIAL FUNDS

Gifts or bequests to the Student Loan Fund amounting to \$1,000 or more, given in memory of individuals, provide the basis for the Memorial Funds. The funds now include:

THE LEE AND CLARA SMITH MEMORIAL FUND

The Lee and Clara Smith Memorial Fund was established by the bequest of Lee Smith, a former trustee, and from his sister, Clara Smith, of the class of 1890.

THE P. W. MORGAN MEMORIAL FUND

The P. W. Morgan Memorial Fund was established by Peter W. Morgan in memory of his father, L. W. Morgan, one of the founders who served as a trustee until 1912, and his sister, Elizabeth Morgan, of the class of 1885 and also a former trustee.

THE MARY GRAHAM NOSS MEMORIAL LOAN FUND

This small fund, sponsored by the Mary Graham Noss Loan Board of the Alumni Association, is designed to aid students during the first two years of their college work through the granting of loans. The money is deposited with the treasurer of the Student Loan Fund in a separate account known as the Mary Graham Noss Loan Fund.

The selection of students to receive assistance under this fund is made by the Board of Directors of the Student Loan Fund.

Only high school graduates in the upper half of their class are eligible to apply for loans. Loan recipients are expected to maintain a satisfactory academic standing while attending college. The loans are repayable to the treasurer of the Loan Fund with interest beginning six months after the completion of the requirements for the degree.

Applicants should direct their inquiry to the Dean of Instruction at the College.

STUDENT DEVELOPMENT

To give himself valuable experience, the student is required to assume as large a share of responsibility through self-direction as is practical. To accomplish this, various organizations, including such groups as the Student Activities Association, the Student Cabinet, the Student Congress, the Day Women's Council, the Day Men's Council, the Dormitory Women's Council, and the Dormitory Men's Council have been established on the campus.

The College candidly faces its responsibility for the development of those social, cultural, intellectual, and spiritual qualities that are vital in teaching. Every means in the classroom and on the campus is pointed to the fulfillment of this objective. It is the function of the offices of the Dean of Men and the Dean of Women to cooperate with the departments of instruction and with other college agencies in achieving this result.

The College assumes that the young men and young women of college age who obtain admission to the institution know what constitutes intelligent moral conduct. Students who fail to maintain such a standard, as judged by the student councils and college authorities, will not be permitted to remain. For carrying out the spirit which prevails and the regulations which have been established, each dormitory group, and the commuting men and women in their groups, select their own councils and, cooperating with their respective deans, share in the government of the College. An efficient student government and a pleasant, congenial spirit have resulted.

ADVISORY SYSTEM

The College gives particular attention to the new student. By means of tests and interviews, efforts are made to determine the interests and abilities of each student. The results of these tests and interviews are available to every faculty member concerned.

While faculty members are called upon to assist with the guidance program, certain members have been assigned the following definite responsibilities:

1. The Dean of Instruction assumes responsibility for educational guidance: selection of curriculums, course requirements, certification requirements, student load.

2. The Deans of Personnel are responsible for social adjustments: housing, organization of commuting students, religious activities, social activities and development of study programs.
3. A Veterans' Clerk has been designated as Veterans' Adviser to deal with special problems relating to veterans.
4. Each faculty member is assigned a number of students as advisees and maintains office hours for the guidance and advisement of these students. The schedule of office hours of all faculty members is posted in the Office of the Dean of Instruction. Students are encouraged to consult their advisors at frequent intervals during the semester.
5. Health guidance is the primary responsibility of the resident nurse and College physician.

At the beginning of the school year, each first-year student is assigned to a faculty advisor, whose function is to be of service during the years of college life. The advisor studies the educational and social background as well as the aptitudes and interests of the assigned advisee in the regularly scheduled conferences.

RELIGIOUS ADVANTAGES

Though affiliations with particular sects are avoided by the authorities of the College, every endeavor is made to interest students in religious work and to develop a clean, wholesome, moral atmosphere. On Wednesday evenings the "Student Fellowship" meets. Students are expected to attend the churches of their choice on Sunday mornings.

CHURCHES

There are churches of the following denominations in California: Baptist, Christian, Methodist, Nazarene, and Presbyterian. A Jewish Synagogue is also located in the borough. There is a Roman Catholic church in Coal Center, about one mile from the campus.

SOCIAL LIFE

Through receptions, parties, teas, dances, and other social events held frequently during the college year, every possible effort is made

to bring about a wholesome and homelike atmosphere among the students. The Colonial Room and the Vulcan Lounge aid considerably in developing a stimulating social life. The whole program is designed to stress the importance of a teacher's being prepared to meet the social amenities.

To control the situations that sometimes develop at social functions, persons not enrolled as students at the College are admitted to parties, dances, and similar functions only as guests of faculty members or of students. Guest cards must be obtained by the student giving the invitation before four o'clock on the day of the event, at the office of the Dean of Men or of the Dean of Women.

Complete information about the rules and regulations that govern dormitory students may be obtained from the Dean of Men or the Dean of Women. *The Vulcan*, the student handbook which is issued annually and given to each student upon registration in September, contains detailed information concerning activities and organizations.

STUDENT ACTIVITIES

Student activities develop initiative, co-operative effort, and leadership. The College encourages a varied program and works with the students through the offices of the Dean of Men and the Dean of Women in achieving the desired results. All students are required to take active part in one activity one semester each year.

The following are the significant student activities on the campus:

ACTIVITY:

Alpha Phi Omega (National Boy Scout Service Fraternity).

ATHLETICS

Baseball
Basketball
Football
Softball
Tennis
Women's Athletic Association

SPECIAL INTEREST CLUBS

Biology Club
Discussion Club
Chemistry Club
Childhood Education Association
Geography Club

Mathematics Club	HONOR SOCIETIES
Photography Club	Alpha Psi Omega
Radio Club	(Dramatics)
Rifle Club	Epsilon Pi Tau
Veterans' Club	(Industrial Arts)
Varsity Club	Kappa Delta Pi
MUSIC	(Scholastic)
College Band	Phi Sigma Pi
Men's Glee Club	(Men's Scholastic)
Mixed Chorus	Pi Gamma Mu
Women's Glee Club	(Social Studies)
SOCIAL GROUPS	Sigma Alpha Eta
Gamma Pi Chi	(Speech Correction)
Monvalea	GOVERNING GROUPS
PUBLICATIONS	Student Activities Association
<i>Tower Times</i> (Newspaper)	Student Congress
<i>Monocal</i> (Yearbook)	Athletic Council
<i>The Industrial Arts Leader</i>	Housing Governing Groups
(Industrial Arts Department)	Men Day Students' Council
<i>The Vulcan</i> (Handbook)	Women Day Students' Council
DRAMATICS	Dormitory Men's Council
College Players	Dormitory Women's Council
FORENSICS	
Discussion Club	

HEALTH EDUCATION AND ATHLETICS

HEALTH EDUCATION

Each student is required to take courses in health education, which includes instruction in gymnastic activities, swimming and personal hygiene.

The health education program is not conducted with the idea of developing professional athletes but of familiarizing students with a number of activities, in some of which, it is hoped, they will find an interest that may be carried over into their work as teachers and into their personal lives.

He who expects to be a leader of boys and girls should know many games, because young folks enjoy variety. With this idea in view, a varied intramural sports program is conducted. This includes instruction in apparatus, archery, baseball, basketball, boxing, eurythmics, folk dancing, fencing, hockey, marching, primary games, relays, speed ball, tennis, tumbling, touch football, track, volleyball, and wrestling.

Uniform gymnasium dress for men and women is required. The approved uniforms may be purchased from the campus Book Store. The cost of a woman's uniform, which consists of a one-piece suit and socks for the gymnasium, is approximately \$6.00. In addition, each student must provide herself with rubber-soled gym shoes. A short coat or heavy sweater and slacks will be necessary for the outdoor work in the fall and spring, and a pair of stout, low-cut shoes for hiking will also prove useful. Men students may purchase the regulation athletic shorts and shirts at the College Book Store for approximately \$3.00. They must provide themselves with rubber-soled gym shoes for gymnasium work.

In addition to the required health education courses, an extensive intramural athletic program is sponsored for advanced students.

Veterans may be granted physical education credits for their military service by an evaluation of their military record. During the first semester in attendance the veteran is expected to furnish the Dean's Office with a certified or photostatic copy of his service record, if credit for military service is desired. After the first semester veterans will be required to schedule credit courses in physical education until the evaluation has been completed.

HEALTH SERVICE

The Health Service at the College, directed by the College physician and attended by a resident registered nurse, provides dispensary care and limited infirmary service. The dispensary, located in North Hall, is well equipped to handle emergency situations. Students who are ill enough to be confined to bed may be cared for in the infirmary. Several local physicians are subject to call in case of necessity.

The College infirmary is well equipped with adequate waiting rooms, examination and treatment rooms, X-ray and individual recovery rooms and an isolation room.

Students are advised that, after the initial consultation and first aid treatment by the college physician and the nurse, subsequent attention and care must be given by or under the advice of an outside physician of the student's choice. All expenses for such treatment and for medicine must be paid by the student.

All students must undergo general physical examination conducted once each year by local physicians, with the assistance of the resident nurse and the members of the Department of Health Education. Periodically, certain examinations, including X-ray examinations for tuberculosis, are given through the cooperation of the State Department of Health.

HEALTH INSURANCE

California offers two plans of student insurance which cover the student from the first day of school until the close of school in the spring.

1. Accident Reimbursement—Reimbursement will be made up to \$500 for each accident. It makes no difference whether the accident occurs at college, at home or while traveling or participating in sports. Expenses include x-rays, hospital bills, nurses', physicians' and surgeons' fees, laboratory costs, medicines, and, in fact, any medical expense incurred as a result of an accident.
2. Accident and Sickness Reimbursement—Reimbursement will be made for actual medical expenses, not to exceed \$500 for each illness.

The Student Insurance Plans supplement the College Health Program by protecting the student from the expense of the more costly illnesses and injuries requiring hospital care, surgical treatment, x-ray examinations or consultants' services. Complete information is available in the Office of the Dean of Instruction.

ATHLETICS

Although the College emphasizes intramural athletics, it also sponsors a rather complete program of intercollegiate sports. Students have the opportunity of being on varsity teams in football, basketball, baseball, rifle, and tennis. Varsity schedules usually include colleges in Pennsylvania, Ohio and West Virginia.

Football and baseball are played on an athletic field adjacent to the main campus. Splendid facilities for basketball are available on two regulation playing floors, one in the main part of Herron Hall, the college gymnasium, and the other in the East Wing. Excellent swimming facilities are available in a regulation pool in Herron Hall, East Wing. Tennis is played on six hard-surfaced courts adjacent to the football field.

Although the College believes in and encourages intercollegiate sports, it does not permit them to come before study in the life of the student. The eligibility code of the Board of Teachers College Presidents is strictly enforced. Rigid administrative supervision is given to all varsity sports and a high standard of scholarship maintained.

A complete statement of the rules and regulations established by the Board of Presidents that govern athletic competition is given in *The Vulcan*, the student handbook.

HOUSING FACILITIES

The college dormitories, under the supervision and direction of the Dean of Men and the Dean of Women, are provided for the comfort and convenience of resident students.

Rooms are furnished with beds, chairs, tables, study lamps, dressers and wardrobes. The beds are supplied with sheets, pillow cases, blankets and bedspreads. Students must supply their own towels and such personal effects as they desire. Laundry should be marked with printed or woven name tabs.

Because of the facilities the amount of service furnished is limited. It does not include clothing.

A room may be reserved in advance by sending the reservation deposit of \$10 to the Bursar, with an indication of the type of room desired. No room will be reserved without a deposit. Reservations will be held until three o'clock on the afternoon of the day of registration. At that time, the reservation will be withdrawn unless the student has notified the College by letter, telephone, or telegram of his intention to arrive later. The deposit will not be returned unless application is made at least three weeks prior to the opening of the College or unless the applicant is refused admission. Upon registration the fee is applied to the student's regular account.

DORMITORIES FOR WOMEN

North Hall, built in 1874, was completely remodeled and made fire resistant in 1951, and serves as a Women's Dormitory. The first floor is occupied by the Colonial Room—a gracious living room—and the infirmary. The second and third floors have spacious living accommodations for 96 women students and an apartment for the Dean of Women.

South Hall has been reconverted to use as a dormitory for women. This building was recently remodeled and made attractive and fire resistant.

DORMITORIES FOR MEN

Johnson Hall, a new men's dormitory, located on Hickory Street, near the athletic field, houses 125 men. It includes an apartment for the Dean of Men, beautiful lounges, recreation and service rooms. The building is fireproof and modern in every respect; the furnishings throughout are entirely new.

Dixon Hall, a dormitory for men, houses 95 students. The ground floor provides facilities for the commuting men. The beautiful Georgian Dining Room, with a seating capacity of 425 persons, is situated on the first floor of Dixon Hall.

ACCOMMODATIONS FOR COMMUTING STUDENTS

Students who commute have modern and convenient quarters. Lockers protected by combination locks are provided for the safety of student's clothing and personal property.

The large ground-floor rooms of North Hall are headquarters for women students who commute. They are attractively furnished with study tables, chairs, and studio couches, and equipped with lockers, showers, and hair dryers. The entire floor was recently redecorated.

Commodious facilities for men who commute are at present on the ground floor of Dixon Hall.

LIVING OUTSIDE DORMITORIES

Students will not be permitted to room or board outside the dormitories, except in the homes of parents, grandparents, brothers,

sisters, uncles, or aunts, *unless special permission has been granted by the Dean of Men or the Dean of Women*. Arrangements must be made with the proper dean before rooms are engaged. Students will not be permitted to room in houses which have not been approved by the Housing Committee.

All women living away from home in off-campus housing will be directly under the jurisdiction of the Dean of Women. Permission to eat in the College Dining Room while living in town must be approved by the President. Any change of address must be approved by the proper Dean before becoming effective.

VETERANS AT CALIFORNIA

The educational opportunities for Korean Veterans, authorized by Public Law 550 and, in special cases Public Laws 16 and 894, are available. The College is cooperating with the Veterans' Administration in offering the regular curriculums to those desiring to prepare to teach in the elementary, secondary, atypical or industrial arts fields.

Graduates of approved four-year high schools are admitted to these educational programs upon application, in conformity with the established entrance requirements.

The evaluation of military and naval training into college credits will be made by the Dean of Instruction and a faculty committee, in accordance with the policies of the Board of Presidents of the State Teachers Colleges and the recommendations of the American Council of Education as set forth in *A Guide to the Evaluation of Educational Experience in the Armed Services*. It will be necessary for the student to furnish certified copies of his record. Persons desiring such evaluations should consult the Dean of Instruction before the registration period. All evaluations are tentative until the student has been in residence one semester.

Correspondence courses completed through the United States Armed Forces Institute will be accepted toward a degree, provided they satisfy the requirements of the curriculum.

SUMMARY OF STEPS FOR ADMISSION

Please request the proper forms for admission from the Director of Admissions, State Teachers College, California, Pennsylvania. The last page in the bulletin may be used for this purpose.

Freshman Applicants

1. Complete and mail these forms to the Director of Admissions.
 - a. Application and Personnel Record (Blue form)—By the applicant. Your signature is required on this form. ~~Please attach a small photo on back of form, upper right hand corner.~~ OMIT
 - b. Medical Record (Yellow form)—By the physician.
 - c. Record of your Secondary School Work (White form)—By the High School Principal. If you are still attending high school, have your High School Principal complete the form up to the present date.
2. Anyone who has mailed any of the application forms to the college will be requested by the Director of Admissions to come to the college on scheduled dates for tests and interviews. Prospective students should feel free to come to the Admissions Office, without being requested to do so by the college, for information or at any time between the hours of 8:00 a.m. and 4:45 p.m. on week days and on Saturdays from 8:00 a.m. until noon. Room arrangements for dormitory rooms should be made with the Dean of Women or the Dean of Men.
3. You must do the following before you will hear from the Admissions Committee regarding your application or your tests:
 - a. Have ALL (3) of your application forms on file with the Director of Admissions, picture attached.
 - b. Have had a personal interview and the placement examinations at the college. Feel free to write, call, or visit the Admissions Office at any time.

Students With Advanced Standing

1. File the application forms with the Director of Admissions, State Teachers College, California, Pennsylvania, according to the above directions.
2. Submit an official transcript of the work taken at another college, together with a statement of honorable dismissal. This information must be sent directly from the other college to the Admissions Office. Persons who have been dismissed for scholastic deficiencies or for disciplinary reasons from another college or university will not be admitted to the College until they are eligible for re-admission to the institution from which they were dropped.
3. After all of the above information is on file with the Director of Admissions, you will be requested to come to the college for a personal interview and placement examination on regularly scheduled dates.
4. Bring a transcript with you if you visit the college voluntarily. Your credits can then be evaluated and a program more easily planned for you. A 1.0 quality point average or better is required. Where the grades are marked on a percentage basis, work graded five per-cent above the minimum passing grade will be accepted.

Test And Interview Dates →

The following dates have been established for the freshmen interview and placement tests:

Admission for January 1957⁷⁹
 Thursday, November 15, 1956
 Wednesday, January 9, 1957
 Admission for Summer and
 September 1957⁷⁹
 Tuesday, March 5, 1957
 Saturday, April 13, 1957
 Tuesday, May 7, 1957
 Thursday, June 20, 1957
 Wednesday, July 24, 1957

Admission for January 1958⁶⁰
 Thursday, November 14, 1957
 Wednesday, January 8, 1958
 Admission for Summer and
 September 1958⁶⁰
 Tuesday, March 4, 1958
 Saturday, April 19, 1958
 Tuesday, May 6, 1958
 Thursday, June 19, 1958
 Wednesday, July 23, 1958

Aug 15

~~3~~ given in the morning, interview in the afternoon.

ADMISSION

35

Lunch may be obtained at the College Snack Bar. Tests are given at 8:30 a.m. Interviews begin at 1:15 p.m. Please arrive early as parking facilities are limited. *generally*

~~A~~ Requirements for Admissions →

1. *General scholarship* as evidenced by graduation from an approved secondary school or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction. College authorities will make an appraisal of the student's detailed secondary school record in order to determine his capacity to do satisfactory college work. For all students whose scholastic rank is in the lower half of the high school class, the college shall require further evidence from the results of a reliable aptitude test, such as the American Council on Education Psychological Examinations. (On this test, for example, many students falling below the 25th percentile appear to have difficulty in achieving academic success in college.)
3. *Satisfactory character and personality* traits as well as proper attitudes and interests as determined by the high school principal, guidance director or other school official acquainted with the student.
4. *Health and physical condition* as evidenced by a health examination by the student's family physician reported on the adopted form and approved by the college physician. No student shall be admitted who has, in the opinion of the college, disabilities which would impair his service as a teacher.
5. *Recommendations* of two or more college staff members following a personal interview of the applicant.
6. For admission to special curricula the college may require the candidate to take an appropriate aptitude test in the special field in order to obtain further evidence of ability to succeed in the student's chosen field.

~~B~~ Testing →

1. To assist in the counselling of students the college shall require each freshman to take a recognized aptitude test

such as the American Council on Education Psychological Examination and a test on Communications such as the Cooperative English Test published by the Educational Testing Service.

- STEP.
2. In order to determine the student's achievement for further guidance, the college may administer to all sophomore students the ~~Cooperative Tests in English, Contemporary Affairs and General Culture~~ published by the Educational Testing Service. A careful study of each individual student by selected faculty members near the close of the sophomore year is also recommended.
 3. In order to measure the academic success of the student as well as the effectiveness of the instructional program of the college, the college may administer, at the request and expense of the student, a recognized terminal test.

C. *Revision*

1. The testing and admissions program shall be reviewed annually in January of each year and proposed changes submitted to the Board of Presidents for consideration at that time.

APPLICATION OF THE ADMISSION REQUIREMENTS

1. GENERAL SCHOLARSHIP

The applicant must have been graduated from a four-year high school of accredited standing or an institution judged by the Secondary Education Evaluation Division of the Department of Public Instruction, Harrisburg, Pennsylvania, to be the equivalent.

ALL
All applicants take the Freshmen Placement Tests at the time of the interview. An applicant ranking in the lower half of his secondary school class may be admitted on probation, provided that

- a. he is recommended by his secondary school superintendent or supervising principal as being able to do creditable college work.
- b. he shows a satisfactory rating on scholastic aptitude tests administered at the College.

The applicant who meets these provisions may be admitted on probation for one semester and retained only if he makes, during the probation period, a satisfactory academic record.

2. **COMMAND OF ENGLISH** and other evidence of intellectual fitness.

Students who demonstrate a lack of competency to carry college work in English fundamentals or other subjects may be required to take remedial courses without credit.

3. **CHARACTER AND PERSONALITY**

The candidate must be recommended by the ~~superintendent of supervising principal~~ of his secondary school for trustworthiness, initiative, industry, cleanliness and social adaptability.

*High School
Principal
or guidance
Counselor*

4. **HEALTH**

The applicant must possess a clean bill of health, together with evidence of emotional stability, of absence of physical defects which would interfere with his successful performance of the duties of teaching, and of absence of a predisposition toward ill health. He must present a certificate of examination furnished by the College and signed by a physician legally qualified to practice medicine in the Commonwealth of Pennsylvania. This form will be checked by the examining physician at the College. The student may be required to undergo re-examination.

The applicant may be rejected for

- a. Incurable defects or diseases of the heart, lungs, kidneys, digestive system, nervous system, skin, organs of the special senses, and the thyroid gland, and for epilepsy or nervous instability.
- b. Defective vision of marked degree.
- c. Permanently impaired hearing
- d. Marked speech defects
- e. Unsightly deformities
- f. Marked obesity

Students with remedial defects may be accepted on condition that immediate treatment be undertaken for the removal of these defects.

5. THE PERSONAL INTERVIEW serves two purposes:
 - a. It gives the examining committee an opportunity to appraise the applicant's professional promise.
 - b. It supplies material concerning the applicant's personality, speech habits, social presence, and enthusiasms, which can later be used to his advantage.

The interview will be conducted at the College or elsewhere at ~~times designated by the President.~~

on the established test dates.

ADMISSION OF OUT-OF-STATE AND FOREIGN STUDENTS

Out-of-state and foreign students may be admitted to the College when their admission and instruction does not interfere with the admission and instruction of students resident in the Commonwealth. In the cases of foreign students, admission will depend upon acceptable clearance from the education authorities of the countries concerned and of the Department of State of the United States.

