

The
TEACHERS COLLEGE
HERALD



Catalogue Number

1948 - 1949

THE STATE TEACHERS COLLEGE
SHIPPENSBURG, PENNSYLVANIA



TOWER OF "OLD MAIN"

The Teachers College Herald

VOLUME 52

JULY, 1948

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THIS COLLEGE IS A MEMBER OF THE AMERICAN ASSOCIATION OF TEACHERS COLLEGES AND OF THE MIDDLE STATES ASSOCIATION OF COLLEGES AND SECONDARY SCHOOLS AND MEETS THE STANDARDS ESTABLISHED BY THESE ASSOCIATIONS.

THE STATE TEACHERS COLLEGE

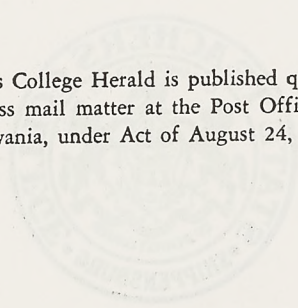
SHIPPENSBURG, PENNSYLVANIA

The Teachers College Herald

Volume 22 JULY 1948 Number 3

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THE COLLEGE IS A MEMBER OF THE AMERICAN
ASSOCIATION OF TEACHERS COLLEGES AND OF THE
NATIONAL STATE ASSOCIATION OF COLLEGE AND
UNIVERSITY WOMEN. THE COLLEGE IS
AFFILIATED WITH THE UNITED METHODIST
CHURCH IN THIS CONNECTION.

THE STATE TEACHERS COLLEGE
SHIPPENSBURG, PENNSYLVANIA

COLLEGE CALENDAR

1948 - 1949

The Summer Sessions

The Two Six-Week Sessions

1. The First Six-Week Session

Session Begins	June 7
Session Ends	July 16

2. The Second Six-Week Session

Session Begins	July 19
Session Ends	August 27

First Semester

Registration of Freshmen	September 8
Registration of Upperclassmen	September 9
Classes Begin with the First Period	September 10
Thanksgiving Recess Begins at the Close of Classes	November 23
Thanksgiving Recess Ends at 8:00 a.m.	November 29
Christmas Recess Begins at the Close of Classes	December 21
Christmas Recess Ends at 8:00 a.m.	January 3
First Semester Ends at the Close of Classes	January 15

Second Semester

Registration	January 19 & 20
Classes Begin at 8:00 a.m.	January 21
Easter Recess Begins at the Close of Classes	April 9
Easter Recess Ends at 8:00 a.m.	April 20
Alumni Day	May 21
Baccalaureate Services	May 22
Commencement	May 23

COMMONWEALTH OF PENNSYLVANIA

Department of Public Instruction

FRANCIS B. HAAS, M.A., Pd.D., LL.D.
Superintendent of Public Instruction

HENRY KLONOWER, M.A., Pd.D.,
Director, Teacher Education and Certification

STATE COUNCIL OF EDUCATION

President and Chief Executive Officer, FRANCIS B. HAAS

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BOARD OF TRUSTEES

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THE FACULTY

1948 - 1949

LEVI GILBERT

President of the College
B.S., Franklin and Marshall College
A.M., University of Pennsylvania
Ed.D., University of Pittsburgh

EARL WRIGHT

Dean of Instruction; Chairman, Education Department
B.S., M.S., Sc.D., Gettysburg College
Ed.D., George Washington University

GENE T. FISTER

Dean of Women
B.S., State Teachers College, Kutztown
M.A., Teachers College, Columbia University

VINTON RAMBO

Dean of Men, Physical Education and Science
B.S., Iowa Wesleyan College
A.M., Teachers College, Columbia University

KEITH B. ALLAN

Chairman, Geography Department
B.Ed., Illinois State Normal University
A.M., Colorado Teachers College

ARTHUR ATKINSON

Psychology; Director, Psychological Clinic
B.S., A.M., Ph.D., University of Pittsburgh

RICHARD BARTHOLOMEW

Chairman, Health Education Department
A.B., Pennsylvania State College
M.Ed., Pennsylvania State College

MARY ETHEL BEAMER

Business Education
B.A., Baylor University
A. M. Teachers College
Columbia University

CHARLES F. BELLOWS

English
B.S., State Teachers College, Shippensburg
M.A., Columbia University

BRADLEY CRAWSHAW

Business Education
B.S., State Teachers College, Indiana
M.Ed., University of Pittsburgh

ROY DIBERT

Science

B.S., Franklin and Marshall College

A.M., Columbia University

M.S., Pennsylvania State College

MYRA ESH

Training Teacher, Campus School

B.S., University of Pittsburgh

CHARLES R. EURICH

Science Department

B.S., Franklin and Marshall College

M.A., New York University

MARY CHARLOTTE GAIN

Resident Directing Nurse

R.N., Union Memorial Hospital

CLARENCE GLESSNER

English Department

B.S., State Teachers College, Shippensburg

M.Ed., Pennsylvania State College

OLGA GRAY

Health Education

B.S., State Teachers College, West Chester

J. SETH GROVE

Chairman, Mathematics Department

A.B. Ursinus College

A.M., Teachers College, Columbia University

RUTH C. HARLEY

Assistant Director of Training

B.S., Juniata College

A.M., Teachers College, Columbia University

ESTHER HENDERSON

Health Education

B.S., Miami University

M.A., Teachers College, Columbia University

LAURA ESTELLA HIGH

English, Junior High School

A.B., Dickinson College

A.M., University of Pennsylvania

BERNARD HOGG

Social Studies Department

B.S., State Teachers College, Slippery Rock

M.A., University of Pittsburgh

Ph.D., University of Chicago

GERTRUDE KAUFFMAN

Chairman, Art Department
B.S., State Teachers College, Edinboro
A.M., George Peabody College

NORA A. KIEFFER

Education
B.S., A.M., Teachers College, Columbia University

NORMAN E. KING

Business Education Department
B.S., University of Pittsburgh
M.Ed., University of Pittsburgh

GERMAINE KLAUS

Chairman, Language Department
A.B., Dickinson College
A.M., University of Chicago

RONALD KNAPP

Health Education
B.S., Pennsylvania State College
M.A., Columbia University

HAROLD O. KRAMER

Business Education Department
B.S., Susquehanna University
M.A., New York University

LESLIE C. KREBS

Geography and Visual Education; Director, The Museum
B.S., Pennsylvania State College
Ed.M., Temple University

LOUISE J. LIENEMANN

Chemistry and Biology
A.B., University of Nebraska
A.M., Ph.D., Cornell University

NANCY MCCREARY

English
A.B., Smith College
A.M., Radcliffe College

ISABEL MCCURDY

Assistant Librarian
B.S., State Teachers College, Shippensburg

ADELE H. MITCHELL

Training Teacher, Campus School
B.S., State Teachers College, Kutztown
M.Ed., Pennsylvania State College

ROY V. MOUER

Science, High School
B.S., Lebanon Valley College
M.A., Columbia University

DOROTHEA NOBLE

Training Teacher, Campus School
B.S., Temple University
M.S., Temple University

GEORGE REISINGER

English Department
B.S., State Teachers College, Shippensburg
M.A., Western Maryland College

MARION BLOOD REISNER

Chairman, English Department
B.S., A.M., University of Pennsylvania

DORIS K. ROHR

Training Teacher, Campus School
B.S., State Teachers College, Shippensburg

ERMA K. ROLAR

Social Studies
A.B., Pennsylvania State College
A.M., Teachers College, Columbia University

RALPH SCRAFFORD

B.S., State Teachers College, Edinboro
M.Ed., Pennsylvania State College
D.Ed., Pennsylvania State College

S. S. SHEARER

Chairman, Science Department
A.B., Ursinus College
M.S., University of Chicago

ETTA C. SKENE

Chairman, Business Education Department
B.S., Southwest Missouri State Teachers College
A.M., Ph.D., New York University

THELMA E. SMALL

Training Teacher, Campus School
B.S., State Teachers College, Shippensburg
A.M., Teachers College, Columbia University

ANN SMITH

Part-time Music Teacher
B.S., New York University
M.S., Temple University

THOMAS SMYTH

Science Department
B.S., Virginia Polytechnic Institute
A.M., Cornell University
Pd.D., Cornell University

HARLING E. SPONSELLER

Director of Teacher Training; Director of Placement
B.S., State Teachers College, Shippensburg
A.M., Teachers College, Columbia University

ELVIN L. VALENTINE

Chairman, Social Studies Department
A.B., DePauw University
A.M., Ph.D., University of Wisconsin

JAMES C. WEAVER

Chairman, Music Department
B.S., Temple University
A.M., New York University

HARPER J. WENTZ

General Science and Mathematics, Junior High School
B.S., Franklin and Marshall College
A.M., Teachers College, Columbia University

ALMA MAE WINTON

Librarian
B.S. in Library Science, Columbia University
A.B., Allegheny College

STELLA YATES

Business Education Department
B.S., University of Illinois
M.S., University of Illinois

MARY E. YORK

English and Speech
B.S., A.M., Ohio University

LABORATORY SCHOOL

HARLING E. SPONSELLER, A.M.	<i>Director</i>
RUTH C. HARLEY, A.M.	<i>Assistant Director of Training</i>
MYRA C. ESH, B.S.	<i>Sixth Grade</i>
ADELE H. MITCHELL, M.Ed.	<i>Second Grade</i>
DOROTHEA NOBLE, M.S.	<i>Fourth Grade</i>
DORIS ROHR, B.S.	<i>First Grade</i>
THELMA E. SMALL, A.M.	<i>Third Grade</i>
ANN SMITH, M.A.	<i>Music</i>
RACHAEL GRAY, B.S.	<i>Kindergarten</i>

And other members of the College instructional staff as advisers.

ADMINISTRATIVE OFFICERS

LEVI GILBERT, B.S., A.M., Ed.D.	<i>President of the College</i>
VIRGINIA GOODHART	<i>Secretary to the President</i>
EARL WRIGHT, M.S., Sc.D, Ed.D	<i>Dean of Instruction</i>
SARAH S. MILLER, B.S.	<i>Secretary, to the Dean of Instruction</i>
JEAN SAUNDERS, M.A.	<i>Registrar</i>
GENE T. FISTER, B.S., A.M.	<i>Dean of Women</i>
VINTON RAMBO, B.S., A.M.	<i>Dean of Men</i>
HARLING E. SPONSELLER, B.S., A.M.	<i>Director of Training</i>
LOIS LEHMAN	<i>Secretary of the Director of Training</i>

CHARLES A. BIKLE, M.D., University of Penna.	<i>Physician</i>
MARY CHARLOTTE GAIN, R.N.	<i>Resident Directing Nurse</i>
MARY ELLEN DEIBLER, Univ. of Penna.	<i>Dental Hygienist</i>

JOHN W. LACKHOVE.....	<i>Business Manager</i>
ALICE M. NOLL.....	<i>Bookkeeper</i>
GERTIE FOGELSANGER.....	<i>Account Clerk</i>
MARIE Y. LICHTY.....	<i>Account Clerk</i>
DOREEN WADEL.....	<i>Account Clerk</i>
EDNA MOUER.....	<i>Clerk to Business Manager</i>
ANNA M. COMMERER.....	<i>Clerk in Retail Store</i>
HELEN WHITE.....	<i>Clerk in Retail Store</i>
R. BRUCE CLIPPINGER.....	<i>Receiving Clerk</i>
HARRY M. ESHELMAN.....	<i>Supt. of Grounds and Buildings</i>
<i>Grounds and Buildings Staff</i> —JOHN FITZGERALD, CHARLES HILL, CHARLES HOLLINGER, CLIFFORD HOOVER, RAYMOND HUTCHISON, WALTER KLENZING, JERRY THOMAS, ELMER B. VANSCYOC, HARVEY ALLEN, HIRAM D. HIGHLANDS, CLARENCE L. CHAMBERLIN, ARTHUR COMMERER, SEBA FILSON, HARRY CLOUGH, R. J. HUTCHINSON, GEORGE CLOUGH.	
G. EMORY KANN.....	<i>Watchman</i>
WILLIAM S. WEIBLEY.....	<i>Watchman</i>
SARA McCULLOUGH.....	<i>Matron, "Old Main"</i>
<i>Assistant</i> —ELLEN MEANS	
FLORENCE REISINGER.....	<i>Matron, Men's Dormitory</i>
DOROTHY PLASTERER.....	<i>Matron, Horton Hall</i>
<i>Assistant</i> —MAE VANSCYOC	
LOTTIE McCLELLAN.....	<i>Dietitian</i>
<i>Dining Room and Kitchen Staff</i> —FLORENCE CRAMER, EMMA BOWERS, ELAM ESHLEMAN, AMANDA KITZMILLER, ANNA PRICE, BESSIE RICE, ELIZABETH SHEARER, MAUDE BEASTON, WILLIAM CRUSEY, JOHN HAUK, LAURA E. KEEFER, MAE REBUCK, NORA E. SLEICHTER, FRANK JONES, ROSE P. TARNER, HAZEL MIXELL, MARY KEEFER, JANE TARNER.	
NELL K. STRIKE.....	<i>Superintendent of Laundry</i>
<i>Assistants</i> —CORA CLOUGH, LENA CLOUGH, BEULAH KITZMILLER, HELEN NOAKER, DOROTHY WERNER, MARY I. CRIDER, DOLLY COVER, MARJORIE MILLER, HARRIET J. REBUCK.	

STANDING FACULTY COMMITTEES

DEANS OF CLASSES:

- 1948—Dr. Lienemann and Mr. Grove
- 1949—Miss Rolar and Mr. Weaver
- 1950—Miss Esh and Mr. Allan
- 1951—Dr. Skene and Mr. Eurich
- 1952—Mr. Reisinger and Miss Noble

EXECUTIVE COMMITTEE:

Dr. Gilbert, Dr. Wright, Mr. Sponseller, Mr. Shearer, Mrs. Reisner, Mr. Lackhove, Mr. Allan, Mr. Grove, Miss Fister, Mr. Krebs, Mr. Weaver, Mr. Bartholomew, Mr. Rambo, Dr. Valentine, Dr. Atkinson, Dr. Skene.

COMMITTEE OF ELEVEN ON PUBLIC RELATIONS AND COLLEGE WELFARE:

Dr. Wright, Chr., Mr. Allan, Mr. Grove, Mrs. Harley, Miss Kieffer, Mr. Lackhove, Miss Rolar, Mr. Shearer, Mr. Sponseller, Mr. Krebs, and Mr. Kramer.