CREDITS AND GRADING SYSTEM

CREDITS

Courses are recorded in terms of "semester hours of credit." A semester hour or credit represents one hour a week of recitation or lecture throughout a semester of eighteen weeks. In laboratory courses, however, a ratio of two, three, or four hours of laboratory work for one credit prevails, according to the department. Varying amounts of required outside work are also assigned so that where the total number of credit hours is stated to be 16 or 17, the number of clock hours a week may total as high as 30, 32, or more. Descriptive titles and credit values of courses appear in the section of this bulletin devoted to description of courses.

EXCESS CREDITS

Students who wish to carry more than the usual schedule of 16 to 17 semester hours must apply for and be granted permission from the Committee on Advanced Standing or the Dean of In-

struction at the time of registration. Excess credits, whether taken in the College or in another institution, will not be honored when these are taken without the approval of the Committee or the Dean except that students in their last semester before graduation are given special consideration. In reviewing applications for permission to carry excess credits the Committee or the Dean will give consideration not only to the academic standing of the applicants, but also to their health records and extra-curricular activities.

The following conditions, based upon the student's record of the preceding semester in residence, have been established as the basis for permission to carry excess credits:

Quality point	Total credits-
1.50 average	scheduled
2.00 to 2.49	18 credits
2.50 to 2.74	19 credits
2.75 to 3.00	20 credits

EXTENSION CREDITS

The College will accept for graduation a limited number of extension credits from other accredited institutions only when those credits have been earned in courses taught by persons who were then giving their full time to extension instruction in such institutions or to a combination of extension and campus instruction. Usually not more than the equivalent of one year's work of 32 semester hours in extension courses will be accepted toward a degree.

If there is a demand for credit courses at places too far distant from California for students to attend Saturday campus classes, arrangements may usually be made for one or more classes by extension. Requests should be made to the Dean of Instruction not later than one month preceding the opening of the semester.

CORRESPONDENCE COURSES

Credits for correspondence courses are not accepted except for members of the armed forces submitting records through the United States Armed Forces Institute, Madison, Wisconsin.

SATURDAY CLASSES

Saturday classes are scheduled for the benefit of teachers-in-service. Regular students may schedule these classes if they so de-

sire. Inquiries about the courses scheduled should be addressed to the Dean of Instruction.

SUMMER SESSION

The College operates on a three-six-three weeks' basis during the summer. Courses are given for students who wish to accelerate their programs, for teachers-in-service, and for students wishing to remove deficiencies. Inquiries about the courses offered should be addressed to the Dean of Instruction.

SUMMER SESSION CREDITS

College rules, in keeping with regulations of the State Department of Public Instruction, sanction only one credit a week during a summer session; that is, six credits during a six weeks' and three credits during a three weeks' session.

In exceptional instances students who are attempting to complete degree requirements during a summer session may be given permission by the Dean of Instruction to carry more than the maximum number of credits, provided that previous scholastic records warrant such consideration and that in no instance will the total number of credits be out of proportion to good practice.

Students are advised not to take more than a credit a week during summer terms at other colleges if they expect to use credits thus earned toward degrees from this college. Regular students planning a summer session at another college should consult the Dean of Instruction before registering.

EVALUATION OF CREDITS

An evaluation of credits is considered valid only for the year in which the distribution is made. The situation exists because of frequent changes in regulations governing the value of credits and in the requirements for certification and graduation made by the State Department of Public Instruction, the State Council of Education, and the Board of Presidents of the State Teachers Colleges. Students are urged to keep themselves informed about their distribution by occasional inquiry, other than at registration periods, at the Office of the Dean of Instruction.

Students who are not graduates of first-class four-year secondary schools must have their credits evaluated by special procedure. Persons to whom this applies should consult the Dean of Instruction.

NORMAL SCHOOL CREDITS

All persons who were graduated from a State Normal School prior to September 1927, and who have a four-year secondary school education will be granted for their academic work not more than 68 semester hours of credit toward a degree.

Students who were graduated from a State Normal School before four years of secondary school preparation were required and who still have not satisfied this requirement should apply to the Secondary Credentials Division of the Department of Public Instruction, Harrisburg, Pennsylvania, for information about obtaining a secondary school equivalent certificate, which, when issued, will be accepted by the College for admission to a degree curriculum.

ADVANCED STANDING CREDIT

Credit for advanced standing is not allowed for work done by correspondence, nor will credit be given for courses which are not equivalent to those required or approved in the curriculums offered at this college or for courses completed at other colleges or universities in which grades below C were earned. All credits of students who apply for admission with advanced standing must be approved by the Dean of Instruction. Credits from colleges not approved by the Department of Public Instruction of Pennsylvania will not be accepted toward either certification or graduation.

SCHOLASTIC STANDING

Students who are unable to do satisfactory academic work in any semester are placed on probation. The schedules of such students are reduced from 16 or 17 ^{or 18} credits to 14 credits. When students, in spite of reduced schedules and remedial services offered by the College, are not able to improve the quality of their work to such an extent that they have a reasonable chance of being graduated, they may at any time, upon the recommendation of the Dean of Instruction, be asked to withdraw from the College. Students thus dropped may, after a reasonable period of absence, apply for readmission; if in the opinion of the Dean, the chances of their doing successful work appear to be favorable, they may be readmitted on probation for a final trial.

Students who find it necessary to have full time employment while attending classes are limited to 12 credit hours unless given special approval by the Dean of Instruction.

The Scholarship Committee of the faculty has established certain "Minimum Scholastic Standards." They are published in *The Vulcan*, the student handbook.

CLASSIFICATION

Students are classified as freshmen when they have earned 32 or fewer credits; as sophomores when they have earned 33 to 64 credits inclusive; as juniors when they have earned 65 to 96 credits inclusive; and as seniors when they have earned 97 to 128 credits.

The credits used to determine the classification of students include those earned at this College and those accepted by the College from other accredited institutions on the basis of official transcripts.

GRADING SYSTEM

- A* indicates superior attainment.
- B* indicates attainment above the average.
- C* indicates average attainment.
- D* is the lowest passing grade.
- F* indicates failure.
- P* indicates passing. (used for required preparatory courses, library, orientation, physical education, and student teaching courses.)
- Inc* indicates incomplete work.
- W* indicates withdrawal from a course.

For the purpose of interpreting percentage grades into letter grades, the following local standards have been approved by the faculty.

95% to 100%	— A
88% to 94%	— B
76% to 87%	— C
70% to 75%	— D
Below 70%	— Failing

The symbol *Inc* is not used unless the student has been in attendance throughout the semester or session but because of personal illness, covering two or more consecutive weeks, the student is not able to meet the requirements of the course at the end of the session. It indicates that as the work is incomplete the final grade is being withheld until the student fulfills all the requirements

of the course. It is only used when conditions and circumstances warrant and when evidence is presented to justify its being given. An *incomplete* is always accompanied by a supplementary symbol indicating the character of the work already done: *IncB*, *IncC*. The following conditions govern an incomplete:

1. It must be removed by arrangement between the student and the instructor in the session, either semester or summer, immediately following.
2. After the lapse of one term, semester or summer, the grade may be changed only upon approval of the Dean of Instruction.
3. After the lapse of one year, the incomplete grade automatically becomes a grade of F and cannot be removed without the student's repeating the course.

The grade *W*, which is used to indicate withdrawal from a course, is subject to the following conditions:

1. Up to the end of the sixth week of classes, the withdrawal will be recorded as *WX*, indicating the student's withdrawal before the instructor was able to determine success or failure.
2. From the end of the sixth week through the twelfth week the withdrawal, if sanctioned by the Dean of Instruction, will be accompanied by a grade (*WB*, *WC*), indicating the quality of work which the student was doing at the time of withdrawal. REGISTRAR
3. After the twelfth week no withdrawal except in extenuating circumstances will be permitted. If a student insists upon withdrawing from a course, a grade of F will automatically be recorded.

GRADE REPORTS

Grade reports for students doing failing or low quality work are handed to the Dean of Instruction at the end of each six-week period. Such students as reported are notified of their low grades and where deemed necessary information is sent to the parents. The final semester grades are mailed to the parents.

WITHDRAWALS

Students who during a semester find it necessary to leave the College should, before discontinuing attendance at classes, confer with the President or the Dean of Instruction and with the Dean of Men or the Dean of Women. If after such conferences it is found that the student should not continue, official withdrawal forms must be filled in at the Office of the Dean of Instruction. Students who leave the College without following this routine, especially the filling in of withdrawal cards, jeopardize their status.

Withdrawal forms must be properly filled in also by students who desire after registration to discontinue part of their schedules. When students merely stop attending classes without officially withdrawing, "F" (failing) grades are required to be recorded on the permanent records.

GRADUATION REQUIREMENTS

DEGREE

All curriculums in the College lead to the degree of Bachelor of Science in Education.

CANDIDACY FOR DEGREE

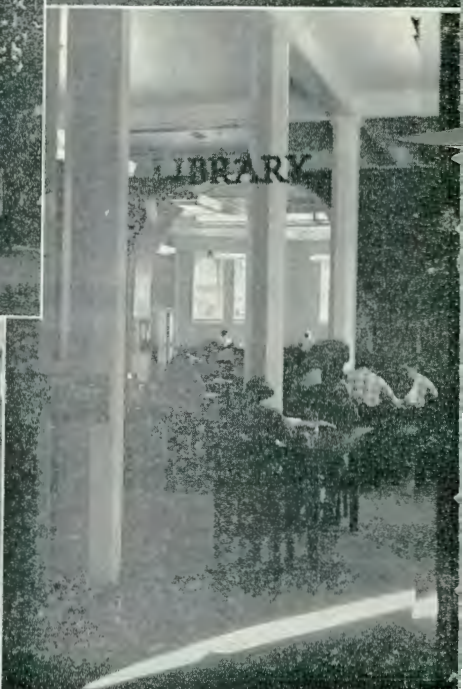
At the time of registration for the semester in which he expects to complete the requirements for graduation, the student must file with the Registrar an application for admission to candidacy for the degree.

All students who are candidates for a degree shall be required to arrange a program of studies approved by the Dean of Instruction. Any student desiring to pursue any part of this program at a different institution will be required to secure, in advance, the approval of such courses from the Dean of Instruction.

HONORS

DISTINGUISHED SERVICE AWARDS are given at the Commencement in May to the most outstanding man and the most outstanding woman of each graduating class.

COMMENCEMENT HONORS are awarded to a limited number (not more than one-eighth) of the graduating class, who receive the distinction of being graduated "*with honor.*" Of the number elected,





the distinction of some may, by a vote of the faculty, be raised to graduation "with high honor" or "with highest honor." This recognition can be bestowed only upon evidence of unusual ability as shown by scholastic records and in keeping with standards established and approved by the faculty.

SEMESTER HONORS (*The Dean's Honors List*) are awarded on the basis of quality point averages at the end of each semester as follows:

Highest Honor	3.0
High Honor	2.5 to 2.99
Honor	2.0 to 2.49

QUALITY POINT SYSTEM

As there is a quality standard for passing each course, so there is a quantitative standard for completing a curriculum. This is made possible by the establishment of a quality point system, which demands that students cannot be graduated by getting merely passing grades in each course.

The quality point system requires that a student, before he can be graduated, must complete all required and elective courses in the curriculum which he is pursuing, have the minimum number of credits required by his curriculum, and earn a quality point average of at least 1.0 (C) for all courses in which grades other than P are given. Only courses completed at this College are included in the quality point computation.

Each credit of work completed is awarded quality points which are computed according to the following scale: each credit of A grade is multiplied by 3, B grade by 2, C grade by 1, D grade by 0, and F grade by ~~minus 1~~ 0. Courses dropped without the consent of the Dean of Instruction shall constitute an F. Courses in which P grades are given do not count in quality point computation.

Students transferring to the College from some other college or university must have earned, in addition to the required resident credits, a quality point average of 1.0 for all courses taken at the institution attended previously.

FAILING GRADES

No student will be graduated with any unremoved incomplete (Inc) or failing (F) grade in any of the areas of specialization or

required courses. Students who fail such courses must repeat and pass them satisfactorily.

JUNIOR STANDING

Formal admission to Junior Standing is a requisite for continuing the program in teacher education. This marks the time when the professional work is intensified. Fourth semester students will make application for admission to Junior Standing, for which they are required to meet the following qualifications:

1. The scholastic record must be "C" average or better for the first two years' work.
2. A "C" average must be attained in English courses or a satisfactory score made on the Sophomore English Test. Students transferring English credits must pass the Sophomore English test.
3. Adequate background as measured by the Sophomore Tests in English, General Culture, and Contemporary Affairs must be shown. Students who rank low in all three tests will be required to take an additional three-hour course, and to repeat the Sophomore Tests.
4. A personality that is satisfactory for a teacher must be in evidence. Report of members of the faculty form the basis for evaluating this factor.
5. Evidence of physical stamina and freedom from physical defects that may interfere with the duties of a teacher must be presented.
6. The voice must be pleasing and free from objectionable qualities.
7. A balanced record of extra-curricular activities must have been developed.
8. The student shall meet the specific requirements of his curriculum and the courses prescribed for the first two years.

All students in attendance their fourth semester, and students whose previous applications have not been approved, including transfer students, must make application for Junior Standing.

Transfer students must apply for and receive Junior Standing approval, which is necessary for student teaching within one semester after transferring.

RESIDENCE REQUIREMENT

Students in all curriculums must complete a minimum of 32 credits, in courses given by the College, if they expect to receive degrees from this institution. These credits may be gained on the campus in regular day, evening, or Saturday classes; 25 per cent of the number of credits required may be in extension courses given by the College.

The last 32 credits necessary for a degree must be taken in courses offered at California in accordance with action taken by the Faculty.

CITIZENSHIP

In keeping with legislative provisions, a student, to be eligible for a diploma or a teacher's certificate, is required to present evidence of citizenship of the United States. If he is not a citizen of the United States at the time of his admission, he is required to become naturalized before he may be graduated.

STUDENT TEACHING

Student teaching is conducted under the supervision of the Director of Student Teaching, whose office is located in the Theodore B. Noss Laboratory School. Students who are candidates for degrees are required to earn 12 semester hours of credit in student teaching. For regular students this assignment covers the entire semester of 18 weeks. The work is carried on in the campus Laboratory School and in selected public schools located in the service area of the College.

Students must make application for student teaching by filling out a form obtainable through the office of the Director of Student Teaching. A registration day is held for such students before the close of the semester preceding the term during which the student teaching is scheduled.

Before any student may be assigned to this vital part of the teacher-education curriculum, he must (A) hold a certificate of

Junior Standing; (B) have a quality point average of at least 1.0 for all courses in which grades other than P are given; (C) demonstrate an acceptable standard of competency in his area of specialization; (D) be approved by the Dean of Instruction as having satisfactorily completed the required preparatory work; (E) have completed 2/3 of his major and minor field.

Students will not be assigned to student teaching until they have completed at least one semester's work (15 credits) in this College. Graduates of other colleges, coming for certification only, must also meet the residence requirement before being assigned to student teaching. No student teacher will be permitted to carry credit courses during the student teaching assignment except in unusual cases and with the consent of the Director of Student Teaching and the Dean of Instruction.

STUDENT TEACHING FOR EXPERIENCED TEACHERS

Teachers with three or more year's experience in teaching who become candidates for degrees and who hold certificates below the level of the Provisional College Certificate may, at the discretion of the College, complete the unfulfilled student teaching requirement for degrees in any of the following ways:

1. Earn in actual teaching the number of hours required.
2. Perform under the direction of this institution an assignment associated with their professional work which carries not less than one or more than six semester hours of credit in a single semester. The number of credits will be determined by the quality and amount of work done in the special assignment. In such cases the candidate must be regularly registered in the institution and may not earn more than a total of six hours of credit in a single semester for all courses pursued.
3. In individual cases, pursue, to the limit of three semester hours, courses approved by the College. The rest of the credit shall be earned in one of the ways designated above, or by a combination of them.

No credit toward graduation is granted for teaching experience.

Teachers-in-service who have not fulfilled the student teaching requirement of 12 credits and who are interested in completing it must consult the Director of Student Teaching.

SUMMARY OF GRADUATION REQUIREMENTS

1. All entering students are required to complete, without credit, ten lessons in the use of the library. These assignments may be included with the work in Communications I or under the direction of a member of the Library Staff. Entering students, including transfer students, are required to attend classes in Orientation for at least one semester.
2. A minimum of 128 semester hours, including the satisfactory completion of all required courses, is necessary for graduation, together with a general quality point average of 1.0 for all courses in which grades other than P are given. Quality points are not computed for work done at other colleges or universities and only for courses taken at the College after 1931.
3. The student must be pronounced physically fit by a physician legally qualified to practice medicine in Pennsylvania.
4. The teaching ability of the student must be satisfactory to the Director of Student Teaching regardless of other credits.
5. No student will be graduated with less than one year (30 credits) of bona fide residence. The last 32 credits needed to complete a curriculum must be taken while the student is in actual attendance at the College; in no way may work at another institution be substituted for this requirement.
6. Students who have not paid all bills previously incurred shall not be permitted to re-enroll, to be graduated, or to have credits sent to other institutions or to the Department of Public Instruction until all such accounts have been paid. The records of such students are "sealed" and no information will be given until cleared.
7. All credentials for graduation, including certificate application and transcripts of credits from other institutions, must be filed on or before the first day of the semester or summer session in which a student expects to be graduated.

If this requirement has not been met, graduation and certification will be postponed to the following graduation date.

8. Students must register with the Placement Service by filling out in every detail the registration form supplied by the Placement Service, which is located in the Noss Laboratory School.
9. Attendance at the baccalaureate and commencement exercises is necessary, unless unusual circumstances warrant graduation *in absentia*. This permission is granted only by the President of the College.

GRADUATION

Commencement exercises are held annually at the close of the second semester, usually the last week in May. At these exercises, degrees are conferred. All students who in the full calendar year preceding have completed the requirements for degrees constitute the graduating class. All members of the class are required to participate in all the Commencement activities.

CERTIFICATION OF TEACHERS

PROVISIONAL COLLEGE CERTIFICATION

Students who receive a degree after completing a four-year curriculum at this College will be granted a Provisional College Certificate, which is issued by the Department of Public Instruction. The certificate, for which application must be made, must be issued before graduates may teach in the public schools of Pennsylvania.

This certificate, not to be confused with the diploma issued at graduation, is valid for three years of teaching. It indicates the subject or subjects and the field in which the holder is permitted to teach.

A College Certificate valid for secondary school teaching may be extended to the elementary field by the presentation of 30 semester hours of work in professional education applicable to the elementary grades; at least six of the 30 credits must be in elementary student teaching. This regulation became effective October 1, 1936.

Twelve credits of professional work applicable to the secondary school, six of which must be in student teaching, are required to

extend a College Certificate valid in the elementary field to secondary school teaching. In addition, 18 credits must be presented for each subject or field in which certification is desired.

The Dean of Instruction will be glad to confer with persons who wish to have a Provisional College Certificate extended to include industrial arts, speech correction, or the teaching of mentally retarded classes.

PERMANENT COLLEGE CERTIFICATE

A Provisional College Certificate may be made permanent after three years of successful teaching experience, rated at "middle" or better, in the appropriate field in the public schools of the Commonwealth and the satisfactory completion of at least six semester hours of additional preparation of collegiate grade, completed subsequent to the conferring of the baccalaureate degree; one-half of it must be professional and the remainder related to the subjects or subject fields in which the holder is certificated to teach.

Holders of Provisional College Certificates issued after September 1, 1935, will be required to present evidence of having completed an approved course in visual and sensory techniques before the certificates may be converted into permanent form. The regulation is not retroactive. Persons who received Provisional College Certificates prior to September 1, 1935, will have them made permanent on the basis of the requirements in effect when they were issued.

All certificates issued by the Department of Public Instruction subsequent to September 1, 1944, to teach in the public schools of the Commonwealth shall, in addition to the present regulations, require a basic course in the history of the United States and of Pennsylvania.

A Permanent College Certificate entitles the holder to teach for life the subject or subject fields indicated on its face.

TRANSCRIPTS OF CREDITS

Official transcripts, obtainable through the Registrar upon the written request of the student, will be sent only to the State Department of Public Instruction for use in obtaining certification or to institutions to which credits are to be transferred.

Only the work completed at the State Teachers College at California will be included in the transcript. Work taken at another institution should be certified directly from that institution.

One copy of a transcript of credits earned at California will be issued free of charge. A charge of one dollar is made for a second and for each subsequent transcript. This fee of one dollar will be waived for transcripts that are "to be used in connection with induction, enlistment, or advancement in the armed forces."

Transcripts cannot be prepared during the last week of the semester or during the registration period. Persons planning admission to graduate school or to transfer to another collegiate institution should file the request for transcript with the Registrar at least a month before the end of the semester. Women who have married since leaving college should give their maiden names as well as their married names.

PLACEMENT SERVICE

As part of its public service, the College maintains a placement office. Its purpose is to aid students and graduates in obtaining desirable positions as teachers and to assist school officials in locating well-qualified teachers who fit the requirements of vacancies in the schools of the service area of the College.

All students are required to enroll with the placement office when they complete their student teaching. Although the Service does not guarantee positions, records filed by the registrants open opportunities that might not otherwise be available.

Alumni are urged to use this service. Those who have been registered should, especially if they wish to advance themselves, keep their credentials up-to-date.

THE CURRICULUMS

There are three vital aspects to teacher-preparation curriculums — general education, specialized professional training, and practical experience in student teaching. The curriculums in force in all the State Teachers Colleges in Pennsylvania are designed to satisfy this conception of teacher-training.

The Board of Teachers College Presidents, with the approval of the Superintendent of Public Instruction, has enriched the curriculums of the Colleges by rearrangement of courses and the addition of courses in general education and increasing the arts and science electives. Flexibility and freedom of selection characterize the present curriculums.

THE FOUR-YEAR PROGRAMS

The curriculums offered at the College are in conformity with the general state plan. Four different curriculums are available at California — the elementary, the secondary, the industrial arts, and atypical education, each with several possible specialization areas, described on the following pages. Each curriculum requires four years' study and leads to the degree of Bachelor of Science in Education. Each requires the satisfactory completion of a minimum of 128 semester hours.

Students who entered California prior to September 1, 1951, will have their records evaluated by the Dean of Instruction. Students needing such evaluations should contact the Dean at times other than the two weeks prior to and the two weeks following a registration period.

Although the present curriculums are changed considerably from those in effect previously, teachers-in-service who are working toward their degrees need not be disturbed by the existing requirements. Their previous work will be adjusted to the present patterns without loss of credit, unless they change from one curriculum to another.