CHAPEL COMMITTEE:

Mr. Weaver, Chr., Mrs. Reisner, Mr. Bellows, and the four student council presidents.

CURRICULUM COMMITTEE:

Dr. Gilbert, Chr., and the heads of departments.

ENTERTAINMENT COMMITTEE:

Mrs. Reisner, Chr., and the President's Council.

COMMITTEE ON EXAMINATIONS, TESTS, AND MEASUREMENTS:

Dr. Atkinson, Chr., Miss Kieffer, Mr. Sponseller, Dr. Wright, Mrs. Harley and Dr. Scrafford.

FRATERNITY COMMITTEE:

Mr. Krebs, Chr., Mr. Allan, Mrs. Reisner, Mr. Weaver, and Mr. King.

COMMITTEE CONCERNED WITH TOOLS FOR LEARNING:

Mrs. Harley, Chr., Mr. Krebs, Mr. Sponseller, Dr. Valentine, Mr. Weaver, Miss Winton, Mr. Bartholomew, Dr. Scrafford, Dr. Hogg, Dr. Smyth.

PLACEMENT SERVICE:

Mr. Sponseller, Chr., Miss Esh, Mrs. Harley, Miss Small, Dr. Wright.

COMMITTEE ON POST WAR PLANNING:

Dr. Valentine, Chr., Mr. Allan, Miss High, Miss Rolar, Mr. Weaver, Miss Winton and Mr. Rambo.

PUBLICITY COMMITTEE:

Mr. Glessner and members of the English department.

STUDENT TEACHING COMMITTEE:

Mr. Sponseller, Chr., Mr. Eurich, Mr. Grove, Miss High, Miss Kieffer, Mrs. Harley, Mr. Wentz, Mr. Mouer, and Mrs. Mitchell.

SUMMER SESSIONS COMMITTEE:

Dr. Wright, Chr., Mr. Allan, Mr. Lackhove, Mrs. Harley, Miss Esh and Mr. Krebs.

ALUMNI ASSOCIATION COMMITTEE:

Miss Rolar, Chr., Miss Esh and Mr. Glessner.

THE COLLEGE

Accrediting Agencies

The rapid development of colleges in the United States during the past fifty years has led to various efforts to standardize these institutions through the setting up of regional and in some instances national accrediting agencies. This movement has been animated by a desire to protect worthy institutions and at the same time to guard parents of prospective college students from exploitation at the hands of colleges unworthy of the name. The acknowledged accrediting agency for this region of the country is the Middle States Association of Colleges and Secondary Schools. The State Teachers College at Shippensburg is a member of this Association and is fully accredited by it. The national accrediting agency for teachers colleges is the American Association of Teachers Colleges which has a membership of 157 fully accredited teacher education institutions including the State Teachers College at Shippensburg.

Town of Shippensburg

Shippensburg is a town of approximately six thousand people, situated in the beautiful Cumberland Valley on the Pennsylvania Railroad, thirty-nine miles southwest of Harrisburg, on Pennsylvania highway, No. 11. Carlisle, the county seat of Cumberland County, lies twenty miles from Shippensburg toward Harrisburg, and Chambersburg, the county seat of Franklin County, ten miles in the opposite direction. Gettysburg, the county seat of Adams County, with its famous battlefield now a national shrine, is but thirty miles distant. Rich farm lands, broad meadows, and delightful woodlands bounded by mountains to the north and south, characterize this valley which is one of the richest agricultural sections of the country.

History

Originally known as the Cumberland Valley State Normal School, the school was founded in 1871. The first class was graduated in 1874. For more than fifty years the school continued to serve as a State Normal School, graduating students prepared and legally qualified to teach in the public schools of the Commonwealth. After 1922, high school graduation was required for admission to the institution. In 1926 the State Council of Education authorized four-year curricula based upon high school graduation. In August, 1927, by authority of the General Assem-

bly, this institution became a college with the right to grant degrees. Its name was changed to the State Teachers College at Shippensburg.

Plant and Grounds

The site consists of approximately sixty-four acres with two fully equipped athletic fields, Eckels Field and Heiges Field, ten tennis courts, a quarter mile track with a two-twenty straight-away, an archery range and an open-air Shakespearean theatre. The buildings on the campus are arranged in a curving line on the crest of a hill, sloping gently to the southeast. The plant consists of "Old Main," containing the administrative offices, the dining room and kitchen, many of the recitation rooms, the auditorium, and the dormitories for men; Horton Hall, housing the women students; the Alumni Gymnasium, containing the swimming pool, special physical education rooms and showers; Shearer Hall, containing the science laboratories. Other buildings are the Ezra Lehman Memorial Library, the old Gymnasium, the Business Education building, the Albert Lindsay Rowland Laboratory School, the President's Residence, the Infirmary, the utility buildings and garages, the power plant, and the sewage disposal plant.

Library

The library is an independent, modern building with reading rooms and stacks available from 8 a. m. until 5 p. m. and from 7 until 9 p. m. Its collection of 24,000 books and over 200 current magazines provides ample facilities for study, research, and recreation. Indices to library periodicals supply convenient reference to earlier numbers, both bound and unbound, and there are many encyclopedias, both general and special, for research. A collection of over 8000 pictures, a clipping file, a large pamphlet collection, and an interesting group of textbooks and courses of study serve to meet the needs of the students of the college. The student will also find recreational reading in the fields of biography, drama, fiction, and current events. Trained librarians are on duty at all times to assist students in finding material.

Laboratory Schools

The campus laboratory school contains a nursery school equipped with dining room, kitchen, play room, sleeping room and a separate playground with special play apparatus; a kindergarten and provision for the first six elementary grades.

The building contains offices, a library, an auditorium, an art room and service rooms. There is a playground equipped with playground apparatus.

The schools of the Borough of Shippensburg are available as student teaching laboratories. These schools include grades from the first to the sixth and a two-teacher school for students pursuing the rural curriculum. A junior high school, housed in a separate building, and a senior high school, also separately housed, each with a distinct organization and connected by a central unit containing a gymnasium, an auditorium, a library, offices, service rooms and class rooms, provide student teaching laboratories for students pursuing the secondary curricula. The Shippensburg Borough Schools thus have a thoroughly modern and attractive school plant.

Dormitories

The dormitory facilities are entirely modern, and the lavatories equipped with shower baths, tubs, and modern plumbing throughout. Stairways of fireproof construction are provided for all dormitories.

Auditorium

The main auditorium seats approximately 500 persons and is equipped with a motion picture booth. The stage is provided with modern lighting facilities permitting the presentation of dramatic performances of professional competence. Each Wednesday morning an assembly program is held in the auditorium. Attendance is required. Rowland Hall is a small auditorium seating 300.

Social Program

Shippensburg is a coeducational college. The enrollment of men is approximately half the total student body. Professional, social and religious activities of many kinds are carried on throughout the year consisting of debating, dramatics, athletics, religious meetings, field days, intra-mural contests of various kinds, dances, lectures and entertainments. Conferences and trips to places of historic, scientific, and educational interest occur frequently under proper supervision.

Health Program

Recognizing health as a basic objective of education, this college makes ample provision for the protection and development of the health of its students. In addition to the health

examinations required for admission, provision is made for the annual administration of the Mantoux test, and x-rays are taken of all cases of positive reaction. A registered nurse is in full-time attendance at the college infirmary where two wards, one for women and one for men, as well as private isolation rooms are maintained. The college physician is on the campus every day and is constantly subject to call. The college employs a trained dietitian, and under the college or family physician's advice, special diets are prescribed and provided.