THE ELEMENTARY CURRICULUM

Effective September 1, 1951

Provisional College Certificates issued on the basis of the four-year elementary curriculum are valid for kindergarten and Grades One to Six inclusive and for Grades Seven and Eight if not in an approved junior high school or a junior-senior high school.

REQUIRED PROGRAM FOR THE ELEMENTARY CURRICULUM

For administrative reasons the sequence of courses is subject to change. The first number after each course refers to clock hours, while the second indicates the semester hours of credit.

FIRST SEMESTER		FIFTH SEMESTER			
Communication I -----	5	5	History of the United States and Pennsylvania I -----	3	3
or English I ----- (3-3)			Language Arts in the Elementary	9	9
and Speech I ----- (2-2)			Grades -----		
Professional Orientation -----	3	3	or Teaching of Reading (3-3),		
Basic Biology -----	4	3	Teaching of Language ----- (3-3)		
Health -----	2	2	Children's Literature ----- (3-3)		
World Geography -----	3	3	General Psychology -----	3	3
Electives -----	0	0	Teaching of Health -----	3	2
	17	16	Electives -----	0	0
				18	17
SECOND SEMESTER		SIXTH SEMESTER			
Communication II -----	5	5	History of the United States and Pennsylvania II -----	3	3
or English II ----- (3-3)			Child Development -----	3	3
and Speech II ----- (2-2)			Social Living in the Elementary	9	9
**Introduction to Art -----	3	2	Grades -----		
**Introduction to Music -----	3	2	or Teaching of Arith. ----- (3-3)		
Basic Physical Science -----	4	3	Teaching of Elem. Science (3-3)		
*Physical Education I -----	2	1	Teaching Social Stud. & Geog. (3-3)		
Geography of the United States and Penna. -----	3	3	Electives -----	3	3
Electives -----	0	0		18	18
	20	16			
THIRD SEMESTER		SEVENTH SEMESTER			
World Culture I -----	5	5	American Citizenship -----	6	6
or Literature I ----- (2-2)			or American Government (3-3)		
and History of Civilization I ----- (3-3)			and Home & Family Living (3-3)		
Music for the Elementary Grades --	2	2	or Introduction to Philos. (3-3)		
*Physical Education II -----	2	1	Educational Psychology and Eval-	3	3
Science for the Elementary Grades	3	3	uative Techniques -----	3	3
Art for the Elementary Grades --	2	2	Electives -----	6	6
Electives -----	3	3		15	15
	17	16			
FOURTH SEMESTER		EIGHTH SEMESTER			
World Culture II -----	5	5	Student Teaching and Direction of	30	12
or Literature II ----- (2-2)			Student Activities -----		
and History of Civilization II ----- (3-3)			Professional Practicum including	2	2
Audio-Visual Education -----	3	2	School Law -----	0	0
Teaching of Music in the Element-	4	3	Electives -----	0	0
ary Grades -----				32	14
Teaching of Art in the Elementary	4	3			
Grades -----	4	3			
*Physical Education III -----	2	1			
Electives -----	2	2			
	20	16			

TOTAL MINIMUM CREDITS REQUIRED FOR GRADUATION ----- 128

*Physical Education I, II, and III may be individual or group activity.

**All or any part of these courses may be scheduled as a part of the unit in World Culture and the corresponding semester hours added to World Culture.

SECONDARY CURRICULUM

55

THE SECONDARY CURRICULUM

Effective September 1, 1951

This curriculum leads to certification for teaching specific subjects in a senior high school or in a regularly organized junior high school. To insure the specialized preparation essential to effective teaching, it places emphasis on the arts and sciences, but at the same time gives adequate attention to professional courses. Students are required to choose two areas of study in keeping with their particular interests. These are indicated on Pages 63 to 72.

REQUIRED PROGRAM FOR THE SECONDARY CURRICULUM

For administrative reasons the sequence of courses is subject to change. The first number after each course refers to clock hours, while the second indicates the semester hours of credit.

FIRST SEMESTER				FIFTH SEMESTER	
Communication I	5	5	History of the United States and		
or English I	(3-3)		Penna. I	3	3
and Speech I	(2-2)		Audio-Visual Education	3	2
Basic Biology	4	3	General Psychology	3	3
Health	2	2	Electives	8	8
World Geography	3	3		17	16
Electives	2	2			
	16	15			
SECOND SEMESTER				SIXTH SEMESTER	
Communication II	5	5	History of the United States and		
or English II	(3-3)		Penna. II	3	3
and Speech II	(2-2)		Problems of Secondary Educa-	3	3
Basic Physical Science	4	3	tion, including Guidance	3	3
*Physical Education I	2	1	Educational Psychology and	3	3
Professional Orientation	3	3	Evaluative Techniques	3	3
Fundamentals of Mathematics	3	3	Electives	7	7
Electives	2	2		16	16
	19	17			
THIRD SEMESTER				SEVENTH SEMESTER	
World Culture I	5	5	American Citizenship	6	6
or Literature I	(2-2)		or American Government (3-3)		
and History of Civilization	(3-3)		and Home & Family Living (3-3)		
I	(3-3)		or Intro. to Philosophy (3-3)	10	10
**Introduction to Art	3	2	Electives	16	16
*Physical Education II	2	1			
***Science in Modern Civilization	3	3			
Electives	6	6			
	19	17			
FOURTH SEMESTER				EIGHTH SEMESTER	
World Culture II	5	5	Student Teaching and Direction		
or Literature II	(2-2)		of Student Activities	30	12
and History of Civilization	(3-3)		Professional Practicum including		
II	(3-3)		School Law	2	2
**Introduction to Music	3	2	Electives	0	0
*Physical Education III	2	1		32	14
Electives	9	9			
	19	17			
TOTAL MINIMUM CREDITS REQUIRED FOR GRADUATION				128	

*Physical Education I, II, and III may be individual or group activity.

**All or any part of these courses may be scheduled as part of the unit in World Culture. If combined the semester hours devoted to World Culture will be correspondingly increased.

***Not required when the first field of specialization is any science. Graduation requirements for this curriculum include specialization in not less than two teaching fields.

THE INDUSTRIAL ARTS CURRICULUM

Effective September 1, 1951

This special four-year curriculum provides shop courses in wood, metal, Graphic Arts, ceramics, machine and electricity, together with preparation in basic arts and science subjects and the professional field. Persons who complete this curriculum are qualified to teach industrial arts in the junior or senior high school and may be certificated to teach one arts or science subject in the public high schools of Pennsylvania.

The College has been designated by the Department of Public Instruction as the Western Pennsylvania center for the education of industrial arts teachers.

REQUIRED PROGRAM FOR THE INDUSTRIAL ARTS CURRICULUM

For administrative reasons the sequence of courses is subject to change. The first number after each course refers to clock hours, while the second indicates the semester hours of credit.

FIRST SEMESTER		FIFTH SEMESTER	
Communication I	5 5	Basic Biology	4 3
or English I	(3-3)	World Geography	3 3
and Speech I	(2-2)	Home and Family Living (3-3)	
Health	2 2	or Introduction to Philosophy	3 3
Fund. of Math.	3 3	Shop	8 4
Drawing and Design I	4 2	Drawing and Design	4 2
Shop I	8 4	Professional Orientation	3 3
	22 16		25 18
SECOND SEMESTER		SIXTH SEMESTER	
Communication II	5 5	History of United States and	
or English II	(3-3)	Penna.	3 3
and Speech II	(2-2)	Principles and Practices of In-	
Physica I	6 4	dustrial Arts	3 3
Physical Education I	2 1	Shop (elective)	8 4
Shop II	8 4	Drawing and Design (elective) ..	4 2
Drawing and Design II	4 2	Audio-Visual Education	3 2
	25 16		21 14
THIRD SEMESTER		SEVENTH SEMESTER	
World Culture I	5 5	American Government	3 3
or Literature I	(2-2)	Shop (elective)	8 4
and History of Civilization		Shop (elective)	8 4
I	(3-5)	Drawing and Design (elective) ..	4 2
Physical Education II	2 1	Electives	5
General Psychology	3 3		23 18
Shop	8 4		
Drawing and Design	4 2		
	22 15		
FOURTH SEMESTER		EIGHTH SEMESTER	
*Introduction to Art	4 2	Student Teaching and Direction	
World Culture II	5 3	of Student Activities	30 12
or Literature II	(2-2)	Professional Practicum including	
and History of Civilization		School Law	2 2
II	(3-3)		32 14
Physical Education III	2 1		
Introduction to Music	3 2		
Educational Psychology and Eval-			
uative Techniques	3 3		
Shop	8 4		
	25 17		

TOTAL MINIMUM CREDITS REQUIRED FOR GRADUATION 128

*An elective drawing and design course should be substituted for this course.

P.A.D. 36

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INDUSTRIAL ARTS

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INDUSTRIAL ARTS ELECTIVES

In the foregoing curriculum for the preparation of teachers of industrial arts, students must take 14 semester hours in drawing and design and 32 hours in shop courses, selected, with guidance from the Dean of Instruction, from among the following:

PROFESSIONAL COURSES		Clock Hrs.	Sem. Hrs. Credit
IA 61	Curriculum Making In Industrial Arts	4	2
IA 71	Special Problems In Industrial Arts	4	2
DRAWING AND DESIGN COURSES			
D & D 1	Introductory Mechanical Drawing	4	2
D & D 2	Graphic Arts Design	4	2
D & D 21	Sheetmetal Drafting	4	2
D & D 22	Machine Drawing and Design	4	2
D & D 31	Electrical Drafting	4	2
D & D 36	Industrial Arts Design	4	2
D & D 37	Advanced Graphic Arts Design	4	2
D & D 41	Advanced Mechanical Drawing	4	2
D & D 42	Architectural Drawing and Design	4	2
D & D 60	Shop Sketching (Technical Sketching)	4	2
SHOP COURSES			
Shop 1	Fundamentals of Woodworking	8	4
Shop 2	Fundamentals of Graphic Arts	8	4
Shop 21	Fundamentals of Sheetmetal	8	4
Shop 22	Fundamentals of Machine Shop	8	4
Shop 31	Fundamentals of Electricity	8	4
Shop 32	Advanced Electric Shop	8	4
Shop 33	Electronics (Radio)	8	4
Shop 36	Advanced Woodworking	8	4
Shop 37	Patternmaking	8	4
Shop 41	Advanced Machine Shop	8	4
Shop 42	Special Machine Shop	8	4
Shop 43	Foundry	8	4
Shop 46	Advanced Sheetmetal Shop	8	4
Shop 50	Fundamentals of Art Metal	8	4
Shop 51	Advanced Art Metal	8	4
Shop 52	Cold Metal (Wrought Iron)	8	4
Shop 56	Fundamentals of Welding	8	4
Shop 58	Metal Work	8	4
Shop 60	Advanced Graphic Arts	8	4
Shop 61	Advanced Typography and Book Design	8	4
Shop 65	Graphic Presentation and Bookbinding	8	4
Shop 66	Photography	8	4
Shop 70	Comprehensive General Shop	8	4
Shop 71	Crafts	8	4
Shop 72	Ceramics	8	4
Shop 73	Costume Jewelry <i>Jewelry Making</i>	8	4
Shop 74	Plastics	8	4
Shop 76	Fundamentals of Leatherwork	8	4
Shop 78	Textiles	8	4
Shop 79	Elementary Industrial Arts Activities	8	4
Shop 81	Fundamentals of Auto Mechanics	8	4
Shop 82	Advanced Auto Mechanics	8	4

Shop 87 *Advanced Jewelry Making*

SECOND FIELD OF SPECIALIZATION

Students pursuing the four-year industrial arts curriculum may elect a second field of specialization. Students may also elect courses in academic fields and special curriculums for which they are qualified and which are offered at the college.

Physical Education I, II, and III may be individual or group activity.

Students in this curriculum may substitute an elective drawing and design course for Introduction to Art.

Note

UNIT AND GENERAL SHOP CERTIFICATION

Industrial Arts activities on a unit shop basis will be written on a certificate upon the satisfactory completion of twelve semester hours of approved education in a particular activity. At the present time we are offering twelve semester hours in the following activities: wood, metal, machine, electricity, graphic arts and crafts.

Industrial Arts shop activities on a general shop basis will be written on a certificate upon the satisfactory completion of at least four semester hours in each activity.

EQUIVALENTS FOR COLLEGE CERTIFICATES
AND MASTER'S DEGREES

(Adopted by the State Council of Education on May 7, 1948)

EQUIVALENT TO THE MASTER'S DEGREE

A certificate of equivalence to a Master's Degree shall be issued on the following basis:

1. In the fields of applied arts and vocational subjects the possession of a college certificate or an equivalent college certificate with evidence of the subsequent satisfactory completion of 36 semester hours of additional approved education or 30 semester hours of approved graduate work.
2. The completion of a curriculum of at least one year in a professional school of library science, school nursing, dental hygiene, or other specialized fields approved by the State Council of Education following the attainment of an earned Bachelor's Degree.

THE ATYPICAL EDUCATION CURRICULUM

Students planning to enroll in Atypical Education will complete the basic requirements of the elementary curriculum, specializing either in the teaching of classes for the mentally retarded or the teaching of the speech and hearing handicapped.

The fourteen (14) semester hours of electives in the elementary curriculum may be taken in the Atypical Education courses. In addition, they may, with the prior approval of the Dean of Instruction, receive credit for Child Development, three (3) semester hours, and three (3) semester hours of the twelve (12) required in student teaching, if done in speech and hearing classes or in classes for the mentally retarded. Through this arrangement students will be able to earn twenty (20) of the credits required for certification. They may be graduated with regular elementary certification and complete the Atypical Education certification in one additional summer of study, either prior to or following graduation.

THE TWO-YEAR DEGREE PROGRAMS

The State Teachers Colleges have been approved to offer a two-year program to Dental Hygienists and School Nurses who are able to meet the conditions set forth in the following paragraphs:

DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education will be conferred upon dental hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania issued by the State Dental Council and Examining Board and the Department of Public Instruction.

"The professional education requirement for dental hygiene is the satisfactory completion of an approved dental hygienist course of instruction of two years of not less than thirty-two weeks and not less than thirty hours each week or its equivalent in and graduation from a dental hygiene school approved by the State Dental Council and Examining Board."

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:

A. Education	Semester hours
(1) Professional Orientation	3
(2) General Psychology	3
(3) Educational Psychology and Evaluative Techniques	3
(4) Audio-Visual Education	2
Total	11
B. General Education	
(1) Communication I	5
or English I (3-3) and Speech I (2-2)	
Communication II	5
or English II (3-3) and Speech II (2-2)	
(2) Fine Arts	4
a. Introduction to Art (2)	
b. Introduction to Music (2)	
(3) Geography	6
a. World Geography (3)	
b. Geography of United States and Canada (3)	

(4) World Culture I -----	5
or Literature I (2-2)	
and History of Civilization I (3-3)	
World Culture II -----	5
or Literature II (2-2)	
and History of Civilization II (3-3)	
(5) Social Studies	
a. American Government -----	3
b. Economics -----	3
c. History of US and Penna. -----	3
d. Sociology -----	2
	—
Total -----	41
C. Electives -----	12
	—
Grand Total -----	64

In each category above, credit will be given for equivalent courses pursued in the two year dental hygiene curriculum. In such cases students must increase their electives by the number of semester hours so credited.

In the case of dental hygienists who had less than two years of specialized training on the basis of which they were licensed to practice dental hygiene, proportional credit will be given. Such persons must pursue additional general education courses in college to make up the deficiency.

Electives may be chosen with the approval of the Dean of Instruction from any field or curriculum offered at the college in which the student is enrolled.

The curriculum will be effective as of January 23, 1951.

DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements:

1. The satisfactory completion of a three-year curriculum in an approved school of nursing and registration by the State Board of Examiners for the Registration of Nurses in Pennsylvania.
2. The satisfactory completion of forty-five (45) semester hours of additional preparation distributed as follows:

A. Courses related to public school nursing	Semester Hours
Public School Nursing -----	2
Public School Organization -----	2
Public Health Nursing -----	6
Nutrition & Community Health -----	2
Family Case Work -----	3
	—
Total -----	15

CREDIT BY EXAMINATION

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B. General and Professional Education	
History of US and Penna. -----	3
Communication -----	5
World Culture -----	5
Professional Orientation to Education -----	3
American Government -----	3
Educational Psychology -----	3
Audio-Visual Education -----	2
Total -----	24
C. Electives -----	6
Grand Total -----	45

In the case of nurses with less than three years preparation for registration, such persons will pursue additional courses to meet the requirements for the degree.

This curriculum will be effective as of June 1, 1951.

THE ELECTIVE AREAS

Students are expected to elect their areas of specialization (major and minor) during their first semester by registering with the Dean of Instruction. The final choice is made during the second semester of the sophomore year. Changes in curriculum or areas of specialization must be approved by the Dean of Instruction and the Division Head. Changes are generally not approved after the beginning of the junior year.

COMPETENCY IN AREAS OF SPECIALIZATION

As early as possible in the student's enrollment he must demonstrate competence in the fields chosen before permission is granted to complete the requirements for certification. "D" grades received in courses in the areas of specialization do not demonstrate an acceptable standard of competency.

CREDIT BY EXAMINATION

- (a) A student may request an examination in any subject matter area in which he registers for the purpose of securing exemption from taking a course.
- (b) A student shall be given credit for a course in which he registers and in which he demonstrates competence by a qualifying examination.

Application for examination under (b) should be made to the Dean of Instruction at the time of registration. The examination will be given within two weeks of the time of application.

THE CALIFORNIA BULLETIN

ELEMENTARY SCHOOL TEACHING

Students in the Elementary Curriculum may qualify for the degree of Bachelor of Science in Education by satisfactorily completing the required subjects in the basic curriculum, a total of 114 semester hours, and 14 semester hours of electives.

SECONDARY SCHOOL TEACHING

The content of the areas for specialization for students preparing to teach in high schools is outlined with considerable exactness on the following pages and the courses must be taken as indicated.

INDUSTRIAL ARTS TEACHING

Students in the Industrial Arts Curriculum qualify for the degree of Bachelor of Science in Education by satisfactorily completing the required subjects of the basic curriculum, which provides specialization in shop and drawing. To obtain broader certification, they may elect a second field of specialization chosen from those listed under the Secondary Curriculum. A second field in Mathematics or Science is recommended.

ATYPICAL EDUCATION TEACHING

Students enrolling in the Atypical Education curriculum will complete the basic requirements of the elementary curriculum and will specialize in one of the following aspects:

- A. Teaching of classes for the mentally retarded.
- B. Teaching of classes for the speech and hearing handicapped.

HIGHWAY SAFETY AND DRIVER EDUCATION

Effective September 1, 1951, a student who holds or will hold a valid certificate to teach will be issued an additional temporary standard certificate to teach Highway Safety Education if the student has completed twelve semester hours in a course in Driver Education and Training. The temporary standard certificate so issued will become permanent after two years of successful experience in the field and the completion of three semester hours in General Safety Education.

The American Automobile Association has approved the Highway Safety Education Courses offered at this college.

CONTENT OF AREAS OF SPECIALIZATION
THE ELEMENTARY CURRICULUM

ELECTIVES AND SPECIALIZATIONS

Provisional College Certificates issued on the basis of the four-year elementary curriculum are valid for kindergarten and Grades One to Six inclusive and for Grades Seven and Eight if not in an approved junior high school or a junior-senior high school. Student teaching is done at the Primary and at the Intermediate grade level.

GENERAL ELEMENTARY EDUCATION

REQUIRED:

Courses listed in the elementary curriculum outline.

	Hours	
	Clock	S. H.
ELECTIVES:		
Arts and Crafts	6	3
Child Adjustment	3	3
Child Psychology	3	3
Creative Activities in the Elementary School	3	3
Creative Art	3	3
Creative Design	3	3
Diagnostic and Remedial Reading	3	3
Harmony I	3	3
Harmony II	3	3
History and Appreciation of Music	2	2
Pre-School Education	3	3
Problems in Elementary School Art	3	3
School and Community	3	3
Speech Development and Improvement	3	3
Speech Problems	3	3
Teaching the Exceptional Child	3	3
Teaching of a Foreign Language in the Elementary Field	3	3

Students may also elect courses in academic fields and special curriculums offered at the college.

EARLY CHILDHOOD EDUCATION

A minimum of six semester hours are required from the courses listed.

	Hours	
	Clock	S. H.
Early Childhood Education	3	3
Educational Tests and Measurements	3	3
Art Crafts	6	3
Clinic Psychology	6	3

Certification will be for Elementary with specialization in Kindergarten, and Grades 1, 2, and 3.

INTERMEDIATE EDUCATION

A minimum of six semester hours are required from the courses listed.

	Hours	
	Clock	S. H.
Teaching in the Elementary School	3	3
Mental Hygiene	3	3
Diagnostic and Remedial Instruction	3	3
Art Crafts	6	3
Clinic Psychology	6	3

Certification will be for Elementary with specialization in Grades 4, 5, and 6.

UPPER GRADE LEVEL

A minimum of six semester hours are required from the courses listed.

	Hours	
	Clock	S. H.
Psychology of Adolescence	3	3
Teaching in the Upper Grades	3	3
Educational Tests and Measurements	3	3
Mental Hygiene	3	3

Certification will be for Elementary with specialization in upper grade teaching.

AREAS OF SPECIALIZATION SECONDARY CURRICULUM

Graduation requirements for this curriculum include specialization in not less than two teaching fields.

1. The first field shall require not fewer than thirty (30) semester hours unless otherwise specified.
2. The second field shall require not fewer semester hours than the minimum required for certification.
3. In all areas students offering a second field will satisfactorily complete no less than eighteen (18) semester hours in that particular area of study. Courses in methods may not be counted in the required 18 hours.

Recapitulation Of Area Of Specialization Requirements

FIRST FIELDS (Minimum Semester Hours)	38	SECOND FIELDS (Minimum Semester Hours)	24
Field of Science	38	Social Studies	24
Social Studies	36	English	18
English	35	Social Science	18
Speech & Hearing	32	History	18
History	30	Geography	18
Biological Science	30	Mathematics	18
Physical Science	30	Aeronautics	18
Chemistry (with Physics 27)	35	Biological Science	18
Physics (with Chemistry 27)	35	Physical Science	18
Aeronautics	24	Physics	18
Geography	24	Speech	18
Mathematics	24	French	18
Speech	24	German	18
French	24	Latin	18
German	24	Spanish	18
Latin	24	Guidance Teacher	18
Spanish	24	Chemistry	18

No second field possible in
Field of Science
Speech & Hearing

AERONAUTICS

FIRST FIELD ----- 24 Credits
Required: ----- 18 Credits

	Hours	S. H.
	Clock	
Aviation Mathematics -----	(3)	(3)
Aircraft Communications and Regulations -----	(3)	(3)
General Service and Structure of Aircraft -----	(3)	(3)
Aerial Navigation -----	(3)	(3)
Meteorology -----	(3)	(3)
Aerodynamics and Theory of Flight -----	(3)	(3)

Electives: (To be chosen from the elective Aeronautics courses listed or courses for which the college is specifically approved) ----- 6 Credits

Aircraft Engines -----	(12)	(6)
Identification of Aircraft -----	(3)	(3)
Climatology -----	(3)	(3)
Commercial Air Transportation -----	(3)	(3)
Flight Experience -----	Variable	Credit 3-6

SECOND FIELD ----- 18 Credits
Required: ----- 18 Credits

Aviation Mathematics -----	(3)	(3)
Aircraft Communications and Regulations -----	(3)	(3)
General Service and Structure of Aircraft -----	(3)	(3)
Aerial Navigation -----	(3)	(3)
Meteorology -----	(3)	(3)
Aerodynamics and Theory of Flight -----	(3)	(3)

Note: These courses are not offered at California. Credit may be received only by evaluation of records.

AREAS OF SPECIALIZATION

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ENGLISH

FIRST FIELD ----- 35 Credits

Required: ----- 17 Credits

	Hours	
	Clock	S. H.
*Communication I -----	(5)	(5)
*Communication II -----	(5)	(5)
General Literature I (or World Culture I) -----	(2)	(2)
General Literature II (or World Culture II) -----	(2)	(2)
Teaching English in Secondary Schools -----	(3)	(3)

Restricted Electives: (At least one course in English must be selected in each of Groups 1, 2, 3, and 4 as listed or courses for which the college is specifically approved.) ----- 18 Credits

GROUP 1. SURVEY COURSES:

American Literature -----	(3)	(3)
English Literature -----	(3)	(3)
American Poetry -----	(3)	(3)
American Prose -----	(3)	(3)
Children's Literature and Story Telling -----	(3)	(3)

GROUP 2. PERIOD COURSES:

Pre-Shakespearean Literature -----	(3)	(3)
Shakespeare -----	(3)	(3)
Eighteenth Century Literature -----	(3)	(3)
The Romantic Movement -----	(3)	(3)
Victorian Literature -----	(3)	(3)

GROUP 3. LITERARY FORM COURSES:

Criticism -----	(3)	(3)
Modern Drama -----	(3)	(3)
The Novel to 1870 -----	(3)	(3)
Contemporary Novel -----	(3)	(3)
Essay -----	(3)	(3)
Contemporary Poetry -----	(3)	(3)
Short Story -----	(3)	(3)
Literature of Biography -----	(3)	(3)

GROUP 4. COMPOSITION:

Creative Writing -----	(3)	(3)
Journalism -----	(3)	(3)
Advanced Composition -----	(3)	(3)
English Philology and Grammar -----	(3)	(3)

*When Speech is the second field with English, Communication I and II each count only 3 hours toward English and Speech I and II are counted in Speech.

SECOND FIELD ----- 18 Credits

Required: ----- 10 Credits

	Hours	
	Clock	S. H.
Communication I (or Composition I) -----	(3)	(3)
Communication II (or Composition II) -----	(3)	(3)
General Literature I (or World Culture I) -----	(2)	(2)
General Literature II (or World Culture II) -----	(2)	(2)

Electives: (To be chosen from the elective English courses listed under first field. The restricted electives do not apply to the second field.) ----- 8 Credits

GEOGRAPHY

FIRST FIELD ----- 24 Credits

Required: ----- 6 Credits

	Hours	
	Clock	S. H.
World Geography -----	(3)	(3)
Teaching Geography in Secondary Schools -----	(3)	(3)

Restricted Electives: (At least one course in Geography must be selected in each of Groups 1, 2, and 3 as listed or courses for which the college is specifically approved.) ----- 18 Credits

GROUP 1. EARTH STUDIES:

Climatology -----	(3)	(3)
Geology -----	(3)	(3)
Meteorology -----	(3)	(3)
Physiography -----	(3)	(3)
Cartography -----	(3)	(3)

GROUP 2. ECONOMIC GEOGRAPHY:

Economic Geography	(3)	(3)
Commercial Air Transportation	(3)	(3)
Conservation of Natural Resources	(3)	(3)
Geographic Influence in American History	(3)	(3)
Trade and Transportation	(3)	(3)

GROUP 3. REGIONAL STUDIES:

Geography of Pennsylvania	(3)	(3)
Geography of Asia	(3)	(3)
Geography of Africa and Australia	(3)	(3)
Geography of Europe	(3)	(3)
Geography of the Far East	(3)	(3)
Geography of Latin America	(3)	(3)
Geography of the United States and Canada	(3)	(3)
World Problems in Geography	(3)	(3)
Field Courses (as approved)	(3)	(3)

SECOND FIELD 18 Credits

Required: 3 Credits

	Hours	
	Clock	S. H.
World Geography	(3)	(3)
Electives: (To be chosen from the elective Geography courses listed under first field, disregarding the groupings.)		15 Credits

GUIDANCE TEACHER

SECOND FIELD ONLY 18 Credits

Required: (To be elected from the following or equivalent courses) 6 Credits

Occupation Analysis, Field Studies and School Applications	minimum credits 2
Introduction to Guidance	minimum credits 2
Labor and Personnel Problems in Business and Industry	minimum credits 2

Electives: (Courses in related subjects) 12 Credits

Courses in the social sciences, in commercial education, vocational education, etc., will be interpreted as related courses.

The completion of the Industrial Arts Curriculum will be interpreted as allowing 6 credits of related courses towards certification as a teacher of Guidance.

MATHEMATICS

FIRST FIELD 24 Credits

Required: (Courses Arranged Sequentially) 18 Credits

Fundamentals of Mathematics is not required when mathematics is either the first or second field of specialization.

	Hours	
	Clock	S. H.
College Algebra	(3)	(3)
Trigonometry	(3)	(3)
*Analytical Geometry	(3)	(3)
Calculus I (Differential)	(3)	(3)
*Calculus II (Integral)	(3)	(3)
*Teaching of Mathematics in the Secondary School	(3)	(3)

Electives: (To be chosen from the elective Mathematics courses listed or courses for which the college is specifically approved.) 6 Credits

Advanced College Algebra	(3)	(3)
Synthetic Geometry	(3)	(3)
Spherical Trigonometry and Navigation	(3)	(3)
Statistics	(3)	(3)
History of Mathematics	(3)	(3)
College Geometry	(3)	(3)
Field Work in Mathematics	(3)	(3)
Calculus 3	(3)	(3)
Mathematics of Finance	(3)	(3)

SECOND FIELD 18 Credits

Required: (Courses Arranged Sequentially) 15 Credits

	Hours	
	Clock	S. H.
College Algebra	(3)	(3)
Trigonometry	(3)	(3)

AREAS OF SPECIALIZATION

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*Analytical Geometry -----	(3)	(3)
Calculus I (Differential) -----	(3)	(3)
*Calculus II (Integral) -----	(3)	(3)
<i>Electives:</i> (To be chosen from the Mathematics elective courses listed under first field.) -----		3 credits

*An elective course may be scheduled following this course.

FIELD OF SCIENCE

FIRST FIELD ----- 38 Credits

Required: (Not Sequentially Arranged) ----- 38 Credits

Students electing this area do not schedule Basic Biology,
Basic Physical Science and Science in Modern Civilization.

	Hours	
	Clock	S. H.
Botany I -----	(6)	(4)
Botany II -----	(6)	(4)
Zoology I -----	(6)	(4)
Zoology II -----	(6)	(4)
Chemistry I -----	(6)	(4)
Chemistry II -----	(6)	(4)
Earth Science -----	(3)	(3)
Physics I -----	(6)	(4)
Physics II -----	(6)	(4)
Teaching of Science in the Secondary School -----	(3)	(3)

SECOND FIELD

The Field of Science may only be chosen as a first field for
graduation purposes.

BIOLOGICAL SCIENCE

FIRST FIELD ----- 30 Credits

Required: ----- 19 Credits

Basic Physical Science (Required but not counted in the
area of specialization)

Students electing Biological Science as a first field do not
schedule Science in Modern Civilization.

If a first or second field do not schedule Basic Biology.

	Hours	
	Clock	S. H.
Botany I -----	(6)	(4)
Botany II -----	(6)	(4)
Zoology I -----	(6)	(4)
Zoology II -----	(6)	(4)
Teaching of Science in the Secondary School -----	(3)	(3)

Electives: (At least one course must be selected in each
of Groups I and 2 as listed.) ----- 11 Credits

GROUP 1. FIELD COURSES:

Field Botany -----	(5)	(3)
Ornithology -----	(5)	(3)
Entomology -----	(5)	(3)
Ecology -----	(5)	(3)
Field Zoology -----	(5)	(3)

GROUP 2. LABORATORY COURSES:

Vetebtrate Anatomy -----	(5)	(3)
Physiology -----	(5)	(3)
Microbiology -----	(5)	(3)
Parasitology -----	(5)	(3)
Genetics -----	(5)	(3)

SECOND FIELD ----- 18 Credits

Required: ----- 16 Credits

Basic Physical Science (Required but not counted in
the area of specialization)

	Hours	
	Clock	S. H.
Botany I -----	(6)	(4)
Botany II -----	(6)	(4)
Zoology I -----	(6)	(4)
Zoology II -----	(6)	(4)

Electives: (To be chosen from courses related to Biological
Science) ----- 2 Credits

PHYSICAL SCIENCE

FIRST FIELD ----- 30 Credits

Required: ----- 19 Credits

Basic Biology (Required but not counted in the area of specialization)

Science in Modern Civilization is not required when Physical Science is a first field; Basic Physical Science is not required when Physical Science is either a first or second field.

	Hours	
	Clock	S. H.
Chemistry I -----	(6)	(4)
Chemistry II -----	(6)	(4)
Physics I -----	(6)	(4)
Physics II -----	(6)	(4)
Teaching of Science in the Secondary School -----	(3)	(3)

Electives: (To be selected from Chemistry, Earth Science or Physics) ----- 11 Credits

SECOND FIELD ----- 18 Credits

Required: ----- 16 Credits

Chemistry I -----	(6)	(4)
Chemistry II -----	(6)	(4)
Physics I -----	(6)	(4)
Physics II -----	(6)	(4)

Electives: (An elective course definitely related to Physical Science or an elective course in Physics or Chemistry) ----- 2 Credits

CHEMISTRY

FIRST FIELD ----- 35 Credits

(27 credits when Physics is second field)

Required: ----- 25 Credits

Basic Biology (Required but not counted in the area of specialization)

Science in Modern Civilization is not required when Chemistry is a first field; Basic Physical Science when Chemistry is either a first or a second field.

	Hours	
	Clock	S. H.
Inorganic Chemistry I -----	(6)	(4)
Inorganic Chemistry II -----	(6)	(4)
Qualitative Analysis -----	(7)	(3)
Quantitative Analysis -----	(7)	(3)
Physics I -----	(8)	(4)
Physics II -----	(8)	(4)

(Students who select Chemistry as a first field and Physics as a second field will be required to take a minimum of 24 hours in Chemistry with Physics to be counted toward the second field.)

Teaching of Science in Secondary Schools ----- (3) (3)

Electives: (To be chosen from elective Chemistry courses listed, or courses for which the college is specifically approved) ----- 10 Credits

(If Physics is second field) ----- 8 Credits

Organic Chemistry I -----	(6)	(4)
Organic Chemistry II -----	(5)	(3)
Biological Chemistry -----	(6)	(3)
Physical Chemistry -----	(5)	(3)
Colloidal Chemistry -----	(6)	(3)
Industrial Chemistry -----	(5)	(3)
Chemistry of Foods and Nutrition -----	(6)	(3)
Water Analysis -----	(4)	(2)

SECOND FIELD ----- 18 Credits

Required: ----- 8 Credits

Basic Biology (Required but not counted in the area of specialization)

Science in Modern Civilization (Required but not counted in the area of specialization)

Inorganic Chemistry I -----	(6)	(4)
Inorganic Chemistry II -----	(6)	(4)

Electives: (To be chosen from the elective Chemistry courses listed under first field) ----- 10 Credits

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PHYSICS

FIRST FIELD ----- 35 Credits

(27 credits when Chemistry is second field)

College Algebra and Trigonometry are recommended for specializing in Physics as a first field.

Required: ----- 19 Credits

Basic Biology (Required but not counted in the area of specialization)

Science in Modern Civilization is not required when Physics is a first field; Basic Physical Science when Physics is either a first or second field.

	Hours	
	Clock	S. H.
Physics I -----	(6)	(4)
Physics II -----	(6)	(4)
Inorganic Chemistry I -----	(6)	(4)
Inorganic Chemistry II -----	(6)	(4)
(Students who select Physics as a first field and Chemistry as a second field will be required to take a minimum of 24 hours in Physics with Chemistry to be counted toward the second field.)		
Teaching of Science in the Secondary School -----	(3)	(3)

Electives: (To be chosen from the elective Physics courses listed, or courses for which the college is specifically approved) ----- 16 Credits

(If Chemistry is second field) ----- 8 Credits

Magnetism and Electricity -----	(6)	(4)
Mechanics -----	(6)	(4)
Heat -----	(6)	(4)
Electronics -----	(5)	(3)
Optics -----	(5)	(3)
Sound -----	(5)	(3)
Physical Measurements -----	Variable Credit	

SECOND FIELD ----- 18 Credits

Required: ----- 8 Credits

Basic Biology (Required but not counted in the area of specialization)

Science in Modern Civilization (Required but not counted in the area of specialization)

Physics I -----	(6)	(4)
Physics II -----	(6)	(4)

Electives: (To be chosen from the elective Physics courses listed under first field) ----- 10 Credits

SOCIAL STUDIES

FIRST FIELD ----- 36 Credits

Required: ----- 27 Credits

	Hours	
	Clock	S. H.
History of Civilization I -----	(3)	(3)
History of Civilization II -----	(3)	(3)
History of US and Pennsylvania I -----	(3)	(3)
History of US and Pennsylvania II -----	(3)	(3)
American Government -----	(3)	(3)
Home and Family Living or -----		
Introduction to Philosophy -----	(3)	(3)
Principles of Economics -----	(3)	(3)
Principles of Sociology -----	(3)	(3)
Teaching Social Studies in Secondary Schools -----	(3)	(3)

Restricted Electives: (At least one course in Social Studies must be selected in each of Groups 1, 2 and 3 or listed courses for which the college is specifically approved.) ----- 9 Credits

GROUP 1 SOCIOLOGY AND ECONOMICS:

Contemporary Social Problems -----	(3)	(3)
Contemporary Economic Problems -----	(3)	(3)
Industrial Relations -----	(3)	(3)

C 3 4 3

GROUP 2 POLITICAL SCIENCE:

Comparative Government	(3)	(3)
State and Local Government	(3)	(3)
International Relations	(3)	(3)
United Nations: Organization	(3)	(3)
and Function	(3)	(3)

GROUP 3 HISTORY:

History of Europe to 1815	(3)	(3)
History of Europe since 1815	(3)	(3)
History of the Far East	(3)	(3)
History of Latin America	(3)	(3)
History of Pennsylvania	(3)	(3)

SECOND FIELD 24 Credits

<i>Required:</i>	24	Credits
History of Civilization I	(3)	(3)
History of Civilization II	(3)	(3)
History of US and Pennsylvania I	(3)	(3)
History of US and Pennsylvania II	(3)	(3)
American Government	(3)	(3)
Home and Family Living or Introduction to Philosophy	(3)	(3)
Principles of Economics	(3)	(3)
Principles of Sociology	(3)	(3)

HISTORY

FIRST FIELD 30 Credits

<i>Required:</i>	15	Credits
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	Hour Clock	S. H.
History of Civilization I	(3)	(3)
History of Civilization II	(3)	(3)
History of US and Pennsylvania I	(3)	(3)
History of US and Pennsylvania II	(3)	(3)
Teaching Social Studies in Secondary Schools	(3)	(3)

<i>Restricted Electives:</i> (At least one course in History must be selected in each of Groups 1, 2 and 3 as listed or courses for which the college is specifically approved.)	15	Credits
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GROUP 1 UNITED STATES HISTORY:

Contemporary United States History	(3)	(3)
American Constitutional History and Law	(3)	(3)
Diplomatic History of the United States	(3)	(3)

GROUP 2 EUROPEAN HISTORY:

History of Europe to 1815	(3)	(3)
History of Europe since 1815	(3)	(3)
Contemporary European History	(3)	(3)
Renaissance and Reformation	(3)	(3)

GROUP 3 REGIONAL HISTORY:

History of Pennsylvania	(3)	(3)
History of England	(3)	(3)
History of Far East	(3)	(3)
History of Middle East	(3)	(3)
History of Latin America	(3)	(3)
History of the Twentieth Century World	(3)	(3)

SECOND FIELD 18 Credits

<i>Required:</i>	12	Credits
History of Civilization I	(3)	(3)
History of Civilization II	(3)	(3)
History of US and Pennsylvania I	(3)	(3)
History of US and Pennsylvania II	(3)	(3)

<i>Electives:</i> (To be chosen from the elective History courses listed under first field. The restricted electives do not apply to the second field.)	6	Credits
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AREAS OF SPECIALIZATION

71

SOCIAL SCIENCE

SECOND FIELD ONLY ----- 18 Credits

Required: ----- 6 Credits

	Clock	S. H.
✓ Principles of Sociology -----	(3)	(3)
✓ Principles of Economics -----	(3)	(3)
<i>Restricted Electives:</i> (At least one course in Social Science must be selected in each of Groups 1 and 2 as listed or courses for which the college is specifically approved.) -----		
		12 Credits

GROUP 1

Contemporary Social Problems -----	(3)	(3)
Contemporary Economic Problems -----	(3)	(3)
Industrial Relations -----	(3)	(3)

GROUP 2

Comparative Government -----	(3)	(3) ✓
State and Local Government -----	(3)	(3)
International Relations -----	(3)	(3)
United Nations: Organization and Function -----	(3)	(3)

GENERAL SPEECH

FIRST FIELD ----- 24 Credits

Required: ----- 15 Credits

	Clock	S. H.
Speech I (Communication I) -----	(2)	(2)
Speech II (Communication II) -----	(2)	(2)
Phonetics and Voice -----	(3)	(3)
Oral Interpretation -----	(3)	(3)
Play Production -----	(3)	(3)
Teaching of Speech in Secondary Schools -----	(2)	(2)
<i>Electives:</i> (To be chosen from the elective Speech courses listed, or courses for which the college is specifically approved.) -----		
		9 Credits

Stagecraft, Scenic Design and Lighting -----	(3)	(3)
Debate, Group Discussion and Parliamentary Procedure -----	(3)	(3)
Radio I -----	(3)	(3)
Radio II -----	(3)	(3)
Creative Dramatics and Story Telling -----	(3)	(3)
Costume and Make-up -----	(3)	(3)
Choral Speaking -----	(3)	(3)
Community Dramatics and Pageants -----	(3)	(3)
Speech Development and Improvement -----	(3)	(3)
Speech Problems -----	(3)	(3)
Workshop in Television -----	(6)	(3)

SECOND FIELD ----- 18 Credits

Required: ----- 13 Credits

Speech I (Communication I) -----	(2)	(2)
Speech II (Communication II) -----	(2)	(2)
Phonetics and Voice -----	(3)	(3)
Oral Interpretation -----	(3)	(3)
Play Production -----	(3)	(3)

Electives: (To be chosen from the elective Speech courses listed under first field.) ----- 5 Credits

THE ATYPICAL EDUCATION CURRICULUM

"The curriculum in Atypical Education has been arranged as variants of the Elementary Four Year Curriculum and the Secondary Four Year Curriculum."

TEACHER OF MENTALLY RETARDED CLASSES

Required: ----- 12 Credits 36

	Clock	S. H.
Psychology or Education of Exceptional Children -----	(3)	(3) ✓
Mental or Educational Hygiene -----	(3)	(3) ✓
Special Class Arts and Crafts -----	(6)	(3) ✓
Student Teaching in Classes for Mentally Retarded Children -----	(3)	(1) ✓
Special Class Methods of Administration -----	(2)	(2) ✓

Electives: (To be chosen from the elective courses listed or courses for which the college is specifically approved.)

*Advanced Art Crafts	(6)	(24)
Diagnostic Testing and Remedial Teaching	(3)	(3)
Abnormal Psychology	(3)	(3)
Clinical Psychology	(6)	(3)
Mental Tests	(3)	(3)
Speech Problems	(3)	(3)
Corrective Physical Education	(4)	(2)
Educational and Vocational Guidance	(3)	(3)
Related Courses in Sociology	(3)	(3)
Psychology of Childhood	(3)	(3)
Psychology of Adolescence	(3)	(3)
Child Development	(3)	(3)
Special Methods of Teaching Reading	(3)	(3)
Parent Education	(3)	(3)
Personality Adjustment	(3)	(3)

*Required for certification.

Students who choose this area of specialization may take fourteen semester hours of electives in Special Education courses. In addition, they may, with the approval of the Dean of Instruction, receive credit for Child Development for three semester hours and also three semester hours of the twelve required in student teaching, provided the three hours are done in special classes.

TEACHER OF SPEECH AND HEARING HANDICAPPED CLASSES

Required: ----- Hours S. H. Credits

	Hours	S. H.
	Clock	
Psychology or Education of Exceptional Children	(3)	(3)
Mental Hygiene	(3)	(3)
Speech Problems	(3)	(3)
Elementary Clinical Practice	(6)	(3)
Speech Education and Re-education in Elementary and Secondary Schools	(3)	(3)
Speech Pathology	(3)	(3)
Hearing Problems	(3)	(3)
Auditory Training and Speech Reading	(3)	(3)
Advanced Clinical Practice	(6)	(3)

Electives: (To be chosen from the elective Speech and Hearing courses listed or courses for which the college is specifically approved.)

Psychology of Speech and Hearing	(3)	(5)
Diagnostic Testing and Remedial Teaching	(3)	(3)
Measurement of Hearing Loss	(2)	(2)
Anatomy of Speech and Hearing Mechanisms	(2)	(2)
Phonetics	(3)	(3)
Methods of Psychological Counselling	(3)	(3)
Child and/or Adolescent Psychology or Child Development	(3)	(3)
Personality Adjustment	(3)	(3)
Voice and Diction	(3)	(3)
Clinical Methods in Speech and Hearing	(3)	(3)
Parent Education	(3)	(3)

*Required for Certification.