Arrangements have been made by the College whereby students may enroll in the Blue Cross plan for hospital care if they are not already members on their parents' contracts. This voluntary, non-profit plan, sponsored by the hospitals, is a way to assure yourself, and your family if married, the best of hospital care when you need it without worry, debt, or loss of savings.

Capital Hospital Service, Inc., is the Blue Cross plan serving central Pennsylvania.

Conduct

The college recognizes that the standard of conduct becoming a prospective teacher is so high that it excludes all persons whose habits and conduct are not worthy of the limitation of children who may be placed under their instruction. Since teachers must first be able to discipline themselves, it is the aim of the college consistently to cultivate right habits of self-discipline on the part of its students.

The Profession of Teaching

This college is a professional school for the preparation of teachers and all of its curricula lead to certificates to teach in the public schools of Pennsylvania. Teachers must be persons of intelligence, and a high standard of scholarship is required for the baccalaureate degree. Teachers must be persons of character and every opportunity is provided for the development of a high standard of character on the part of each student. Those who do not achieve this standard are invited to leave.

The teaching profession provides the most significant social service possible for anyone to render, for upon the efficiency of the public schools and the character, intelligence, and devotion of the teachers, depends, in large measure, the national destiny. The college believes, however, that this professional preparation is the best preparation for general citizenship and for parenthood made today by American youth.

Teacher Education

The teachers in our schools have the responsibility for the conservation and the improvement of the American way of life.

Young people, who are willing to conform to the high standards of the profession, are needed to become teachers. The teachers college is the place where these young people can best be trained to teach school. The college has but one purpose and that is the education of teachers.

FEES, DEPOSITS, REPAYMENTS

All student accounts are payable in advance on the dates listed in this catalogue. The late registration fee will apply against all payment dates, and students whose accounts are not paid within the five-day late registration period will not be admitted to classes.

A. FEES

I. Activity Fee:

Per Half Semester.....	\$7.00
Summer Session.....	\$2.00 in full

Activity Fees are payable in advance for a full semester and are not refundable.

These fees, determined by vote of the student body, are administered through a cooperative organization under regulations approved by the Board of Trustees. These fees will cover the cost of student activities in athletics, lectures, entertainments, student publications, etc.

II. Contingent Fee:

Regular Term	Per Half Semester
Elementary Curriculum.....	\$22.50
Secondary Curriculum.....	\$22.50
Adult Education Curriculum.....	22.50
Business Education Curriculum.....	28.50
*Cooperative Education Curriculum.....	22.50
Out of State Students.....	\$7.50 per Semester Hour

A special fee of \$4.00 for the regular summer session is charged against those students whose work is credited in the field of business education.

Summer Session—\$6.00 per semester hour. Minimum fee \$18.00.

Students taking seven or fewer semester hours shall pay at the rate of \$6.00 per semester hour. Students taking more than seven semester hours shall pay the regular contingent fees; contingent fees for special curriculums shall be prorated on the basis of an eighteen semester hour load.

*A special charge is made Cooperative Education students to defray the expense of required trips to visit progressive schools.

III. Housing Fee:

1. The housing rate for students is \$81.00 per one-half semester, \$54.00 for the regular summer sessions. This includes room, meals, and limited laundry. (This rate is subject to change by action of the Board of Trustees.) The charge for room and board includes furniture, bedding, light, and heat. Each room accommodates two students. All rooms are provided with single beds for each student.
 - (a) No reduction in the rate is made for laundry done at home or for students who go home for a few days at a time.
 - (b) At the discretion of the President of the College, a student may occupy a double room alone, by paying an additional \$36.00 or \$12.00 for the regular summer session.
 - (c) A boarding student may not change to a day student basis without permission of the President of the College and then only at the end of a half semester or the close of a summer session.
 - (d) A boarding student in attendance as a trainee of the U. S. Veterans Administration or an Army or Navy program has the privilege of paying housing fees at the rate of \$40.50 per month, October through May, both months inclusive. Such monthly payments to be made not later than the tenth of the month in which they are due. Summer Session housing fees of a trainee must be maintained on an advanced payment basis. This rate is subject to change by action of the Board of Trustees.

2. Housing rates for employes other than those included in the State Classification Schedule (faculty, clerks, etc.) are \$10.00 per week.
3. The rates for transients are:
Room, \$.50 per night; breakfast, \$.35, lunch, \$.45, dinner, \$.60.

Students having guests overnight who must be provided with dormitory accommodations must introduce them to the Dean of Women in the case of women, Dean of Men in the case of men, and arrange for the payment of the regular room charge of \$.50 per night.

IV. Damage Fee:

Students are responsible for damage, breakage, loss or delayed return of college property.

V. Infirmary Fee:

After three days in the college infirmary, the college charges an additional \$1.00 for each day.

Day students, who may be admitted to the infirmary, pay board at the rate of \$2.00 a day. This charge includes the regular nurse and regular medical service, but does not include special nurse or special medical service.

VI. Tuition Fee:

Students whose residence is out of the State are charged a fee of \$7.50 per semester hour for all work carried. (Out-of-State students do not pay the contingent fee.)

VII. Degree Fee:

A fee of \$5.00 is paid by each candidate to cover the cost of degree diploma.

VIII. Record Transcript Fee:

One dollar (\$1.00) is charged for the second and each subsequent transcript of record. This fee is waived in the case of persons in the armed services of the United States.

IX. Late Registration Fee:

A fee of \$1.00 per day, not exceeding a total of \$5.00 is charged for late registration. The same regulations apply to approved inter-semester payments.

X. Delinquent Accounts:

No student is enrolled, graduated, or receives a transcript of his record until all previous charges have been paid.

B. Deposits

I. Advance Registration Deposit:

A deposit of \$10.00 is made by students when they request registration. This is a guarantee of the intention of the student to enter college for the term or semester designated. It is deposited with the State Revenue Department to the credit of the student's contingent fee. If, however, the student notifies the college at least three weeks before the opening of the college that he is unable to enter, or if the student is rejected by the college, repayment of his deposit will be made through the Revenue Department, on application from the student through the College authorities. Check or money order for this amount must be drawn to the Commonwealth of Pennsylvania.

C. No Other Fees or Deposits Permitted

No fees or deposits, other than as specified above, are charged by a State Teachers College.

D. Repayments

I. Repayments Are Not Made:

1. To students who are temporarily or indefinitely suspended, dismissed, or voluntarily withdrawn from college.
2. For any part of the advance registration deposit, for any cause whatsoever, except where students give notice of intention to withdraw, at least three weeks before the college opens, or when the student is rejected by the college.

II. Repayment

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

III. Advance Registration Deposit

The advance registration deposit is returned to students, if they notify the college not less than three weeks before the opening of the semester or term, of their intention not to attend, or if they are rejected by the college.

Annual Cost

For boarding students living on the campus the cost of a year at Shippensburg (exclusive of the summer session) is as follows:

<i>*Contingent Fee</i>	
\$22.50 per half semester.....	\$ 90.00
<i>Activity Fee</i>	
\$7.00 per half semester.....	\$ 28.00
<i>Board, Room, and Laundry</i>	
\$81.00 per half semester.....	\$324.00
Total	<u>\$442.00</u>

*Business Education students add \$24.00 per year to the contingent fee in calculating this cost.