Students who choose this area of specialization may take fourteen semester hours credit in electives in Special Education courses. In addition, they may receive credit for Child Development, three semester hours, and three semester hours of the twelve required in student teaching, if done in speech and/or hearing classes. Through this arrangement students will be able to earn a total of twenty credits of the thirty-two credits required for certification.

They will be graduated with regular elementary certification and will be able to complete the special class certification in one summer of study either prior to or following graduation.

14 20

SUMMARY OF FEES

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COLLEGE EXPENSES FEES, DEPOSITS, AND REPAYMENTS

The uniform schedule of fees, deposits, and repayments established for the State Teachers Colleges is subject to change when authorized by the Boards of Trustees of the State Teachers Colleges and approved by the Superintendent of Public Instruction.

SUMMARY OF ANNUAL FEES

(For the year 1956-57)

Elementary, Secondary or Atypical Curriculum

	First Semester	Second Semester	Total Yearly Cost
For Dormitory Students			
Contingent fee -----	\$ 45.00*	\$ 45.00*	\$ 90.00
Board, Room & Laundry -----	252.00	252.00	504.00
Due Comm. of Pa. -----	\$297.00	\$297.00	\$594.00
**Activity fee -----	20.00	20.00	40.00
Books (estimated) -----	50.00	50.00	100.00
	\$367.00	\$367.00	\$734.00
For Commuting Students			
Contingent fee -----	\$ 45.00*	\$ 45.00*	\$ 90.00
Due Comm. of Pa. -----	\$ 45.00	\$ 45.00	\$ 90.00
**Activity fee -----	20.00	20.00	40.00
Books (estimated) -----	50.00	50.00	100.00
	\$115.00	\$115.00	\$230.00

Industrial Arts Curriculum

For Dormitory Students			
Contingent fee -----	\$ 45.00*	\$ 45.00*	\$ 90.00
Special Curriculum fee -----	18.00	18.00	36.00
Board, Room & Laundry -----	252.00	252.00	504.00
Due Comm. of Pa. -----	\$315.00	\$315.00	\$630.00
**Activity fee -----	20.00	20.00	40.00
Books (estimated) -----	90.00	60.00	150.00
	\$425.00	\$395.00	\$820.00
For Commuting Students			
Contingent fee -----	\$ 45.00*	\$ 45.00*	\$ 90.00
Special Curriculum fee -----	18.00	18.00	36.00
Due Comm. of Pa. -----	\$ 63.00	\$ 63.00	\$126.00
**Activity fee -----	20.00	20.00	40.00
Books (estimated) -----	90.00	60.00	150.00
	\$173.00	\$143.00	\$316.00

*The contingent fee covers registration, the keeping of the student records and the library, student welfare, health services (other than extra nurse and quarantine), and laboratory fees. Checks are to be made payable to Commonwealth of Pennsylvania.

Books may be purchased by the student through the College Book Store on a cash basis.
**Checks for activity fee must be made payable to the Student Activity Fund.

FEES AND DEPOSITS

Contingent Fees for Part Time and Summer Session Students

Elementary	a semester hour	\$9.00
Secondary	a semester hour	9.00
Industrial Arts	\$6.00 and a semester hour	9.00
Minimum charge for Summer Session students is \$27.00		

Late Registration Fee. Each student who enrolls after the date officially set for registration will be charged an additional contingent fee of \$1.00 per day until he is in regular attendance, provided that the total amount of the late registration fee shall not exceed \$5.00. The same regulation applies to approved intra-semester payments.

Housing Fees.

Full-time Students (\$252.00 a semester)	Yearly \$504.00
Pre-session	42.00
Six-Week Summer Session	84.00
Post-session	42.00

This fee covers room and board in the College dormitory and limited laundry. No reduction in the rates will be made for laundry done at home or for the absence of a student who goes home for several days at one time.

A student may, at the discretion of the President, occupy a double room alone by paying an additional \$36 per semester, or \$12.00 for a summer session.

Guest Meals. The charges for individual meals for guests are as follows: breakfast, 50 cents; lunch, 75 cents; dinner, \$1.00.

Advance Reservation Deposit. A deposit of \$10.00 must be paid when a room reservation is requested. This is a guarantee of the intention of the student to enter the College for the term or semester designated. It is deposited with the Department of Revenue to the credit of the student's account. If, however, the student notifies the College at least three weeks before the opening of the semester that he is unable to enter, or if the student is rejected by the College, repayment of this deposit will be made, through the Department of Revenue, on application from the student through the College authorities. Check or money order for this deposit should be drawn to the Commonwealth of Pennsylvania.

Activity Fee.

All Full-time students \$20.00 a semester	\$40.00
All Summer Session students (for each three weeks)	\$ 1.50

This fee, under the control of the Student Activities Association as approved by the Board of Trustees, covers membership in the Association, admission to lectures, entertainments, and athletic contests, subscription to the college newspaper, and certain other activities as defined by the Student Congress. Part-time students, including those taking extension courses, may secure the benefits of the activity program by paying the activity fee. Check should be made payable to the Student Activities Association. This fee is due on or before the date of registration.

OTHER FEES**(For the Year 1956-57)**

Fees For Out-of-State Students. Students whose legal residence is outside of the State of Pennsylvania shall be charged at the rate of \$9.00 per semester hour.

If an out-of-state student is enrolled in a special curriculum, he shall pay the special curriculum fee, in addition to the fee of \$9.00 per semester hour.

Damage Fee. Students shall be responsible for damages, breakage or loss, and the return of College property.

Transcript Fee. The first official transcript of record is issued without cost. A fee of \$1.00 is charged for each subsequent transcript.

Infirmary Fee. A boarding student who is ill is entitled to three days of infirmary service without charge. After that time the charge is \$1.00 a day.

Day students admitted to the infirmary are charged \$2.00 a day from the time of admission. This covers board and nursing service.

In no case does the infirmary fee include special nursing care or medical service.

Degree Fee. A fee of \$5.00 must be paid by each candidate for a degree. No student is considered to have met the requirements for graduation until this fee has been paid. This fee is payable upon notification from the Registrar, that the student is cleared for graduation.

Delinquent Accounts. All fees are payable in advance. No student may be enrolled or graduated, or receive semester grade reports or a transcript of his record until all previous charges have been paid.

Cost of Books. The estimated cost of textbooks is \$45 to \$60 a semester for students in the Elementary and Secondary Curricula. Students in the Industrial Arts Curriculum may expect to spend \$90 for the semester in which they take Introductory Mechanical Drawing, and \$60 each succeeding semester. Students may purchase books, materials, and other supplies through the College Book Store.

Repayments. Repayment will not be made to a student who has been dismissed temporarily or indefinitely suspended, or who has voluntarily withdrawn from the College; repayment of any part of the advance registration deposit will not be made for any cause whatsoever, except when a student has given notice of intention to withdraw at least three weeks before the College opens or has been rejected by the College.

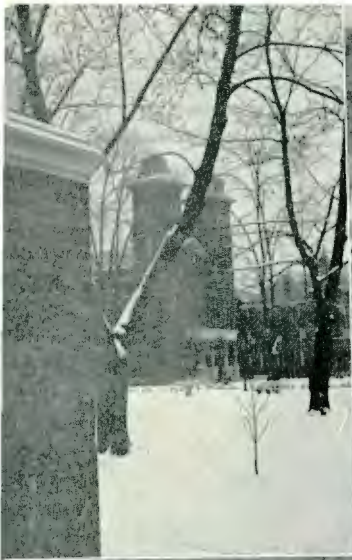
Repayment will be made for personal illness, when this is certified by an attending physician or for other reasons approved by the Board of Trustees, to the amount of the housing and contingent fees paid by the student for the part of the semester which he does not spend in the College.

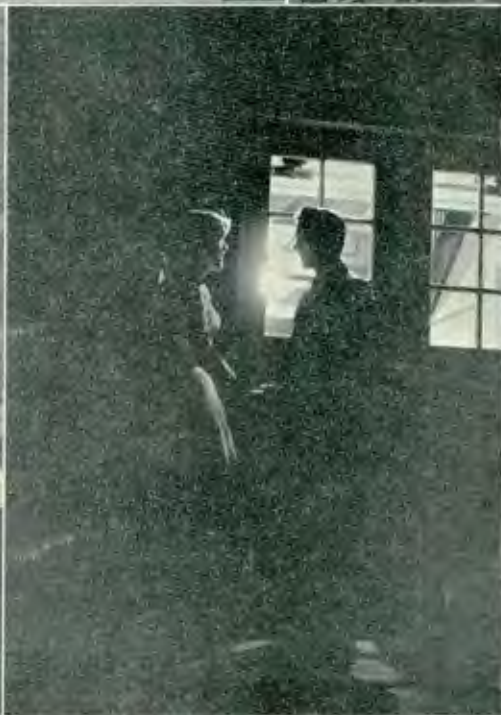
Letters requesting refunds should be addressed to the President.

Payment of Bills. All bills, including the contingent fee, board and room, and special fees, must be paid at the office of the Bursar. Book store business is conducted on a cash basis. Bank drafts, checks, and express and post office money orders are accepted. They should be drawn to the Commonwealth of Pennsylvania.

The Student Activity Fee must be paid on or before registration day, at the office of the Bursar, according to a regulation passed by the Student Congress and approved by the Board of Trustees.

Matriculation Cards. Upon completing registration, students are given matriculation cards which entitle them to admission to the classes for which they have registered. These cards must be carried at all times and presented when requested.





DESCRIPTION OF COURSES

The required and elective courses available at California are listed under the several divisional headings. Each course, when offered during the regular session, is taught for 18 weeks. The number of clock hours of instruction each week for the semester hours of credit is indicated. The clock hours listed are minimum; individual courses, because of special needs or exceptional facilities, occasionally exceed these established standards in the interests of better teacher-education.

Ordinarily courses bearing numbers from 1 to 19 are open to freshmen; those between 20 and 29, to sophomores; those over 30, to upperclassmen. Courses with odd numbers are usually given during the first semester, and those with even numbers in the second semester, unless for administrative reasons a change is necessary.

When courses cover two semesters, they usually carry the same titles and are numbered consecutively; thus, Chemistry I and II. As the first parts of such courses are seldom given during a second semester, students are advised to plan their programs accordingly, so that there will be no difficulty about meeting the requirements of areas for concentration or for graduation.

Not all the courses listed in this section are given in any one semester or even in any one year. Courses may even be withdrawn without notice. The hours and location of classes offered in any semester will be published or posted in a schedule at registration.

FINE ARTS DIVISION

EDWIN E. HALSTEAD, CHAIRMAN

ART

1. *Introduction to Art* two credits
 A course dealing with art as a vital part of contemporary living. Art of other ages will be given some consideration as a basis for interpreting the present. Students will be encouraged to experiment with materials in order to understand the creative process. Through a variety of experiences an attempt will be made to help students develop an awareness of and a sensitiveness to all forms of art.
 Three class hours each week.
021. *Preparatory Art* no credit
 A non-credit course in the principles and techniques of art practices, designed to prepare students who have had limited or no art experience for entrance into Art 21 and 22. Required of all students whose background in art is insufficient to enable them to pursue the professional courses with profit.
 Two laboratory hours each week.
21. *Art for the Elementary Grades* two credits
 Practice in freehand drawing and composition in various mediums; a study of the principles of design and color, with application to creative problems.
 Two class hours each week.
22. *Teaching Art in the Elementary Grades* three credits
 Development of problems suitable for the elementary grades; illustration, creative design, hookbinding, clay modeling and soap carving, posters, lettering, potato and linoleum block printing, and construction in paper, cardboard, cloth, scrap and other materials. Emphasis is placed upon the integration of art education with other school subjects.
 Four hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

- | | |
|---|---------------|
| 11. <i>Introduction to Color and Design</i> | two credits |
| 23. <i>Problems in Elementary Art</i> | three credits |
| 31. <i>Creative Art Activities</i> | three credits |

MUSIC

1. *Introduction to Music* two credits

This course provides an orientation in music experience which aims to equip the prospective teacher with a knowledge and understanding of music as it relates to general education and the art of daily living. Through the use of recordings, radio, concerts, and other media, every possible contact is made with music. The possibility of correlation with other subjects is explored. This course is required of all sophomores in general education. No prerequisite courses or special abilities are required. (One class hour may be integrated with World Culture II.)

Three class hours each week.

021. *Preparatory Music* no credit

A non-credit course in music skills, designed to prepare students who have had limited or no music experience for entrance into Music 21. Required of all students whose music background appears to be insufficient for them to pursue the professional courses with profit.

Two class hours each week.

21. *Music for the Elementary Grades* two credits

Designed to prepare the teacher in grades one to three to teach her own music under supervision. It includes the study of suitable rote songs, acquaintance with reading material, and oral and written ear training. The best practical methods are discussed and used in presenting the material.

Two class hours each week.

22. *Teaching Music in the Elementary Grades* three credits

An advanced course stressing more than ordinarily difficult and interesting work especially the singing of two and three-part music, designed to prepare and assist the teacher in grades four to six in teaching her own music under supervision. Teaching techniques and procedures are developed by the students through teaching the college class in typical school room situations. Prerequisite: Music 21.

Four class hours each week.

32. *Integrated Music Programs in Elementary Grades* three credits

EDUCATION DIVISION

HAROLD W. TRAISTER, CHAIRMAN

EDUCATION

1. *Professional Orientation* three credits

An orientation and guidance course acquainting prospective teachers with the opportunities and requirements of the profession; the relationship of the school to society; the organization and administration of the American school system. Extensive directed observation of various schools and learning situations will be required. Acceptable as credit for Introduction to Teaching.

Three class hours each week.

21. *Audio-Visual Education* two credits

Consideration of the need for sensory technique and materials in the learning process with attention given to the psychological principles involved are of major interest in this course. Other problems involve the acquaintance with and achievement of skills in specific techniques; finding sources for teaching material; learning situations including machines and other aids in the various teaching fields. Activities include actual production of materials for classroom use and participation in their use.

One class and two laboratory hours each week.

22. *Audio-Visual Workshop* two credits

An opportunity for more intensive study in the Audio, Visual, and Audio-Visual field with greater possibilities for the application of techniques involving sensory aids. Direct laboratory experiences involving machine competency and problem-solving situations are a major consideration. Motion picture film library experience is required. Special skills and abilities correlating this field provide areas for individual study. Prerequisite: Audio-Visual Education 21 or consent of the instructor.

Four laboratory hours each week.

*Personnel Pub. Div.
Industry*

32. *Introduction to General Semantics* three credits

A new science closely related to anthropology, biology, mathematics, and psychology. It is based on the concept that man, contrary to old theories of evolution, is not an animal. Man excels animals since he inherits not only biologically, but passes on knowledge. His knowledge inheritance becomes progressively greater and can be changed, thereby greatly affecting human development. The course is concerned with two questions basic to all teaching: (1) How to facilitate the accumulation of knowledge and (2) How to avoid interfering with the accumulation of knowledge. This course is a free elective in any curriculum.
Three class hours each week.

43. *Educational and Vocational Guidance* three credits

Educational, social, and vocational guidance emphasized, with some attention to the meaning, scope, and methods involved in the guidance movement.
Three class hours each week.

45. *Educational Tests and Measurements in the Elementary (or Secondary) Schools* two credits

A consideration of the simpler statistical measures, with particular stress on their application to classroom work, and of the principles underlying the construction of valid, reliable objective tests, with practice in the making of classroom tests in the various fields of subject matter.
Two class hours each week.

61. *Workshop in Education* varying credit

A seminar in which the experienced teacher works on his own pedagogical problems.

62. *Diagnostic and Remedial Instruction* three credits

An examination of the techniques of diagnosing reading difficulties and of determining appropriate remedial treatment. Opportunity is given for observing and participating in procedures in the reading clinic. Prerequisite: The Teaching of Reading.
Three class hours each week.

90. *Student Teaching for Teachers-in-Service* 1-3 credits

For teachers with three or more years' experience who are candidates for degrees and who have not completed the required number of semester hours in student teaching. After consultation with the Dean of Instruction and the Director of Student Teaching, the student will be assigned to a course suitable to his needs without duplicating courses already accredited. A student who has changed curriculums may not use this course to satisfy the student teaching requirement; he must earn at least six semester hours in accredited student teaching at the appropriate level.

The College is approved to offer the following courses which are not regularly scheduled:

- | | |
|---|---------------|
| 31. <i>Introduction to Philosophy</i> | three credits |
| 40. <i>Evolution of the American Public School</i> | two credits |
| 41. <i>Recent Trends in American Education</i> | two credits |
| 47. <i>School Law</i> | one credit |
| 51. <i>School and Community</i> | three credits |
| 52. <i>Marriage and the Family</i> | one credit |
| 53. <i>Parent Education</i> | three credits |
| 55. <i>Improvement of Adult Reading</i> | one credit |
| 71. <i>Organization and Preparation of Student Publications</i> | three credits |

ELEMENTARY EDUCATION

32. *Teaching of Reading* three credits

Scientific aspects of reading and problems in the teaching of reading in all elementary grades. Presentation in theory and practice, from careful examination of research and from observation, opportunity for the student to acquaint himself with a variety of modern reading materials and with approved techniques in their use. Problems of disability and their treatment.
Three class hours each week.

33. *Teaching of Language* three credits
 Survey of the content of the curriculum in English in the elementary grades. Methods of teaching oral and written composition, principles of grammar, poetry and literature. The teaching of handwriting is part of this course.
 Three class hours each week.
34. *Children's Literature* three credits
 A survey of those poems and stories known as children's literature, with the selection of appropriate material for use in the elementary grades. To assist teachers in evaluating the reading which the child enjoys, criteria for every type of reading are presented.
 Three class hours each week.
37. *Teaching of Elementary Science* three credits
 Methods of presenting science in each grade of the elementary school and with the important scientific facts and principles that should be taught in each grade. Stressed are field work, collection of materials, special techniques and demonstrations to adapt elementary science to local conditions. Elementary science syllabi of several states and cities are studied. Evaluations of elementary science texts and pamphlets now available for each grade.
 Three class hours each week.
38. *Teaching of Arithmetic* three credits
 The various processes and operations needed in the arithmetic of the elementary school are carefully analyzed so that the students may see just what must be taught and what problems and difficulties are likely to be encountered as this work is presented. Suggestions for meeting these problems and for preventing or correcting common arithmetical deficiencies.
 Three class hours each week.
39. *Teaching of Social Studies and Geography* three credits
 A survey of methods and techniques, stressing the profitable use of community resources, the development of healthy civic attitudes, and such specific problems as the grade placement of materials, testing, and procedures for creating sustained interest.
 Three class hours each week.
52. *Early Childhood Education* three credits
 A study of pre-school, kindergarten, and primary grade activities in the traditional and activity school programs, with a sound evaluation of the practical aspects of the latter. Opportunity is provided for the administering of readiness tests. Required for specialization in Early Childhood Education.
 Three class hours each week.
61. *Diagnostic and Remedial Reading* three credits
 Acquaintance with recent research in the field of reading to acquaint students with problems and needs common to incompetent readers and with the most successful materials and techniques for dealing with such problems. Demonstration and practice in testing, planning, and directing remedial programs with groups and individuals. Prerequisite: Teaching of Reading.
 Three class hours each week.
66. *New Methods in the Elementary School* three credits
 For supervisors and teachers interested in child growth through activities. Opportunities are provided for observation and participation, with emphasis on critical evaluation. The course is of special significance to teachers who, holding the normal school or the standard certificate, are working toward certification in elementary education.
 Three class hours each week.
71. *Special Problems in Elementary Education* one or two credits
75. *Professional Practicum Including School Law* two credits
 Methods and practices of teaching. General techniques of teaching in the elementary curriculum. Pennsylvania school laws relevant to the work of the classroom teacher. Problems encountered by the students in their student teaching.
 Two class hours each week.
80. *Student Teaching and Direction of Student Activities* twelve credits
 Observation and participation in all teaching and activities related to the performance of a teacher's work in the elementary grades. Prerequisite: A general quality point average of C or 1.0.
 The student spends full time in actual classroom teaching for a semester of 18 weeks.

The College is approved to offer the following courses which are not regularly scheduled:

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| 31. <i>Language Arts in the Elementary Grades</i> | nine credits |
| 36. <i>Social Living in the Elementary School</i> | nine credits |
| 51. <i>Pre-School Education</i> | three credits |
| 62. <i>Special Methods of Teaching Reading</i> | three credits |
| 65. <i>Creative Activities in the Elementary School</i> | three credits |
| 67. <i>Implications of Bulletin 233-B</i> | three credits |

SECONDARY EDUCATION

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| 41. <i>Problems of Secondary Education: Including Guidance</i> | three credits |
| Consideration of the practical problems of secondary teaching and organization. Survey of the basic structure and nature of American secondary education emphasizing guidance principles. Prerequisite: Professional Orientation.
Three class hours each week. | |
| 66. <i>Modern Methods in Secondary Education</i> | three credits |
| An analysis of the functions of secondary education and of classroom problems, followed up by the presentation of techniques for the solution of such problems advocated by the more recent literature in the field.
Three class hours each week. | |
| 71. <i>Special Problems in Secondary Education</i> | one or two credits |
| 75. <i>Professional Practicum Including School Law</i> | two credits |
| Methods and practices of teaching. General techniques of teaching and techniques for the students' special fields. Pennsylvania school laws relevant to the work of the classroom teacher. Problems encountered by the students in their student teaching.
Two class hours each week. | |
| 80. <i>Student Teaching and Direction of Student Activities</i> | twelve credits |
| Observation and participation in all teaching and activities related to the performance of a teacher's work, in the area of the student's specialization. Prerequisite: A general quality point average of C or 1.0.
The student spends full time in actual classroom teaching for a semester of 18 weeks. | |

INDUSTRIAL ARTS EDUCATION

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| 60. <i>Principles and Practices of Industrial Arts Teaching</i> | three credits |
| A requirement for the prospective industrial arts teacher in order that they may master a few of the fundamental principles, procedures and techniques of industrial arts teaching.
Three class hours each week. | |
| 61. <i>Curriculum Making in Industrial Arts</i> | two credits |
| Analysis of Industrial Arts objectives for curriculum content; emphasis by grade levels; criterion basis of content selection and appraisal; curriculum construction in selected areas.
Two class hours each week. | |
| 71. <i>Special Problems in Industrial Art</i> | one or two credits |
| 75. <i>Professional Practicum Including School Law</i> | two credits |
| Methods and practices of teaching. General techniques of teaching in the industrial arts curriculum. Pennsylvania school laws relevant to the work of the classroom teacher. Problems encountered by the students in their student teaching.
Two class hours each week. | |
| 80. <i>Student Teaching and Direction of Student Activities</i> | twelve credits |
| Observation and participation in all teaching and activities related to the performance of a teacher's work in the industrial arts curriculum. Prerequisite: A general quality point average of C or 1.0.
The student spends full time in actual classroom teaching for a semester of 18 weeks. | |

ORIENTATION

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| 1. <i>Freshman Orientation</i> | no credit |
| Opportunity for help in problems of personal adjustment, as well as for discussions of the history, traditions, and regulations of the College. Required for all entering freshmen.
One hour each week. | |

PSYCHOLOGY

21. *General Psychology* three credits

A comprehensive study of the origins, motives, and modifications of human behavior with emphasis on the scientific approval of analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing human living. Attention is given to the simpler techniques in psychological experimentation.

Three class hours each week.

22. *Educational Psychology and Evaluative Techniques* three credits

The nature of the learning process with emphasis on the application of the principles of psychology to the problems of learning and teaching. An important aspect of the course is the study of actual classroom problems and procedures by observation of regular work and by special illustrative demonstrations in the laboratory school. Prerequisite: General Psychology.

Three class hours each week.

31. *Child Development I* three credits

Acquisition of understanding and appreciation of the patterns of physical, mental, social, and emotional growth in the period of early childhood. Consideration of local, state, and national agencies concerned with the welfare and education of early childhood. Observation of learning situations in the family, school, and community environments.

Three class hours each week.

41. *Mental Hygiene* three credits

Problems of personality and mechanisms of adjustment, including a study of the origin and resolution of conflicts, and the role of emotion in the pattern of behavior are studied. Prerequisite: General Psychology.

Three class hours each week.

52. *Psychology of Exceptional Children* three credits

The problems of exceptional or atypical children. The major purpose is to gain a functional understanding of the various types of psychological and physical deviates, both as to the genesis of their behavior processes, their treatment, and the guiding principles involved in their training. Prerequisite: General Psychology.

Three class hours each week.

61. *Mental Tests* three credits

A study of intelligence, its nature and measurement, and the history and analysis of intelligence testing; practice in giving individual and group mental tests; the application of test results.

Three class hours each week.

62. *Clinical Psychology* three credits

Use of the case method of studying children; observation of and experience with the individual testing of mentality, vision, hearing, motor speed, coordination, and other capacities. Enrollment is limited to small groups.

Three class hours each week.

66. *Practicum in Psychological Clinic* varying credits

Case studies, practice in the giving, scoring, and interpretation of mental tests, the making of personal inventories, and the use of clinical instruments. One semester of credit is allowed for each 50 hours of work satisfactorily completed. Maximum credit: six semester hours. Open only to students who have the proper prerequisites and to graduate students specializing in psychological work. Admission by consent of the Director of the Clinic and the Dean of Instruction.

The College is approved to offer the following courses which are not regularly scheduled:

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| 32. <i>Child Development II</i> | three credits |
| 33. <i>Child Psychology</i> | three credits |
| 34. <i>Child Adjustment</i> | three credits |
| 36. <i>Psychology of Adolescence</i> | three credits |
| 42. <i>Educational Hygiene</i> | three credits |
| 43. <i>Personality Adjustment</i> | three credits |
| 51. <i>Abnormal Psychology</i> | three credits |
| 63. <i>Methods of Psychological Counseling</i> | three credits |

ATYPICAL EDUCATION

21. *Art Crafts for Atypical Classes* three credits
 Studies in the sources, design, and manipulation of various materials suited to handiwork, including projects in wood, leather, metal, cardboard, hand-loom weaving, rake and spool knitting, and chair caning. Prerequisite: Art I.
 Six laboratory hours each week.
22. *Advanced Art Crafts* three credits
 Practice in two- and four-harness loom weaving and in selection of equipment, patterns, drafts, warp, tabby, and yarns. Prerequisite: Atypical Education 21 or consent of the instructor.
 Six laboratory hours each week.
32. *Diagnostic Testing and Remedial Teaching* three credits
 Study of achievement tests useful for diagnostic purposes. Teaching procedures adjusted to particular needs or weaknesses. To include all school curriculum, elementary and secondary.
 Three class hours each week.
41. *Atypical Class Methods* two credits
 Consideration of methods of handling Atypical-class children, classroom organization, articulation with the regular school program, and purposes of Atypical classes. At least one period of classroom observation a day, followed by conferences, is required.
 Three class hours each week.
42. *Atypical Class Administration* two credits
 Problems in the selection and placement of children in Atypical class programs. Type and costs of equipment needed. Meeting parent and community problems. Education of teachers, parents, school board and community of values in Atypical programs. Selecting Atypical class teachers and planning for improvement in service.
 Two class hours each week.
85. *Student Teaching in Classes for Mentally Retarded Children* one credit
 Student teaching in the Laboratory School atypical class under the supervision of the directing teacher. One-half day a week of actual classroom teaching is required for minimum credit.
 Three class hours each week.
 The College is approved to offer the following courses which are not regularly scheduled:
23. *Elementary Industrial Arts* three credits
 31. *Teaching the Exceptional Child* three credits
 45. *Corrective Physical Education* two credits

HEALTH AND PHYSICAL EDUCATION

EUGENE J. HESTER, CHAIRMAN

HEALTH

1. *Health I* two credits
 Consideration is given to physical and mental equipment of the individual with the hope that practical application will be made in personal and community living.
 Two class hours each week.
35. *Teaching Health and Physical Education* two credits
 A consideration of the health of the elementary school child, including his growth, development and training in wholesome health ideals, attitudes and habits. Methods of presenting the material given in the State course of Study are stressed.
 Two class hours and one practice hour each week.
 The College is approved to offer the following courses which are not regularly scheduled:
36. *Teaching of First Aid in the Public Schools* two credits
 37. *Home Nursing* two credits
 38. *Swimming I* two credits

PHYSICAL EDUCATION

1. *Physical Education I* one credit
 The purpose is to help students attain a high degree of physical fitness and to grow in mental and emotional fitness through a program which includes seasonal sports. The development of those skills which may be carried on in college and after college life.
 Three class hours each week.
21. *Physical Education II* one credit
 To further develop skills and physical aptitudes and to grow in mental and emotional fitness. Emphasis being placed on individual sports. Prerequisite: Physical Education I.
 Three class hours each week.
22. *Physical Education III* one credit
 Specialization in selected activities aimed to bring personal performance ability to advanced levels. Prerequisite: Physical Education I and II.
 Three class hours each week.

HIGHWAY SAFETY AND DRIVER EDUCATION

50. *Organization and Administration of General Safety Education* three credits
 The development of habits and attitudes that will make for safe living by both teachers and students. Acquaintance with 1. Rules, regulations and laws concerning the operation of motor vehicles; 2. Rules and regulations of pedestrian travel; 3. Other hazards to which we are commonly subjected such as fire, electricity, etc., especially in the home and school.
 Three class hours each week.
51. *Driver Education and Traffic Safety in Secondary Schools* three credits
 Classroom instruction combined with road training and the teaching of driving to beginners using dual control cars. Emphasis is placed upon the essential facts, principles, skills and attitudes necessary for good driving and the teaching of same to beginning drivers. Ability to use and interpret the results of psycho-physical testing is required.
 Three class and three practicum hours each week.
52. *Organization and Administration in Safety Education in Secondary Schools* three credits
 Curriculum content and experiences for all school grades in safety education, its organization and graduation for teaching purposes. Ways and means of administering a safety education program.
 Three class hours each week.
53. *Visual and Other Aids in Safety Education* three credits
 Discussion of practical values in visual and other sensory aids; guiding principles and technique in the teaching of safety education.
 Two class and two practicum hours each week.
58. *Materials and Methods in Teaching Safety Education in Elementary Schools* three credits
 The development of habits and attitudes that will better enable the elementary school teacher in the teaching of safety at home and in the school. Evaluation of curricular materials, teacher as safety counselor, basic facts relating to accidents and hazards.
 Three class hours each week.
 The College is approved to offer the following course which is not regularly scheduled:
54. *The Psychology of Accident Prevention* three credits

MILITARY SCIENCE

The College is approved to offer the following courses which are not regularly scheduled:

1. *Elementary Reserve Officers Training Corps* one and one-half credits
2. *Elementary Reserve Officers Training Corps* one and one-half credits
21. *Basic Reserve Officers Training Corps* one and one-half credits
22. *Basic Reserve Officers Training Corps* one and one-half credits

INDUSTRIAL ARTS DIVISION

SHRIVER L. COOVER, CHAIRMAN

DRAWING AND DESIGN

1. *Introductory Mechanical Drawing* two credits
A beginning course in mechanical drawing with the major emphasis upon the theory of projection, blueprint reading, sketching, graphs and charts, and basic forms of representation such as multi-view projection, auxiliary projection, sectioning, revolutions, dimensioning, isometric drawings and oblique drawings.
Four laboratory hours each week.
2. *Graphic Arts Design* two credits
Consideration of the principles of design and color as applied to printing.
Four laboratory hours each week.
3. *Engineering Drawing* two credits
A study of technical sketching, use and care of instruments, orthographic and auxiliary projection drawing with dimensions and sections, reproduction processes, and vertical freehand lettering.
Six laboratory hours each week.
4. *Descriptive Geometry* two credits
Application of the theory of projection drawing to solving engineering problems by projection and revolution of points, lines, planes, and solids. Prerequisites: D & D 3.
Six laboratory hours each week.
21. *Sheetmetal Drafting* two credits
A course in practical workshop problems which arise in everyday practice.
Four laboratory hours each week.
22. *Machine Drawing and Design* two credits
Special emphasis upon American Standard Drawing Room Practice in the development of mechanical engineering drawings, conventional representation, standardization of machine parts and fasteners, preparation of tracings, and the reproduction of industrial working drawings.
Four laboratory hours each week.
31. *Electrical Drafting and Theory* two credits
Fundamental theory of electricity with emphasis on practical application. Includes basic practice in dealing with electrical measuring units and their circuit applications. Making and reading electrical drawings and diagrams is a part of the work. Prerequisites: D & D I, knowledge of Algebraic equations, and enrollment in Shop 31.
Two class hours and two laboratory hours each week.
36. *Industrial Arts Design* two credits
A study of the history, development, and appreciation of good design in furniture, pottery, and art metal; of the principles of structural composition; and of examples of furniture, pottery, wrought iron fixtures, and the products of related crafts which exemplify these principles.
Four laboratory hours each week.
41. *Advanced Mechanical Drawing* two credits
Special emphasis is placed upon the basic principles involved in machine design. The possibilities and limitations of the common metals, mechanical movements, the use of fasteners, and the application of machine fits are stressed.
Four laboratory hours each week.
42. *Architectural Drawing and Design* two credits
Study of the principles of architectural design, including floor plans and elevations, and of building construction and materials; the writing of specifications; the planning of shop layouts. Prerequisite: Drawing and Design I, or consent of the instructor.
Four laboratory hours each week.
60. *Shop Sketching (Technical Sketching)* two credits
A course in the basic principles of school shop planning, including practice in black-board demonstration, the use of teaching aids and devices, stencil cutting, and various methods of reproducing instructional materials.
Four laboratory hours each week.

The College is approved to offer the following course which is not regularly scheduled:

37. *Advanced Design* two credits

SHOP

1. *Fundamentals of Woodworking* four credits
 A beginning course in woodworking with the major emphasis upon hand tool operations, wood turning, jig-saw work and wood finishing. A variety of projects are constructed which may be used in a later teaching situation in the public schools. The planning process is demonstrated and used by the students in addition to a pupil personnel system both of which have a place in the Industrial Arts work.
 Two demonstration and six laboratory hours each week.
2. *Fundamentals of Graphic Arts* four credits
 A study of the fundamental principles of letterpress printing; hand composition; proof-reading; imposition; press make-ready, operation and care; paper estimation and cutting; elementary binding.
 Two demonstration and six laboratory hours each week.
21. *Fundamentals of Sheetmetal* four credits
 An introductory course giving instruction in seaming, riveting, forming, and soldering. Projects suitable for junior and senior high school boys are designed and constructed.
 Two demonstration and six laboratory hours each week.
22. *Fundamentals of Machine Shop* four credits
 Instruction in the operation of hand and machine tools, including the engine lathe, and in foundry and forge practice, including the heat treatment of steel.
 Two demonstration and six laboratory hours each week.
31. *Fundamentals of Electricity* four credits
 Shop experiences designed to acquaint the student with the basic tools, materials and processes fundamental to living in an industrial society. Includes work in source of power, measuring instruments, basic circuits, home-wiring, and electrical maintenance.
 Two demonstration and six laboratory hours each week.
32. *Advanced Electric Shop* four credits
 Advanced practice with electrical circuits and appliances. Special attention is given to preparation of teaching materials for electricity including project design and visual aids.
 Two demonstration and six laboratory hours each week.
33. *Electronics (Radio)* four credits
 A course in the fundamentals of electronic theory in its application to radio and television, with practice in radio repair and maintenance and in the construction of radio receivers.
 Two demonstration and six laboratory hours each week.
36. *Advanced Woodworking* four credits
 A course in advanced machine work, covering the history, maintenance, and care of wood-working machines, the painting and finishing of woods, and the physical properties and uses of domestic and foreign woods. Prerequisite: Shop I and D and D I.
 Two demonstration and six laboratory hours each week.
37. *Patternmaking* four credits
 For students who wish to major in woodworking in preparation for teaching a unit shop. Basic principles involved in the making of wood patterns and core boxes are stressed. Techniques are demonstrated.
 Patterns and core boxes made by students are used in the school foundry.
 Two demonstration and six laboratory hours each week.
41. *Advanced Machine Shop* four credits
 A course providing experience in the operation of the milling machine, shaper, the drill press, and the engine lathe; in indexing, and in the heat treatment of metals. Special emphasis is placed upon assembly and mass production. Prerequisite: Shop 22.
 Two demonstration and six laboratory hours each week.
42. *Special Machine Shop* four credits
 Project work in machine shop practice. Admission only by consent of the instructor.
 Two demonstration and six laboratory hours each week.
50. *Fundamentals of Art Metal* four credits
 The application of the principles of design to copper, brass, and pewter. Representative projects include letter openers, book ends, and lanterns.
 Two demonstration and six laboratory hours each week.

52. *Cold Metal (Wrought Iron)* four credits
 Development and construction of ornamental iron projects, including lamps, candle holders, wood baskets, and other projects suitable for high school shops. The work includes both cold and hot forming.
 Two demonstration and six laboratory hours each week.

60. *Advanced Graphic Arts* four credits
 A continuation of Shop 23, covering the organization of suitable shop equipment and teaching material, and providing experience in the study, selection and development of binding projects suitable for secondary schools.
 Two demonstration and six laboratory hours each week.

71. *Crafts* four credits
 The application of design as it applies to the arts and crafts. Various craft processes and techniques are organized into units of work suitable for elementary education, hobby clubs, summer camp programs, and rehabilitation.
 Two demonstration and six laboratory hours each week.

72. *Fundamentals of Ceramics* four credits
 A background course in the major forming, decorating and firing processes in clay. Handbuilding, casting, and throwing are emphasized in the development of individual artware and pottery pieces.
 Two demonstration and six laboratory hours each week.

73. *Costume Jewelry* *Jewelry Making* four credits
 Consideration of the basic principles for making metal and ceramic jewelry, supplemented by the construction of various pieces.
 Two demonstration and six laboratory hours each week.

74. *Plastics* four credits
 A general introduction to the history and development of plastics, with laboratory work in the designing and construction of plastic products.
 Two demonstration and six laboratory hours each week.

76. *Fundamentals of Leatherwork* four credits
 A course planned to give experience in the use of tools requisite to cutting, skiving, tooling, embossing, stamping, lacing, and braiding; Projects are suitable for use in camps and in senior high schools.
 Two demonstration and six laboratory hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

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| 43. <i>Foundry</i> | four credits |
| 46. <i>Advanced Sheetmetal Shop</i> | four credits |
| 47. <i>Fundamentals of Auto Mechanics</i> | four credits |
| 48. <i>Advanced Auto Mechanics</i> | four credits |
| 49. <i>Special Auto Mechanics (Body & Fender)</i> | four credits |
| 51. <i>Advanced Art Metal</i> | four credits |
| 56. <i>Fundamentals of Welding</i> | four credits |
| 58. <i>Metal Work</i> | four credits |
| 61. <i>Advanced Typography and Book Design</i> | four credits |
| 65. <i>Graphic Presentation and Bookbinding</i> | four credits |
| 66. <i>Photography</i> | four credits |
| 70. <i>Comprehensive General Shop</i> | four credits |
| 78. <i>Textiles</i> | four credits |
| 79. <i>Elementary Industrial Arts Activities</i> | three credits |
| 80. <i>Wood Cabinet Making</i> | four credits |

COMMUNICATIONS

1. *Communication I* five credits
 The study of communication provides both vicarious and direct development of abilities for personal expression. It includes extensive practice in reading, speaking, and writing in language and form, appropriate to social and professional situations; and instruction in the use of formal and informal discussion techniques on Library usage. A special unit orients the student to the resources and use of the college library.
 Five class hours.
2. *Communication II* five credits
 This developmental program includes the refinement and extension of skills and techniques of Communication I with special emphasis on the basic reading, speaking, and writing appropriate to the various fields of learning. Prerequisite: Communication I.
 Five class hours.

ENGLISH COMPOSITION

1. *English 1* three credits
 Review of grammar in detail, analysis of construction, functional practice, remedial drill in punctuation, spelling, and mechanics of English; vocabulary study. Writing of brief compositions and analysis for structural faults and errors in diction. Library Usage, separate unit additional to English I is introduction to use of the library taught by a member of the college library staff.
 Three class hours each week.
2. *English 2* three credits
 Study and application of the laws of composition; methods and types of exposition; description and narration. Paragraph and theme writing; analysis of literary samples; book reviewing; outlining; assembling bibliography. Continued functional practice in mechanics. Prerequisite: English I.
 Three class hours each week.
31. *Advanced Composition* three credits
 Advanced experience in writing is afforded through the preparation of reviews, digests, critical reports, employing expository, descriptive and argumentative techniques.
 Three class hours each week.
32. *English Philology and Grammar* three credits
 The course introduces students to the scientific and historical study of the development of modern English and the discernible trends in language today through the use of the exercises in phonetics, etymology, and dictionary usage.
 Three class hours each week.
33. *Journalism* three credits
 The organization, management and supervision of the content of school publications, the preparation of school publicity materials, and the development of journalistic style is acquired through practical participation in journalistic activities.
 Three class hours each week.
34. *Creative Writing* three credits
 An advanced course for students of marked ability in the creative processes of writing. The course aims to develop creative ability, to improve the student's own style, and to furnish methods and materials for the teaching of composition in the secondary schools.
 Three class hours each week.
 The College is approved to offer the following course which is not regularly scheduled:
11. *Invitation to Literature* three credits

LITERATURE

- 11, 12. *General Literature 1 and 2* two credits
 As an introduction to literature, this course is designed to provide opportunities for both wide and extensive reading which will familiarize students with the development of human thought as it has found expression in the recognized literary masterpieces of all times and peoples.
 Two class hours each week.

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31. *English Literature* three credits
 English Literature is surveyed from Anglo-Saxon times to the present with emphasis on recognized masterpieces. The course has two basic aims: (1) broader knowledge of the growth of English letters and their relation to historical movements, (2) wide reading and more intelligent appreciation.
 Three class hours each week.
32. *American Literature* three credits
 The course is a survey of representative American writings from colonial times to the present. Particular attention is given to those writings which best exemplify democratic ideals and national character.
 Three class hours each week.
39. *Children's Literature and Story Telling* three credits
 An introduction to important children's books, old and new, and to techniques for the presentation of book materials. It encourages wide reading of juvenile literature and provides criteria for and experience in the evaluation of children's books.
 Three class hours each week.
42. *Shakespeare* three credits
 The work of this course is a study of selected comedies, tragedies, and historical plays by Shakespeare, together with the social, historical, and literary background necessary for their full appreciation. Particular reference is made to those plays most frequently included in secondary school curriculums.
 Three class hours each week.
43. *Eighteenth Century Literature* three credits
 A critical consideration of significant eighteenth-century writers with emphasis upon the struggle between tradition and revolt as reflected in the works of Pope, Johnson, Addison, Swift, Goldsmith, Burns, and other representative writers of the period.
 Three class hours each week.
44. *The Romantic Movement* three credits
 A study of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries, in the light of social background and biographical and critical doctrine.
 Three class hours each week.
45. *Victorian Literature* three credits
 Victorian culture is studied through its interpretations by poets and essayists of the period, with particular reference to the writing of Carlyle, Ruskin, Newman, Browning, Tennyson.
 Three class hours each week.
46. *The Novel to 1870* three credits
 A study of the rise and development of the novel in English from its predecessors of the eighteenth century to Hardy and Mark Twain. A selected list of novels is assigned for analysis with a view to cultivating an appreciation of this dominant literary form.
 Three class hours each week.
47. *Modern Drama* three credits
 A comprehensive view of the best dramatic literature of the modern American and British theatre since 1890 is presented through lectures, discussions, and experiences related to the contemporary stage.
 Three class hours each week.
50. *The Essay* three credits
 The history and development of the essay as a distinctive literary form, together with readings in current periodical non-fiction and provision for opportunities for self-expression through writing.
 Three class hours each week.
51. *Contemporary Novel* three credits
 A study of modern and contemporary movements in fiction based on the critical reading and analysis of English and American novels published since 1870.
 Three class hours each week.
53. *Short Story* three credits
 The development of the short story as a distinct and popular current literary form is traced through its history and technique. Recent tendencies are investigated and wide reading in current periodicals is encouraged.
 Three class hours each week.