In addition to this sum the average student requires for books, gymnasium costume, student organization dues, etc., not less than \$50.00 a year.

Day Students

Day students—those living at home—do not pay the housing fee. The annual cost for such students is \$118.00. No student (who does not live at home) is allowed to register as a day student without permission of the President of the college.

Times of Payment for the Academic Year 1948-1949

- September 8—Payment for first half of first semester.
- November 8—Payment for second half of first semester.
- January 19—Payment for first half of second semester.
- March 21—Payment for second half of second semester.

Summer session fees payable at the opening of each session.

SCHOLASTIC REGULATIONS

REQUIREMENTS FOR ADMISSION

Admission to a State Teachers College is made on the basis of the following controlling principles:

1. General scholarship.
2. Character and personality.
3. Health and physical vigor.
4. English fundamentals and psychological tests.
5. A personal interview.

Candidates for admission must satisfy these five general requirements in detail as outlined below:

1. General scholarship as shown by the completion of the work of the 10th, 11th, and 12th grades of an approved secondary school or institution of equivalent grade, or equivalent education as determined by the Credentials Division of the Department of Public Instruction, and rank in the upper half of the class at graduation. Candidates for admission who lack this rank at graduation are required to present further evidence of fitness.
 - a. Applicants ranking in the upper half of their graduating class in a secondary school are admitted on certificate without further evidence of general scholarship.
 - b. Applicants who do not rank in the upper half of the graduating class may be admitted on probation, provided:
 - (1) They are recommended by their secondary school principal as able to do creditable college work, and
 - (2) Appraisal of the detailed secondary school record indicates to admission authorities of the college that candidates can do satisfactory college work. Whenever available, candidates are urged to present to the admission authorities cumulative records of secondary school work such as were used by the Carnegie Foundation in the Pennsylvania Study, and
 - (3) A rating satisfactory to the institution is made on a scholastic aptitude test administered at the college.

Applicants satisfactorily meeting the requirements (1), (2), and (3) above will be admitted for one semester on probation. At the end of the probationary period

such students will be required to withdraw from the college unless they meet the required standard of scholarship in at least nine (9) semester hours of work.

2. A record of integrity and appropriate personality must be shown by an estimate of secondary school officials, of the candidate's trustworthiness, initiative, industry, social adaptability, personal appearance, and sympathy.
 - a. The estimate of the secondary school officials will be recorded by a check margin in the appropriate column of a three-point rating scale as follows:

	<i>Low</i>	<i>Middle</i>	<i>High</i>
Trustworthiness
Initiative
Industry
Social Adaptability
Personal Appearance
Sympathy

- b. This will be included as part of the secondary school record blank.
3. Physical vigor, emotional stability, absence of physical defects that would interfere with the successful performance of the duties of a teacher, and absence of predisposition toward ill health as determined by a medical examination are required.
 - a. All applicants for admission shall present a certificate of examination, signed by a physician legally qualified to practice medicine in the Commonwealth of Pennsylvania. Forms for the examination are furnished by the college. This medical examination is checked by the examining physician at the college and students are required to undergo a complete re-examination.
 - b. Applicants may be rejected for the following reasons:
 - (1) Incurable defects or diseases of the heart, lungs, kidneys, digestive system, nervous system, including hysteria, epilepsy, nervous instability, skin, organs of the special sense, and thyroid.
 - (2) Defective vision of marked degree.
 - (3) Permanently impaired hearing.
 - (4) Marked speech defects.
 - (5) Unsightly deformities.

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

4. Normal intelligence and satisfactory command of English as shown by ratings in standard tests are required. The tests to be used are prescribed each year by the Board of Presidents and are uniform for all State Teachers Colleges.
5. A personal interview, with particular attention to personality, speech habits, social presence, expressed interests of the applicant, and a promise of professional development is necessary.
 - a. The personal interview serves two purposes:
 - (1) It gives the examining committee of the college an opportunity to select, from the applicants for admission, those persons who give promise of becoming desirable teachers.
 - (2) It provides an inventory of the personal characteristics of applicants who are admitted and makes this inventory available to instructors and officers concerned with personnel work in the college.
 - b. The interview is conducted at the college or in other places and times designated by the President of the college.

All applications should be made to the President, State Teachers College, Shippensburg, Pennsylvania.

ADVANCED STANDING

1. Advanced credit will be given for equivalent courses completed in approved institutions of collegiate grade where the course grade received is above the minimum passing grade prescribed by the transferring institution. No student may obtain a certificate or degree without a minimum residence of one year in this college. A student transferring from another college will be required to present a statement of honorable dismissal from that college and to meet the same entrance requirements as any other applicant.
2. No candidate for a college certificate receives more than thirty-two semester hours credit toward graduation for work done in extension classes.

3. No credit is given for correspondence work or extension work taken after September 1, 1927, for a normal school certificate.
4. Persons who have completed the work of the two-year Early Childhood, Intermediate, or Rural curricula are admitted to junior standing for a degree, provided they are graduates of an approved four-year high school. The exact number of hours' credit granted depends upon the curriculum which the student has completed and the one in which he wishes to secure his degree. Those who become candidates for the degree in the elementary field secure two full years' credit, but those who transfer to the secondary field lose some credit, usually from ten to twelve hours.
5. Graduates of State Normal Schools prior to September, 1920, who have had a four-year high school preparation, are awarded not more than sixty-four semester hours of credit toward the baccalaureate degree.
6. Graduates of State Normal Schools, who lack four years of high school preparation, may apply to the Pre-Professional Credentials Division, Department of Public Instruction, Harrisburg, Pennsylvania, for a high school equivalent certificate, which when issued by this Division, will be accepted by the State Teachers College as equivalent to graduation from a four-year high school.
7. No credit for public or private teaching experience, previously credited as high school equivalent or as equivalent professional credit toward graduation, is granted or counted toward meeting the requirements for entrance to or graduation from the four-year curricula.

QUALITY POINT SYSTEM

1. For the purpose of reporting the progress of, and giving assistance to each student, each semester is divided into two periods of approximately eight weeks each. At the end of the first eight weeks of each semester, each teacher hands to the administration office a record of the students not doing satisfactory work. A report is made to each student and, when necessary, to the parent. At the end of the succeeding period, a similar report is made. At the end of the semester, a permanent grade is recorded for each student, and a copy is sent to the parents. Grades are not reported to the parents of trainees attending college under the Veterans Administration.

2. A Quality Point System is in operation and demands that before a student can be graduated, he must have a number of quality points equal to the number of semester hours required in the curriculum, exclusive of the student teaching requirements. That is, a student must have 128 semester hours of credit to be graduated, and, under the quality point system, he must have 116 quality points in excess of those acquired in student teaching.
3. Quality point requirement before a student may be admitted to student teaching:
 - a. A student is not permitted to enter student teaching unless his quality points equal the number of semester hours required by the curriculum.
 - b. A student in the secondary curriculum is permitted to enter student teaching if he has achieved an average of "C," or better, in each subject field to be taught in the laboratory school.

The Quality Point schedule is as follows:

An "A" grade gives 3 quality points for each semester hour of credit so marked, a "B" grade, 2 quality points, a "C" grade, 1 quality point, and a "D" grade, no quality points.

4. Students whose competence is demonstrated by placement tests and educational records, who wish to select advanced courses may, with the approval of the institution, substitute such approved advanced courses in a particular field for those listed in the curriculum. This regulation applies to all curricula.

REQUIREMENTS FOR GRADUATION AND CERTIFICATION

1. Every student in the State Teachers College, Shippensburg, Pennsylvania, selects, during the first two years, one of the seven degree curricula offered. All curricula are definitely four years in length and require the satisfactory completion of 128 semester hours for the degree of Bachelor of Science in Education. Every graduate is entitled to the Provisional College Certificate in the appropriate curriculum which, after three years of successful teaching and the earning of six additional semester hours of prescribed credit, becomes a Permanent College Certificate.
2. The Normal School Certificate and the State Standard Limited Certificate are no longer issued except to those who have already begun preparation for one of these forms of certificate.

3. All students are required to take part, without credit, in one physical education activity each semester in which no physical education courses or student teaching are required, and a minimum of one other extra-curricular activity, one semester each year.

AWARDS

Scholarship Prizes

The class of 1908 offers a yearly prize of ten dollars to the student having the highest average at graduation from one of the curricula in elementary education. This prize was awarded on Commencement Day, 1947 to Anna Katherine Kankin, Huntingdon, Pennsylvania.

Public Speaking Prize

The Class of 1916 offers a yearly prize of five dollars for excellence in public speaking. The prize for 1947 was awarded to Francine Toll, Philadelphia, Pennsylvania.

George L. Brown Scholarships

By the will of the late Dr. George L. Brown, an alumnus of this institution, the sum of \$15,000 was placed in trust, the interest of which is available for scholarships to the amount of \$100 each, per year, to assist deserving young men and women to acquire and education at this college, preference being given to residents of Middle Paxton Township and Susquehanna Township, Dauphin County. Persons interested in and qualified for these scholarships should apply to the college.

Harriet Wylie Stewart Scholarships

By the will of the late Harriet Wylie Stewart, a distinguished member of the faculty for many years, the sum of \$10,000 was placed in trust, the interest of which is available for scholarships to the amount of \$100 per year, preference being given to residents of the Middle Spring area of Southampton Township Franklin County, and Southampton Township, Cumberland County. Persons interested in these scholarships should apply to the college.

Working Scholarships

The college offers a limited number of opportunities to students to earn part of their expenses while attending college.

These opportunities are in the form of working scholarships maintained by the college. Applications for these working scholarships should be made on the application forms provided for this purpose. Awards of these scholarships are made in accordance with financial need, quality of college citizenship, and scholastic ability, in consequence of which these awards are more often made to upper classmen than to freshmen.

THE ALUMNI LOAN FUND

Boarding students who need financial aid during their senior year may borrow a sum, not exceeding \$100, from the Alumni Loan Fund for one year from the time of their graduation without interest. Students in need of such assistance must file their request for aid, with the president, not later than August 15 of the year preceding their graduation.

The following Alumni Loan Scholarships have been established:

Prof. John F. McCreary—Gift of Metropolitan Alumni Association.

Dr. George M. D. Eckels—Gift of the Class of 1898.

Prof. J. W. Hughes—Gift of the Class of 1893.

Dr. Joseph F. Barton—Gift of L. M. Shepp, 1896, Millersburg, Pa.

Dr. James Eldon—Gift of the Class of 1921.

Prof. and Mrs. C. I. Penny—Gift of the Class of 1886.

Scholarship, Class of 1907—Gift of the Class of 1907.

Dr. G. M. D. Eckels—Gift of the Class of 1898.

Dr. James Eldon—Two Scholarships, Gift of the Class of 1924.

Adams County—Gift of the Alumni of Adams County.

H. Milton Roth—Gift of the Class of 1899.

Dr. Joseph F. Barton—Gift of the General Alumni Association.

Class of 1890—Gift of John M. Fogelsanger, 1890, and H. K. Strickler, 1890.

Y. W. C. A.—Scholarships.

Country Life Club—Scholarships.

The Ada V. Horton Scholarship Fund—Class of 1911.

Class of 1922 Fund.

Class of 1901 Fund.

Class of 1896 Fund.

The Ada V. Horton Scholarship Fund—Gift of the Alumni of York County.

Scholarship—Franklin County Chapter of the Daughters of the American Revolution.

The Hannah A. Kieffer Rural Scholarship Loan.

Ezra Lehman Scholarship Fund—Class of 1896.

Women's Athletic Association Loan Fund.

These loans are made annually to seniors who need assistance and whose records are meritorious.

THE CURRICULA

The curricula offered at this college include elementary education providing emphasis in early childhood education, in intermediate education or in rural education; secondary education for teaching the various academic subjects of the junior and senior high school curricula; education for teaching in the fields of adult education and business education. A curriculum known as cooperative education provides instruction in the techniques requisite in progressive schools. All curricula are four years in length and lead to the degree of Bachelor of Science in Education and to a Provisional College Certificate to teach in the public schools of the Commonwealth of Pennsylvania.

Since the national survey of teacher education, undertaken by the Office of Education at Washington, revealed through its published reports the wisdom of distributing the material in schools and colleges of education to provide liberal, cultural basis in the first two years and place the professional emphasis in the last two years, the curricula for the State Teachers Colleges of Pennsylvania have been revised to conform to these findings and the recommendations of this survey.

ELEMENTARY CURRICULUM

(Sequence of courses subject to change for administrative reasons)

	Cl.	Sem.		Cl.	Sem.
	Hrs.	Hrs.		Hrs.	Hrs.
First Semester			Third Semester		
English I, including Li-			Economic Geography	3	3
brary Science	4	3	Literature I (English) . . .	3	3
Fundamentals of Speech . .	3	3	General Psychology	3	3
Biological Science I	4	3	Physical Science I	4	3
Health and Physical Edu-			Health and Physical Educa-		
cation I	3	1	tion III	3	1
Place and Purpose of Edu-			Elective	3	3
cation in the Social Ord-				—	—
er	3	3		19	16
Appreciation of Music . . .	3	2			
	—	—			
	20	15	Fourth Semester		
Second Semester			Literature II (American) . .	3	3
English II	3	3	Principles of Sociology . . .	3	3
Principles of Geography . .	3	3	or Principles of Eco-		
Biological Science II	4	3	nomics (3)	(3)	(3)
Health and Physical Edu-			Educational Psychology . .	3	3
cation II	3	1	Physical Science II	4	3
History of Civilization . . .	4	4	Health and Physical Edu-		
Appreciation of Art	3	2	cation IV	3	1
	—	—	Elective	4	4
	20	16		—	—
				20	17

	Cl.	Sem.		Cl.	Sem.
	Hrs.	Hrs.		Hrs.	Hrs.
Fifth Semester					
United States History before 1865	3	3			
Teaching of Reading	3	3			
*Music I	4	2			
*Art I	4	2			
Curriculum in Arithmetic	2	2			
School Law	1	1			
Health and Physical Education V	3	1			
Electives	2	2			
	—	—			
	22	16			
Sixth Semester					
History of Pennsylvania ..	2	2			
Teaching of English, including Handwriting ..	4	3			
Music II	3	2			
Art II	3	2			
United States History since 1865	3	3			
Health and Physical Education VI	3	1			
Electives	3	3			
	—	—			
	21	16			
Seventh Semester					
Educational Measurements ..	2	2			
Curriculum in Elementary Science	4	3			
Visual Education	2	1			
Children's Literature and Story Telling	3	3			
Evolution of the American Public School	2	2			
Ethics	3	3			
American Government—Federal, State and Local	3	3			
	—	—			
	19	17			
Eighth Semester					
Student Teaching and Conferences	18	12			
Curriculum Materials, Selection and Adaptation	4	3			
	—	—			
	22	15			
TOTAL	163	128			

Notes: (1) The electives in the first two years shall consist of such approved courses as will meet the needs of the students' future program of studies.