54. *The Literature of Biography* three credits
 A study of the historical development of biographical writing with readings from Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard and contemporary biographers.
 Three class hours each week.
60. *Teaching of English in the Secondary School* three credits
 The content of language-arts requirements of the secondary schools is reviewed, with special reference to grade-placement and adaptation of materials, appraisal of results, and the development of programs of study. Directed observation in the laboratory school is frequently employed.
 Three class hours each week.
- The College is approved to offer the following courses which are not regularly scheduled:
33. *American Poetry* three credits
 34. *American Prose* three credits
 41. *Pre-Shakespearean Literature* three credits
 52. *Contemporary Poetry* three credits
 55. *Literary Criticism* three credits
 71. *Special Problems in English* 1 or 2 credits

GENERAL SPEECH

1. *Speech 1* two credits
 Study and application of fundamental principles of effective speaking; training in selection, organization, and development of material suitable for speeches; recordings and analysis of voice, emphasis on personality adjustment as related to speaking-listening situations; diacritical marking and vocabulary building.
 Two class hours each week.
2. *Speech 2* two credits
 Continuation of Speech 1 with special emphasis on group discussion and parliamentary procedure; expository, narrative and descriptive material; speeches for special occasions; interpretative or choral reading.
 Two class hours each week.
21. *Phonetics and Voice* three credits
 Introduction to the study of English speech sounds. Practice in reading dictation and transcription of the students' own speech and that of others from phonograph records.
 Three class hours each week.
22. *Oral Interpretation* three credits
 For prospective teachers of public speaking, acting, literature and broadcasting, a cultural course in poetry, drama, and other literary forms.
 Three class hours each week.
25. *Speech Development and Improvement* three credits
 Discussion of the evolution of speech from the birth-cry through the kindergarten, elementary and secondary levels of development. The course further considers the fundamentals of voice and speech production; voice and speech difficulties and materials for acquisition and continued use of good voice and acceptable speech patterns at all levels.
 Three class hours each week.
31. *Play Production* three credits
 Theory and practice in directing. Each student makes a prompt-book and directs and stages, either at the college or in his community, a one-act play.
 Two class and three laboratory hours each week.
32. *Stagecraft, Scenic Design and Lighting* three credits
 A workshop course in designing and constructing stage settings, modeling stages to scale, lighting, and making back-stage equipment and properties.
 Two class and three laboratory hours each week.
33. *Costume and Make Up* three credits
 A study of the history of costuming from ancient to modern times, supported by projects in costume design, including the consideration of fabrics, the dyeing of materials, and the effects of lights; and methods of applying make-up.
 Three class hours each week.

35. *Creative Dramatics and Story Telling* three credits
 The adaptation of stories to scripts and the techniques of acting through actual participation in contemporary and classical play cuttings, with emphasis on the methods of teaching dramatics in elementary and secondary schools.
 Three class hours each week.
44. *Television Studio Workshop* three credits
 An introduction to the mechanics of television studio production from the point of view of the director, conducted in a fully equipped professional studio. Class instruction is concerned with the following topics: practice in the operation of studio equipment, the functions of the director, production assistants, floor manager, the setting up of shots, and the on-the-air calling of picture sequences.
 One class and five laboratory hours each week.
45. *Choral Speaking* three credits
 Practice of correct and expressive speech through the group achievement of the verse-speaking choir. The course is designed to aid both elementary and secondary teachers in the organization, selection of materials, methods, and direction of choral speaking.
 Three class hours each week.
51. *Teaching of Speech in Secondary Schools* two credits
 Problems in the selection of materials for courses of study, forensics, group discussion, assemblies, dramatics and correction and improvement programs on the secondary level. This study is planned to benefit students specializing in the teaching of oral English, speech, and dramatics and those supervising extra-curricular activities in the speech field.
 Two class hours each week.
- The College is approved to offer the following courses which are not regularly scheduled:
34. *Community Dramatics and Pageants* three credits
 41. *Radio I* three credits
 42. *Radio II* three credits
 43. *Introduction To Television* three credits
 46. *Debate, Group Discussion and Parliamentary Procedure* three credits
 71. *Special Problems in Speech* one or two credits

SPEECH CORRECTION

11. *Speech Education and Re-education in Elementary and Secondary Schools* three credits
 A survey of methods, procedures and equipment in order to deal more intelligently as to what we do and what we can do for children and communities.
 Three class hours each week.
21. *Phonetics* three credits
 The application to articulatory speech disorders of a sound-by-sound analysis of speech. Palatography, through lectures and research, is used to give a composite picture of each sound.
 Three class hours each week.
22. *Voice and Diction* three credits
 A course planned to aid teachers in gaining vocal control. Part of the time is devoted to correction, pronunciation, articulation, and enunciation.
 Three class hours each week.
25. *Speech Pathology* three credits
 A foundation course for speech correction, including a study of the anatomy and physiology of the speech mechanism and some consideration of the causes, symptoms, nature, and management of speech disorders.
 Three class hours each week.
26. *Anatomy of Speech and Hearing Mechanisms* two credits
 A study of the ear, its functions, mechanism, and capabilities in the performance necessary for speech.
 Two class hours each week.

31. *Elementary Clinical Practice* three credits
Practice in clinical procedure; a review of speech disorders and methods of diagnosis and remedial treatment; opportunity for the accumulation of corrective materials and observation of the work of the speech clinician.
Six laboratory hours each week.
32. *Advanced Clinical Practice* three credits
Correctionist practice. Each student is responsible for his own cases, including diagnosis, analysis, therapy, reports, follow-up, and other problems, with supervision as needed.
Six laboratory hours each week.
35. *Hearing Problems* three credits
The appreciation of the many problems of children and adults with hearing losses in order to acquaint interested persons as to how to improve and to better adjust the child or adult to his hearing problem.
Three class hours each week.
51. *Speech Problems* three credits
Acquaintance of students with the various speech problems common to children in the elementary school. Emphasis is placed upon remedial techniques. The study of materials, methods, and techniques used by the classroom teacher in improving the speech of all children.
Three class hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

27. *Measurement of Hearing Loss* two credits
36. *Auditory Training and Speech Reading* three credits
39. *Clinical Methods in Speech Hearing* three credits
71. *Special Problems in Speech Correction* one or two credits

PUBLIC SCHOOL NURSING

41. *Public School Nursing* two credits
A study of the development, planning and procedures of carrying out a school health program.
Two class hours each week.
42. *Public School Organization* two credits
A study of the general characteristics of the American School System especially in the public schools. Emphasis on structural organization and administration and essential functions.
Two class hours each week.
43. *Family Case Work* three credits
An introduction to social work with a brief survey of community resources. How social worker and nurse can work together for more effective service of the individual.
Three class hours each week.
44. *Public Health Nursing I* three credits
A study of the fundamental principles of public health nursing.
Three class hours each week.
45. *Public Health Nursing II* three credits
Applies the principles of public health nursing and gives function of nurse in various services of public health nursing such as child hygiene, communicable diseases, industrial nursing, tuberculosis, venereal diseases, cancer and polio.
Three class hours each week.
46. *Nutrition and Community Health* two credits
A study of the role of nutrition in attaining and maintaining good health throughout life, includes teaching family nutritional health and planning food budgets for various income groups.
Two class hours each week.

GEOGRAPHY

GEORGE E. HARDING, CHAIRMAN

1. *World Geography* three credits
 A basic course organized to develop a knowledge and appreciation of the physical factors of the environment, and man's adjustment to them. World patterns of land forms, climate, soils, vegetation, etc., are emphasized in relation to their influence on the economic and cultural activities of man.
 Three class hours each week.
21. *Economic Geography* three credits
 A study of the activities whereby man makes a living. World production in agriculture, forestry, mining and manufacturing; distribution of population; and world trade are considered and the knowledge acquired is applied to an interpretation of world problems. The course furnishes a background for greater understanding of national and international affairs.
 Three class hours each week.
23. *Conservation of Natural Resources* three credits
 A study suitable to the needs of teachers of geography, economics, biology and history. It considers major government projects, minerals, soil, and water and plant resources.
 Three class hours each week.
25. *Geography of the United States and Pennsylvania* three credits
 An analysis of population, land utilization, production and trade, through a comprehensive study of the relations between the physical factors of the environment and man. The first part of the course deals with Pennsylvania, and through its economic position within the States, proceeds logically to an analysis of the nation as a whole and its world relations. Prerequisite: World Geography.
 Three class hours each week.
26. *Geography of Pennsylvania* three credits
 A regional analysis of Pennsylvania, emphasizing man's cultural and economic response to environmental factors. Special attention is given to the resources of the state, analyzing their extent, their use, the need for well directed conservation, and the regional planning program of the Commonwealth. Field trips are an integral part of the course. Prerequisites: World Geography and the Geography of the United States and Pennsylvania.
 Three class hours each week.
27. *Geography of the United States and Canada* three credits
 A regional study of the United States and Canada, considering man's adjustment to the physical factors of relief, climate, soil, vegetation and mineral resources. Political structure, and the relations between the two countries and the rest of the world are analyzed from a geographic point of view. Prerequisite: World Geography.
 Three class hours each week.
31. *Geography of Latin America* three credits
 A comparative study of the geographical regions of Middle and South America. The Latin American relations with the United States and the rest of the world are interpreted through an analysis of the economic, social and cultural activities of man in relation to the physical factors of his environment. Prerequisite: World Geography.
 Three class hours each week.
35. *Geography of Europe* three credits
 A regional study of Europe designed to create a better understanding of the environmental influences of the area upon man. A geographic analysis of the relief, climate, soil, resources, and the social and economic progress of the people with respect to their local development, and with the other peoples of the world.
 Three class hours each week.
41. *Geography of Asia* three credits
 An economic study of the major geographic regions of the Soviet Union, Southwestern Asia, and India. Special emphasis is placed on the recent cultural and political changes in the area and the significance of these changes to the world economy. Prerequisite: World Geography.
 Three class hours each week.
46. *Geography of Africa and Australia* three credits
 A regional study of Africa, Australia and the neighboring islands of the Pacific, showing the social and economic development of these lands in relation to their physical environment. The political affiliation of these lands, the geographic aspects of the problems of colonies, land tenure, race, and the significance of strategic location and production are considered. Prerequisite: World Geography.
 Three class hours each week.

50. *Field Courses* varying credit

Planned trips, especially in summer sessions, during which daily guide sheets are issued, and lectures and discussions are conducted.

55. *Geographic Influences in American History* three credits

A study of the relations between the natural environment and the historical movement of man. The course emphasizes the influence of coasts, islands, rivers, mountains, vegetation, and soil in the exploration and the settlement of the United States and in expansion of the American people from a small nation to a great world power. Prerequisites: World Geography and Geography of the United States.
Three class hours each week.

60. *Teaching Geography in Secondary Schools* three credits

A survey of available materials and current curricula in the field of geography form the basis for analysis of modern techniques in the teaching of geography. Emphasis is placed on the importance of geographic thinking in the interpretation of national and international problems, acquisition of good habits for citizenship, analysis of text books and courses contributing to these objectives.
Three class hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

11. *World Problems in Geography* three credits

42. *Geography of the Far East* three credits

51. *Cartography* three credits

56. *Trade and Transportation* three credits

57. *Commercial and Industrial Geography* three credits

58. *Commercial Air Transportation* three credits

71. *Special Problems in Geography* one or two credits

New member
21. *Physics* — *Elective For* *Physics* — *First*
~~EARTH SCIENCE~~ — *SECOND*

21. *Astronomy (Descriptive)* three credits

Recognition of the various elements of the solar system, their physical characteristics and motions, the phenomena of the galactic system and the extra-galactic space and the constellations, with a consideration of the mathematical phases generally omitted from studies of this kind.
Three class hours each week.

31. *Geology (Physical)* three credits

A study of the surface forms, composition, and structure of the earth. Emphasis is placed on the agencies which are continually at work altering the earth's surface forms, the classifications and interpretation of rocks, and the evolution of life. Prerequisite: World Geography.
Three class and three laboratory hours each week.

35. *Physiography* three credits

A study of the physical phenomena as dynamic forces affecting man. The content of the course consists of a systematic study of land forms, their origin and the forces that produced them, soils, minerals, water resources, and their effect on man. Prerequisite: World Geography.
Three class hours each week.

36. *Meteorology* three credits

A systematic study of the atmosphere. The course analyzes the laws and underlying principles of atmospheric change. An opportunity is afforded the student to become familiar with the common weather instruments, to observe and record weather data, to read and interpret weather maps, and to consider the problems of aviation growing out of atmospheric condition. Prerequisite: World Geography.
Three class hours each week.

37. *Climatology* three credits

A systematic study of the climatic regions of the world and the advantages and limitations of each for man's occupation. The physical aspects of the atmosphere and the regional characteristics of climate are investigated. The course is valuable background material for the course World Problems in Geography. Prerequisite: World Geography.
Three class hours each week.

MATHEMATICS

1. *Fundamentals of Mathematics* three credits
 Development of the number system; nature and application of fundamental processes; extension of the number system to include common and decimal fractions and negative numbers; approximate nature of measurements; per cents; language of algebra including formulas, graphs, tables, and equations; meaning of proof; elementary concepts of statistics; art of indirect measurement; additional topics of interest to students.
 Three class hours each week.
11. *College Algebra* three credits
 Fundamental operations, factoring; fractions; exponents; functions and their graphs, linear, quadratic, and systems of equations; proportion and variation; progressions; mathematical induction; logarithms; determinants; permutations; and combinations. Prerequisites: 1 year high school algebra and 1 year high school geometry.
 Three class hours each week.
12. *Trigonometry* three credits
 Functions of an angle; logarithms; use of tables; radians; identities; trigonometric and exponential equations; solution of triangles by natural functions and logarithms; inverse functions; complex numbers; application in practical problems.
 Three class hours each week.
21. *Analytical Geometry* three credits
 Correlation of algebra and geometry in finding equations of loci and loci corresponding to certain equations; properties of the straight line, the circle and conic sections; rectangular and polar coordinates; transformation of coordinates; parametric equations; a brief introduction to three dimensions. Prerequisites: College Algebra and Trigonometry.
 Three class hours each week.
22. *College Geometry* three credits
 Extension of competency in geometry; modern problems of the triangle and the circle; further development of rigorous proof; constructions based on loci and indirect elements; non-euclidean geometry. Prerequisites: High school plane geometry.
 Three class hours each week.
31. *Calculus I (Differential)* three credits
 Elementary concepts of limits; the derivative; applications of the derivative to maxima and minima, rates, velocity, acceleration; introduction of integration as the inverse of differentiation. Prerequisite: Analytical Geometry.
 Three class hours each week.
32. *Calculus II (Integral)* three credits
 Integration as the inverse of differentiation; formulas of integration; the definite integral; methods of integration; integration as the limit of a sum applied to areas, volumes, lengths of curves and other practical problems. Prerequisite: Differential Calculus. Differential and Integral Calculus may be taught as a unified course.
 Three class hours each week.
40. *Advanced College Algebra* three credits
 Theory of equations; determinants; partial fractions; series; complex numbers; further development of permutations, combinations, and probability. Prerequisite: College Algebra I.
 Three class hours each week.
42. *Statistics* three credits
 Basic principles and methods of statistics common to scientific research; understanding of and ability to use graphs, frequency distributions, measures of central tendency and dispersion; normal curve; correlation; regression and prediction; reliability of statistical measures; curve fitting; development of formulas.
 Three class hours each week.
45. *History of Mathematics* three credits
 Study of the growth of mathematics through the centuries and the men who contributed to it, enrichment of the mathematical background of students; integration of basic areas of mathematics. Prerequisite: Analytical Geometry.
 Three class hours each week.
60. *Teaching of Mathematics in the Secondary Field* three credits
 Place and function of mathematics in secondary education; content and the improvement and evaluation of instruction in mathematics; acquaintance with the current literature and research; observation in secondary schools. Prerequisite: 9 hours of college mathematics.
 Three class hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

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| 13. <i>Algebra and Trigonometry</i> | five credits |
| 14. <i>Analytical Geometry and Differential Calculus</i> | four credits |
| ✓ 33. <i>Advanced Calculus</i> | three credits |
| 41. <i>Spherical Trigonometry and Navigation</i> | three credits |
| 43. <i>Mathematics of Finance</i> | three credits |
| 44. <i>Field Work in Mathematics</i> | three credits |
| 71. <i>Special Work in Mathematics</i> | one or two credits |

SCIENCE

1. *Basic Biology* three credits
 This course deals with the principles of Biology. Topics include cellular structure and physiology growth and repair, reproduction and development, control, sources of food energy, inheritance, and man's interrelationship with his biological environment. The classification of plants and animals is reviewed briefly.
 Four class hours each week.
2. *Basic Physical Science* three credits
 This course utilizes the fields of earth science and astronomy to provide a broadened background of science. The nature and uses of energy is the central theme for the study of heat, light, chemical, electrical, and atomic energy. Emphasis is placed on the methods and thinking of scientists in recognizing and solving problems.
 Four class hours each week.
21. *Science for the Elementary Grades* three credits
 This course, following the year of basic science, is designed to provide the elementary teacher with a more adequate background for teaching science in the elementary school. Units or problems are selected to achieve this purpose which cut across various fields of science. Emphasis is placed upon developing resourcefulness in gathering data and using the scientific method in the solution of such problems.
 Three class hours each week.
22. *Science in Modern Civilization* three credits
 This course is designed to acquaint the secondary student with some of the major discoveries of science in all fields and the effects of discoveries upon man's way of life. Emphasis is placed upon developing an understanding of science and its implications. Discoveries leading to more abundant supplies of energy, discoveries contributing to better health and longer life, more rapid transportation to a more abundant and better food supply, better housing, better clothing and to greater destructive potential are some of the topics developed.
 Three class hours each week.
60. *Teaching of Science in the Secondary School* three credits
 This course is planned to give the prospective science major a thorough grounding in the problems of teaching Science. The objectives of the science program in the secondary school, selection of textbooks, sources of suitable literature, how to secure materials for instruction, the preparation of units, and special techniques are studied. Prerequisites: 12 hours of work in major field.
 Three class hours each week.
71. *Special Problems in Science* one or two credits

BIOLOGICAL SCIENCE

21. *Genetics* three credits
 The purpose of this course is to give the student an understanding of the laws of inheritance as they operate in plants, animals, and humans. Cell structure, Mendelian inheritance, engenics, linkage, probability, crossing over, and random assortment are all considered. Prerequisite: 6 hours Biology.
 Two class and three laboratory hours each week.
31. *Ecology* three credits
 This course is a study of plants and animals in relation to their physical and biological environments. Special topics include distribution, factors affecting distribution, life zones, food chains, and adaptations. Attention is given to plant and animal communities in Pennsylvania. Individual problems may be assigned. Prerequisite: 6 hours of Biology.
 Two class and three laboratory hours each week.

32. *Conservation of Natural Resources* three credits
 A study of the utilization of the nation's resources in order to analyze the need for conservation, the problems of conservation, and to investigate suggested methods for the prevention of waste. The resources of land, water, plant and animal life, mineral resources, and man are considered.
 Two class and three laboratory hours each week.
40. *Physiology* three credits
 The purpose of this course is to give the student a general background of how animals carry on bodily processes and a more detailed knowledge of human physiology. Related anatomy is taught as needed. Prerequisites: Zoology I and II.
 Two class and three laboratory hours each week.
- The College is approved to offer the following courses which are not regularly scheduled:
22. *Microbiology* three credits
 50. *Parasitology* three credits
 71. *Special Problems in Biology* one or two credits

BOTANY

1. *Botany I* four credits
 Botany I is a study chiefly of the flowering plants. Topics include the anatomy and life processes of plant cells, leaves, stems, roots, flowers, seeds, and fruits. The economic importance of plants used by man and the recognition and classification of the seed plants in the immediate environment of the college are included.
 Three class and three laboratory hours each week.
2. *Botany II* four credits
 Botany II is concerned primarily with the non-flowering plants. It considers both the anatomy and life processes of selected algae, bacteria, fungi, mosses, ferns, and their allies. The economic importance and health implications of certain of these groups are emphasized. The recognition and classification of the non-flowering plants of the immediate surroundings are stressed. Prerequisite: Botany I.
 Three class and three laboratory hours each week.
31. *Field Botany (Local Flora)* three credits
 A study of the classification and identification of the seed plants and ferns of South-western Pennsylvania. Prerequisite: Botany I or consent of the instructor.
 Two class and three laboratory hours each week.

ZOOLOGY

1. *Zoology I* four credits
 This is a study of the life history, habits, origin, development, physiology and anatomy of each phylum of the invertebrates. Emphasis is given to the study of those forms of economic importance to man or with health implications. The student becomes acquainted with the many invertebrate species found locally.
 Three class and three laboratory hours each week.
2. *Zoology II* four credits
 This course is a study of the Chordata in general, and more particularly the classes of Vertebrates. Topics studied include the anatomy, physiology, origin, development, and life history of representative members of each class. Special attention is given to the vertebrates found in the vicinity of the college. Prerequisite: Zoology I.
 Three class and three laboratory hours each week.
21. *Comparative Anatomy* three credits
 Consideration of the fundamentals, with emphasis on mammalian anatomy. Prerequisite: Zoology II.
 Two class and three laboratory hours each week.
31. *Field Zoology* three credits
 A study, adapted to the needs of teachers and including practice in methods of collecting and preserving specimens of the forms of animal life in this region.
 Two class and three laboratory hours each week.
32. *Entomology* three credits
 A general study of insects is made in this course, including structure, physiology, economic importance, classification and relationships. Each student is required to participate in field trips and to complete a project including a collection and report on some group of insects. Prerequisite: Zoology I.
 Two class and three laboratory hours each week.

35. *Ornithology*

three credits

This is an introduction to the birds of Pennsylvania with special emphasis on the identification of birds in the field. Lectures deal with classification, migration, habitat preference, song, courtship, nesting and rearing of young, and plumage changes. Abundant field work gives practice in identification of native birds by their songs, behavior, form and plumage.

Two class and three laboratory hours each week.

CHEMISTRY

1. *Inorganic Chemistry I*

four credits

This course includes a chemical study of the structure and behavior of matter. Topics stressed in the first semester are the gas laws, solutions, valence, ionization, acids, bases, oxidation and reduction as well as the writing of equations and solving of problems.

Three class hours and three laboratory hours each week.

2. *Inorganic Chemistry II*

four credits

This course is a continuation of Inorganic Chemistry I and stresses the more fundamental concepts of non-metals, metals, atomic structure, the periodic classification of elements, and simple qualitative tests for cations and anions. Prerequisite: Inorganic Chemistry I.

Three class hours and three laboratory hours each week.

21. *Qualitative Analysis*

three credits

This course is a study of the theoretical principles and practices underlying analytical chemistry. It includes study and practice in separating and identifying the cations and anions of the more common elements and radicals. Prerequisite: Inorganic Chemistry.

Three class and four laboratory hours each week.

22. *Quantitative Analysis*

three credits

This course gives introductory training in the theory and practice of gravimetric, volumetric, electrolytic, and potentiometric analysis. Quantitative calculations and relations are stressed. Prerequisite: Qualitative Analysis.

Three class and four laboratory hours each week.

31. *Organic Chemistry I*

four credits

This course is an elective for those who plan to major or minor in Chemistry. It includes a study of the hydrogen compounds of carbon of the aliphatic series with emphasis on structural relationships and nomenclature as well as on uses and characteristic properties. Prerequisite: Inorganic Chemistry.