(2) The electives in the last two years shall be selected with reference to the field of service for which the prospective teacher is preparing.

*Admission to the professional courses in Art and Music—Art I, Art II, Music I and Music II—will be restricted to those students enrolled in the elementary curriculum who have, in written and oral examinations, demonstrated a sufficient mastery of the knowledge and skill necessary to enable them to pursue these professional courses with profit.

SPECIALIZATION AND ELECTIVES

1. Students enrolled in the State Teachers Colleges may qualify for the degree of Bachelor of Science in Education by satisfactorily completing the basic elementary four-year curriculum and twelve semester hours offered at the College at which the degree is to be conferred.
2. Students desiring to specialize in Early Childhood Education (nursery school, kindergarten, grades 1, 2, and 3), Intermediate Education (grades 4, 5, and 6), or Rural Education (grades 1-6 or 1-8) shall be required to complete satisfactorily the basic four-year elementary curriculum and meet the following specific requirements for the field of specialization desired:

	Cl.	Sem.
	Hrs.	Hrs.
a. Early Childhood Education		
Early Childhood Education	3	3
*Student Teaching in Grades Below Fourth	18	12
Curriculum Materials Selection and Adaptation for Early Childhood Grades	4	3
	25	18
b. Intermediate Education		
Teaching of American History and Government	3	3
*Student Teaching in Intermediate Grades	18	12
Curriculum Materials Selection and Adaptation for Intermediate Grades	4	3
	25	18
c. Rural Education		
Rural School Problems	3	3
**Student Teaching under Rural School Conditions	18	12
Curriculum Materials Selection and Adaptation for the Rural School or in Grades 1-6 or 1-8 Under Condi- tions Approximating Those in Rural Schools	4	3
	25	18
3. Electives		
Child Adjustment	3	3
Child Psychology	3	3
Diagnostic and Remedial Instruction in Reading	3	3
Education for Family Living	3	3
Mental Hygiene	3	3
Safety Education	2	2
School Finance	1	1
Teaching of Arithmetic	3	3

*Three semester hours of the twelve required may be observation and participation in other age levels of the elementary field.

**Three of the twelve semester hours required may be observation and participation in the Early Childhood Education or Intermediate Education divisions.

SPECIALIZATION AND ELECTIVES

(Continued)

	Cl. Hrs.	Sem. Hrs.	
Red Cross First Aid Standard Course and Advanced Course	30	2	
Red Cross Home Nursing	3	1	
Clinical Psychology	Var.		Crdt.
Workshop		3	
Education of Exceptional Children	3	3	

and courses in academic fields and special curriculums approved at the college in which the student is registered, provided that to achieve a breadth of background not more than six (6) semester hours may be selected from courses listed above and not more than six (6) semester hours may be selected from any one academic field or special curriculum except that

(a) Twelve (12) hours may be elected in Speech including Dramatics.

(b) Students pursuing the Elementary Curriculum who may elect to specialize in Speech Correction, in Mental Retardation, or in any other phase of education for teachers of atypical children may take twelve (12) hours in courses related to these fields and in addition thereto may substitute courses in the field of specialization to a total of six semester hours for any two of the following:

Ethics	3	3
Curriculum Materials	4	3
Student Teaching	4	3

provided such substitution has the approval of the President of the College.

SECONDARY CURRICULUM

(Sequence of courses subject to change for administrative reasons)

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
First Semester			Second Semester		
English I, including Library Science	4	3	English II	3	3
Fundamentals of Speech ..	3	3	Principles of Geography ..	3	3
Biological Science I	4	3	Biological Science II	4	3
Health and Physical Education I	3	1	Health and Physical Education II	3	1
Place and Purpose of Education in the Social Order	3	3	History of Civilization ..	4	4
Appreciation of Music ..	3	2	Appreciation of Art	3	2
	—	—		20	16
	20	15			

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Third Semester			Sixth Semester		
Economic Geography	3	3	Problems of Secondary Education	2	2
Literature I (English) . . .	3	3	Health and Physical Edu- cation VI	3	1
General Psychology	3	3	History of the United States, including the His- tory of Pennsylvania . . .	3	3
Physical Science I	4	3	Electives	10	10
Health and Physical Edu- cation III	3	1	<hr/>	<hr/>	<hr/>
Elective	3	3	18	16	
	<hr/>	<hr/>			
	19	16			
Fourth Semester			Seventh Semester		
Literature II (American) . .	3	3	Evolution of the Ameri- can Public School	2	2
Principles of Sociology . . .	3	3	Visual Education	2	1
or Principles of Eco- nomics (3)	(3)	(3)	Ethics	3	3
Educational Psychology . . .	3	3	Electives	10	10
Physical Science II	4	3	<hr/>	<hr/>	<hr/>
Health and Physical Edu- cation IV	3	1	17	16	
Elective	4	4			
	<hr/>	<hr/>			
	20	17			
Fifth Semester			Eighth Semester		
American Government— Federal, State and Local . . .	3	3	Student Teaching and Con- ferences	18	12
School Law	1	1	Curriculum Materials, Se- lection and Adaptation . . .	4	3
Educational Measurements . .	2	2	<hr/>	<hr/>	<hr/>
Health and Physical Edu- cation V	3	1	22	15	
Electives	10	10	TOTAL	155	128
	<hr/>	<hr/>			
	19	17			

Note: A major field consists of a minimum of 24 semester hours. A minor field consists of a minimum of 18 semester hours.

SUBJECT FIELD REQUIREMENTS FOR SECONDARY CURRICULUM

ENGLISH (Required courses)			Electives		
	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
English I	4	3	Contemporary Poetry	3	3
English II	3	3	Essay	3	3
English Literature	3	3	Journalism	3	3
American Literature	3	3	Modern Drama	3	3
Recommended			Modern Novel	3	3
Advanced Composition	3	3	Nineteenth Century Novel . .	3	3
English Philology	3	3	PreShakespearean Literature	2	2

	Cl. Hrs.	Sem. Hrs.
Electives		
Romantic Literature	3	3
Shakespeare	3	3
Short Story	3	3
Victorian Prose and Poetry	3	3
World Literature	3	3
Eighteenth Century Literature	3	3
American Poetry	3	3

GEOGRAPHY
(Required Courses)

Principles of Geography	3	3
Economic Geography	3	3
Recommended		
Geography of Europe	3	3
Geography of Latin America	3	3
Geography of Pacific Realm	3	3
Geography of United States and Canada	3	3

Electives

Meteorology	3	3
Climatology and Meteorology	3	3
Physiography	3	3
Commercial and Industrial Geography	3	3
Conservation of Natural Resources	3	3
Field Courses (to be approved)	3	3
Trade and Transportation	3	3
Geography of Pennsylvania	3	3
Geography of Australasia and Africa	3	3
Geographic Influences in American History	3	3
Geography of Asia	3	3