Three class hours and three laboratory hours each week.

32. *Organic Chemistry II*

three credits

This course is a continuation of Organic Chemistry I. It deals primarily with the amines and proteins and those compounds belonging to the aromatic series. Both micro and semi-micro techniques are employed to stress the properties and type reactions of the usual classes of organic compounds. Prerequisite: Organic Chemistry I.

Three class and three laboratory hours each week.

41. *Physical Chemistry*

three credits

This course is an introduction to the fundamental principles of theoretical chemistry with application in the solution of problems and training in the techniques of physical-chemical measurements. The following topics are included: phase rule properties of solutions, liquids, solids, gases, surface tension, vapor pressures, osmotic pressures, chemical cells, buffers, indicators, oxidation-reduction potentials, and conditions affecting chemical equilibria. Prerequisites: Inorganic Chemistry and Physics I and II.

Two class and three laboratory hours each week.

42. *Industrial Chemistry*

three credits

This course deals with the application of theories, laws and calculations of chemistry to industrial processes. An intensive study of at least one major industrial process is made by each student. The class work is supplemented by selected laboratory experiences and numerous trips to neighboring industries. Prerequisite: Inorganic Chemistry.

Two class and three laboratory hours each week.

51. *Laboratory Techniques in Chemistry*

three credits

This course includes laboratory planning; selecting, care, and storage of equipment, making of solutions and various reagents from stock supplies. Setting up classroom demonstrations for use in secondary schools is stressed. Prerequisite: Inorganic Chemistry.

Two class and three laboratory hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

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| 3. <i>Inorganic Chemistry</i> | five credits |
| 4. <i>Inorganic Chemistry and Qualitative Analysis</i> | three credits |
| 36. <i>Chemistry of Food and Nutrition</i> | three credits |
| 43. <i>Colloidal Chemistry</i> | three credits |
| 44. <i>Water Analysis</i> | two credits |
| 71. <i>Special Problems in Chemistry</i> | 1 or 2 credits |

PHYSICS

- | | |
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| 1. <i>Physics I</i> | four credits |
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This is an introductory course in mechanics and electricity. Some of the topics studied are the mechanics of solids, liquids, gases. The portion devoted to electricity and magnetism deals with the general concepts of magnetism, electrostatics, electrical circuits, generators, motors, and alternating currents.

Three class and three laboratory hours each week.

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| 2. <i>Physics II</i> | four credits |
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This is a continuation of Physics I. Some of the topics discussed are: production and nature of sound waves, including musical sounds; thermometry, calorimetry and heat transference; reflection and refraction, optical instruments, spectra and interference; and selected topics of the newer developments in physics such as radioactivity and atomic energy.

Three class and three laboratory hours each week.

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| 11. <i>Modern Physics</i> | four credits |
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This is a study of twentieth century physics. The course includes the development in thermionics, x-rays, and radioactivity. Considerable attention is given to the modern concepts of atomic structure together with the mechanisms of release of atomic energy and its subsequent utilization.

Three class and three laboratory hours each week.

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| 21. <i>Mechanics</i> | four credits |
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This is an intermediate course in mechanics of solids, liquids, and gases. An opportunity is provided for a deeper insight into the principles in operation and their practical application. Studies are made of rectilinear and circular motion, work and energy, impulse and momentum, simple harmonic motion, and hydrostatics. Emphasis is placed on qualitative considerations. Prerequisite: Physics I and II.

Three class and three laboratory hours each week.

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| 26. <i>Heat</i> | four credits |
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This is an intermediate course in Heat. The basic concepts and principles are developed more intensively in the study of the properties of gases and in thermodynamics. Some of the specific topics studied are temperature measurements, expansivity, specific heats, thermal conductivity of solids and liquids, thermal properties of gases, change of phase and heat engines. Prerequisite: Physics I, II.

Three class and three laboratory hours each week.

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| 31. <i>Magnetism and Electricity</i> | four credits |
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This is an advanced course in general electricity and magnetism. The electric magnetic fields, D. C. and A. C. circuits, capacitance, inductance, electromotive force and electrical instruments are among the topics developed. Prerequisites: Physics I and II.

Three class and three laboratory hours each week.

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| 41. <i>Optics</i> | four credits |
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This is an intermediate course in optics. Geometrical and physical optics are included. Reflection and refraction at surfaces, lenses, interference and diffraction, elementary spectroscopy and polarization of light are discussed. Applications are made in the study of optical instruments. Prerequisites: Physics I and II.

Three class and three laboratory hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

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| 3. <i>General College Physics</i> | five credits |
| 32. <i>Electronics</i> | three credits |
| 33. <i>Radio Communication</i> | three credits |
| 46. <i>Sound</i> | three credits |
| 51. <i>Physical Measurements</i> | two credits |
| 71. <i>Special Problems in Physics</i> | 1 or 2 credits |

SOCIAL STUDIES

GEORGE S. HART, CHAIRMAN

21, 22. *World Culture I & II* ten credits

A survey of the evolution of man's culture—his governmental, economic, social, religious, intellectual, and aesthetic activities from the beginnings of the race to the present time.

Art Contribution to World Culture—An interpretation of the creative expressions of present and past cultures.

Music Contribution to World Culture—An orientation in music experience which aims to equip the prospective teacher with a knowledge and understanding of music as it relates to general education and the art of daily living.

Five classroom hours each week for two semesters.

41, 42. *American Citizenship* six credits

A course which deals with the evolution of the Constitution of the United States through amendment, legislative and judicial interpretation and custom. Broad principles of government as related to citizenship are stressed, with duties, rights, privileges and responsibilities of the individual given major consideration.

Three classroom hours each week for two semesters.

60. *Teaching the Secondary Social Studies* three credits

This course is intended to familiarize prospective teachers with desirable methods which may be used in teaching the social studies. Emphasis is placed on the philosophy, objectives, courses of study, and organization of subject matter for teaching purposes, curriculum materials, procedures and development.

Three class hours each week.

61. *The Teaching of Moral and Spiritual Values
in Secondary Social Studies* three credits

This course, an advanced professional course, is designed to help the student develop an awareness of the function and importance of moral and spiritual values in public education and to discover the ways in which the materials and methods of the social studies curriculum can contribute to the realization of these values. Emphasis is placed upon the development of techniques and procedures that will foster the growth of desirable traits of character, personality, and citizenship.

The course includes classroom observation, research reports, panel and general discussion.
Three class hours each week.

71. *Special Problems in Social Studies* 1 or 2 credits

HISTORY

11. & 12. *History of Civilization I & II* six credits

A study of the origin and development of the political, social, economic and religious institutions which constitute modern civilization, with emphasis upon broad movements to make realistic the information necessary for a proper understanding of the great heritage that is ours in the present day.

Three classroom hours each week for two semesters.

31. *History of United States and Pennsylvania I* three credits

A survey course in the history of the United States and Pennsylvania from the beginning of the colonial period to the end of the Civil War. Emphasis is placed on the social, economic and political development of our nation in general and of our Commonwealth in particular.

Three class hours each week.

32. *History of United States and Pennsylvania II* three credits

A survey course in the history of the United States and Pennsylvania from 1865 to the present. Stress is placed on the impact of the Industrial Revolution of our society, the growth of the labor world power, our part in World Wars I and II and the activities of our nation in behalf of international organization.

Three class hours each week.

33. *Contemporary American History* three credits

A detailed study of the policies and problems of the United States in the twentieth century, with emphasis upon the Second World War and the post-war period. Prerequisites: History 31 and 32.

Three class hours each week.

34. *History of Pennsylvania* three credits

A study of the founding and development of Pennsylvania from its colonial beginning to the present time. Emphasis is placed on the social, economic and political developments in the different periods of its history. Special attention is given to the diversity of the people, their institutions and problems and the growth of Pennsylvania to a leading position in our modern industrial world.

Three class hours each week.

35. *Diplomatic History of the United States* three credits

Special emphasis is placed on a study of our foreign relations from the beginning of our national history to the present. Such aspects as the growth and influence of a policy of "isolation," the creation and development of the Monroe Doctrine, the changing position of the United States as a world power, and the problems incident to the assumption of the resulting responsibilities.

Three class hours each week.

41. *Early European History from 1500 to 1815* three credits

A study of the development of the social, economic, political, religious and cultural experiences of the European people, emphasizing the cause and effect of inter-relation and inter-dependence of both people and events that are basic to understanding the fundamental forces that lead to modern life.

Three class hours each week.

42. *History of Europe from 1815 to Present* three credits

A comprehensive study of the factors contributed by the European people in their national organization through their political, social and economic activities. The understanding of the casual and intergroup relationships are essentially basic to analysis and interpretations of the difficulties facing the European world today.

Three class hours each week.

43. *Contemporary European History* three credits

Consideration of the development and reorganization of political, social, and economic problems since the First World War and of the international aspects of vital questions. Prerequisites: History 41 and 42.

Three class hours each week.

51. *History of England* three credits

This course traces the growth of the people and institution of England from the conquest by the Anglo-Saxons to the present. The emphasis is placed on the development of those factors that gave rise to the struggle and events that culminated in the establishment of democratic principles and organization in our modern world.

Three class hours each week.

55. *History of Latin America* three credits

This course surveys the development of the Latin American countries from the period of discovery to the present. The economic, social, political and cultural areas receive special attention first as domestic problems, then as they are related to the various political units involved. The influence of European and American relations as they are reflected in local changes are given consideration.

Three class hours each week.

65. *Twentieth Century World History* three credits

The significance of events in the present century is brought out in this course by a study of the growth of capitalism, imperialism, totalitarianism, international jealousies, World Wars I and II and the attempts of the family of nations to find world peace through international understanding.

Three class hours each week.

The College is approved to offer the following courses which are not regularly scheduled:

- | | |
|---|--------------------|
| 45. <i>The Renaissance to Reformation</i> | three credits |
| 61. <i>History of the Middle East and India</i> | three credits |
| 62. <i>History of the Far East</i> | three credits |
| 71. <i>Special Problems in History</i> | one or two credits |

SOCIAL SCIENCE

21. *Economics I* three credits
 This course emphasizes economic principles which are fundamental for an appreciation of our modern economy. While stressing the forces and factors that explain production, distribution, and consumption in our capitalistic order, much attention is also given to practical economic matters, including labor problems, co-operative movements and business management.
 Three class hours each week.
22. *Contemporary Economic Problems* three credits
 This course consists of a study of certain of our more crucial present day problems such as: labor relations, money and banking, social waste, the family, crime and delinquency, race relations, international trade, government regulation and the individual's responsibility as a citizen of the world.
 Three class hours each week.
31. *Principles of Sociology* three credits
 This is a basic course in sociology dealing with the interaction arising from the association of human beings. Emphasis is placed upon natural and social heritage, the meaning and functions of culture, the origin, function, and characteristics of social institutions, such as the family, religion, and the state; with inquiry into the nature and genesis of social pathology.
 Three class hours each week.
32. *Contemporary Social Problems* three credits
 A critical study of selected contemporary social problems, including crime, divorce, delinquency, etc., in their relation to our traditional social institutions. Current data and remedial proposals will be carefully examined and evaluated in the light of basic sociological principles.
 Three class hours each week.
33. *Home and Family Living* three credits
 This course deals with the development of the family and the home in its historical, economic and legal aspects. The various factors influencing the organization, disorganization and reorganization of the family are considered, as well as the modern trends in this basic institution.
 Three class hours each week.
41. *American Government* three credits
 A study of the general principles of the American system of constitutional government; special emphasis is placed upon the organization and functions of the national government—legislative, executive and judicial; on the rights and duties of citizenship, the electorate, political parties, civil rights and the growing regulatory functions of government are carefully treated.
 Three class hours each week.
42. *Municipal Government* three credits
 This course deals with the history, organization, structure and functions of the major types of city government in the United States. Consideration is given to the development of modern administrative techniques and methods as they apply to municipalities. The prevailing forms of government and administration used by boroughs and townships in Pennsylvania are surveyed.
 Three class hours each week.
43. *Comparative Government* three credits
 In this course major attention is given to Great Britain and Soviet Russia as best representing, among foreign governments, the democratic and authoritarian systems. Brief consideration is given to the governments of France, Italy, Germany and Japan. Frequent comparisons and contrasts are drawn between these governments and government in the United States.
 Three class hours each week.
52. *Industrial Relations* three credits
 A study of the methods by which workers, employers, and the public have been and are now attempting to solve the labor-management problems. Present programs are evaluated in the light of underlying economic principles. Labor and management representatives from the area are invited in when possible.
 Three class hours each week.
 The College is approved to offer the following courses which are not regularly scheduled:
51. *Consumer Education* three credits
 66. *International Relations 1919 to the Present* three credits
 67. *The United Nations: Organization and Function* three credits
 71. *Special Problems in History* one or two credits

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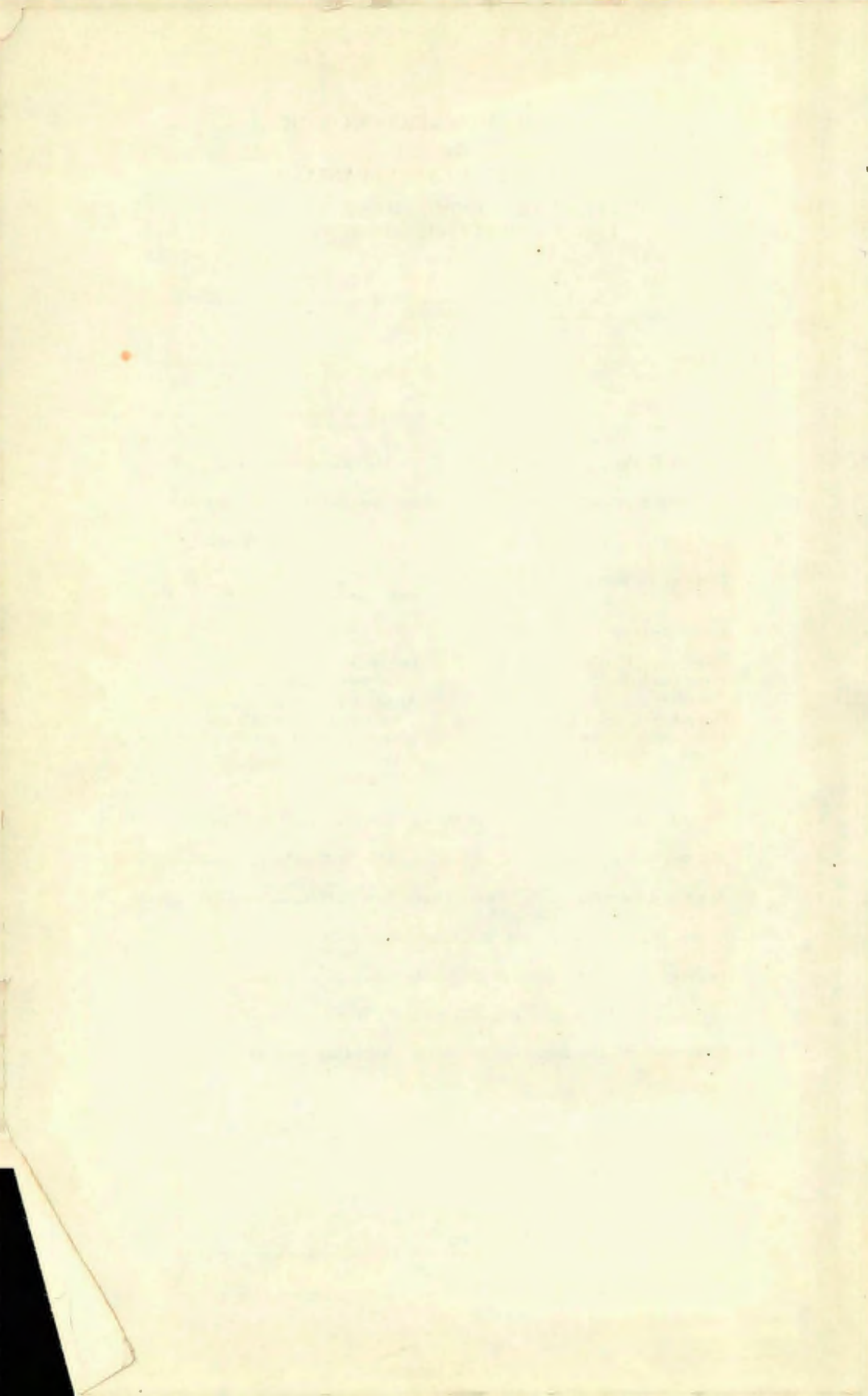
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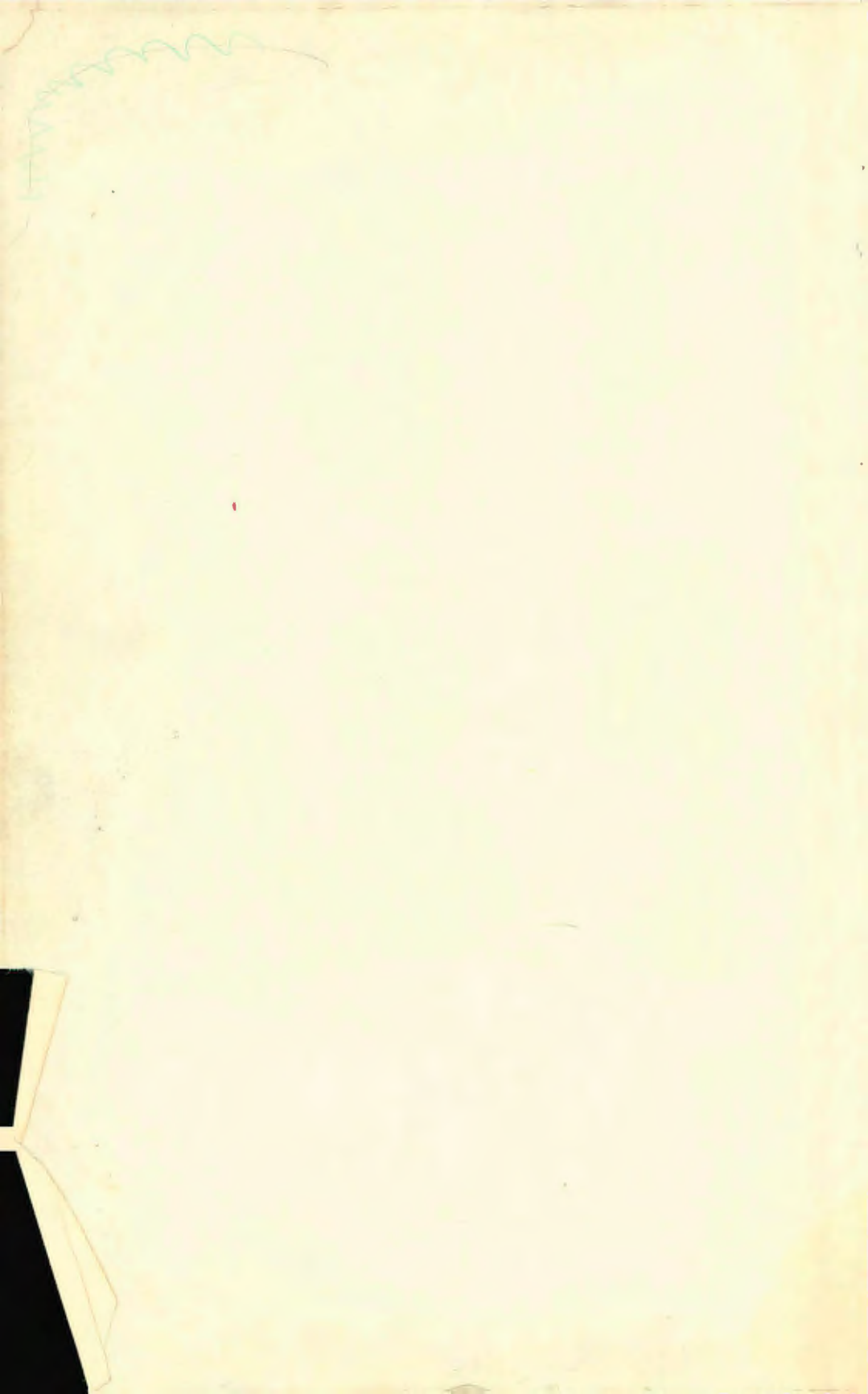
THE STATE TEACHERS COLLEGE
At
CALIFORNIA, PENNSYLVANIA
PRELIMINARY ENROLLMENT FORM
FOR PROSPECTIVE STUDENTS

1. Name ^{Mr.} Miss _____
^{Mrs.} First Middle Last Name
2. Address _____
Number and Street

Town Zone County State
3. Date of Birth _____ Married or Single _____
4. Of what approved four-year high school are you (or will you be) a graduate? _____ Year? _____
5. I expect to enroll _____ 19____
(Summer, September, January) Year
6. I am interested in:
- | | | | |
|--|--------------------------|---|--------------------------|
| Elementary Curriculum
(to teach in the first six grades) | <input type="checkbox"/> | Industrial Arts
(to teach shop classes) | <input type="checkbox"/> |
| Secondary Curriculum
(to teach in Junior or Senior High School) | <input type="checkbox"/> | Atypical Education
(to teach the Speech and hearing handicapped)
(to teach the mentally retarded) | <input type="checkbox"/> |
7. Do you want a room reserved in the dormitory? _____ or will you live at home? _____ Live in town? _____
8. Are you a veteran? _____ Under Public Law 894? _____ or 550? _____
9. Is this your first enrollment at California? _____ Have you attended any other College or University? _____ Name _____
_____ When _____
10. Shall we send the necessary forms for completing your application for admission? _____
11. Date of application _____
12. Other information you desire to furnish. _____







FOR INFORMATION

Address:

OFFICIAL INFORMATION

The President

ACADEMIC INFORMATION

Dean of Instruction

**APPLICATION FOR ADMISSION OF FRESHMEN
AND TRANSFER STUDENTS**

Director of Admissions *& Registrar*

ROOMS

Dean of Men—Dean of Women

FINANCIAL INFORMATION

Bursar

PLACEMENT

Director of Placement

TRANSCRIPTS—GRADES

Registrar

SUMMER SESSIONS

Director of Summer School

THIS COLLEGE
IS A MEMBER
OF THE
AMERICAN ASSOCIATION OF COLLEGES
FOR TEACHER EDUCATION
AND IS FULLY ACCREDITED BY
THE MIDDLE STATES ASSOCIATION OF COLLEGES
AND SECONDARY SCHOOLS