MATHEMATICS
Recommended

College Algebra	3	3
College Trigonometry	3	3
Analytic Geometry	3	3
Differential Calculus	3	3
Integral Calculus	3	3
Statistics	3	3

	Cl. Hrs.	Sem. Hrs.
Electives		
Applied Mathematics	3	3
Advanced College Algebra	3	3
History of Mathematics	3	3
Synthetic Geometry	3	3
Spherical Trigonometry and Navigation	3	3

FRENCH
Recommended

French I and II (Elementary)	6	6
French III and IV (19th Century and Contemporary Prose and Poetry)	6	6
French V (Outline Course in French Lit.)	3	3
French VI (17th Century French History and Literature Composition)	3	3

Electives

French VII and VIII (Romantic and Realistic Movement in French Lit.)	6	6
French IX (French Novel)	3	3
French X (French Drama)	3	3
French Civilization	3	3

SPANISH
Recommended

Elementary Spanish	6	6
Intermediate Spanish	6	6
Introduction to Spanish Literature	3	3
Spanish Conversation	3	3

Electives

Advanced Spanish Conversation	3	3
Commercial Spanish	4	4
Spanish-American Literature	6	6
Contemporary Spanish Drama	6	6

	Cl. Hrs.	Sem. Hrs.
LATIN		
(Not offered 1948-49)		
Recommended		
Latin I (Ovid and Virgil)	3	3
Latin II (Livy)	3	3
Latin III (Cicero and Tacitus, De Senectute and De Amicitia)	3	3
Latin IV (Horace)	3	3
Latin V (Plautus and Terence)	3	3
Latin VI (Roman Civilization)	3	3
Electives		
To be approved in terms of the needs of students.		

SOCIAL STUDIES (History Required)

History of Civilization ..	4	4
Principles of Economics ..	3	3
Principles of Sociology ..	3	3
American Government ...	3	3
History of the United States, including History of Pennsylvania	3	3
Electives		
United States History	6	6
European History	6	6
History of Pennsylvania ..	2	2
Social and Industrial History of the United States	3	3
Renaissance and Reformation	3	3
Contemporary European History	3	3
History of England	3	3
History of Latin America .	3	3
History of the Far East ..	2	2
Note: Nine semester hours in the field of history with nine semester hours in the field of social science is the minimum requirement for certification in the field of social studies.		

SOCIAL SCIENCE (Required)

History of Civilization ..	4	4
Principles of Economics ..	3	3
Principles of Sociology ..	3	3

	Cl. Hrs.	Sem. Hrs.
American Government ...	3	3
History of the United States, Including History of Pennsylvania	3	3

Electives

Contemporary Economic Problems	3	3
Municipal Government ..	3	3
Comparative Government .	3	3
Evolution of Social Institutions	3	3
Rural Sociology	3	3
United States History	6	6
History of Pennsylvania ..	2	2
Ethics	3	3
Industrial Relations	2	2
Introduction to Philosophy	3	3
Social Problems	3	3

BIOLOGY

Instead of Biology Science I and II, students specializing in Biology shall take either Botany I and II or Zoology I and II.

Instead of Physical Science I and II, students specializing in Biology shall take Chemistry I and II.

Recommended

General Botany I (Flowering Plants)	5	3
General Botany II (Non-Flowering Plants)	5	3
General Zoology I (Invertebrates)	5	3
General Zoology II (Vertebrates)	5	3

Electives

Comparative Anatomy ...	5	3
Bacteriology	5	3
Ecology	5	3
Entomology	5	3
Embryology	5	3
Field Botany	5	3
Field Zoology	5	3
Forestry	5	3
Heredity	5	3
Histology	5	3
Ornithology	5	3
Parasitology	5	3
Physiology	5	3
Plant Propagation	5	3

CHEMISTRY

Instead of Physical Science I and II, students specializing in Chemistry shall take Physics I and II.

Biological Science I and II or the equivalent number of hours in Botany and Zoology are required for students taking chemistry as the first field of specialization.

	Cl. Hrs.	Sem. Hrs.
Recommended		
Inorganic Chemistry I ..	6	4
Inorganic Chemistry II ...	6	4
Qualitative Analysis	7	3
Quantitative Analysis	7	3
Organic Chemistry I	6	4

Electives

Organic Chemistry II	5	3
Industrial Chemistry	3	3
Physical Chemistry	5	3
Biological Chemistry	5	3
Chemistry of Food Nutrition	5	3
Photography	5	3

PHYSICS

Students specializing in Physics must demonstrate competence in mathematics adequate to carry courses in Physics.

Instead of Physical Science I and II students specializing in Physics shall take Chemistry I and II.

Biological Science I and II or the equivalent number of semester hours in Botany and Zoology will be required.

Cl. Sem.
Hrs. Hrs.

Recommended

Physics I and II	12	8
Mechanics	5	3
Electricity and Magnetism	6	4

Electives

Heat	5	3
Optics	5	3
Sound	5	3
Radio Communication ...	5	3
Physical Measurements ..	5	3
Astronomy	5	3
Photography	5	3
Modern Physics	5	3
Aeronautics	6	4

GENERAL SCIENCE

Thirty (30) semester hours in scientific fields shall be required as a minimum for specialization in the field of General Science and shall include courses in Chemistry, Physics, Botany, Zoology, Earth Science and Mathematics.

BUSINESS EDUCATION CURRICULUM

Business Education Department

The State Teachers College, Shippensburg, Pennsylvania, has been specifically designated by the State Department of Public Instruction to train teachers of business subjects for the high schools and the junior high schools of the Commonwealth. The fulfillment of the four-year requirement leads to the degree of Bachelor of Science in Education, thereby certifying the graduates in the field of business education as teachers or as supervisors.

Young men and women who are graduates of academic or commercial high school courses are afforded a splendid opportunity to obtain training in teaching techniques, and also in business skills.

Purpose

The purpose of the curriculum in Business Education is to provide thorough and systematic training in the fundamentals of business education, thus giving an intelligent understanding of both the generalized and specialized spheres of education encompassed in the activities of business education.

Teaching Sequence

The Department of Business Education offers four teaching sequences: General Business, Accounting, Secretarial, and Retail Selling. The General Business sequence leads to certification in the three major fields of business—accounting, typewriting, and shorthand. The Accounting, Secretarial, and Retail Selling sequences permit more freedom in the selection of electives, thus providing an opportunity for certification in other fields, or permitting certification in two Business Education curricula. In addition to the sequence elected, certification to teach business law, commercial arithmetic, economics, clerical practice, and junior business training will be secured.

Equipment

Modern office machines are a part of the equipment of the Department. Calculating and adding machines, posting machines, duplicating equipment—mimeograph and mimeoscopes—dictating and transcribing units, and other up-to-date office appliances enable the student to obtain both a theoretical knowledge of and practical training in the use of the mechanical time-savers of business.

*Shippensburg State Teachers College is a member of the National Association of Business Teacher-Training Institutions.

Opportunities

There is a large and growing demand for qualified degree-holding teachers of business education in the high schools of the Commonwealth. Orientation and exploratory courses, and increased guidance in junior high schools have caused a demand for teachers of elementary business training and kindred subjects. The realization that retail selling needs trained personnel has caused an impetus in the demand for teachers trained in this phase of business education. More and more high schools are taking advantage of the services of graduates of the retail selling course.

The main outcome of the curriculum is qualified teachers of business subjects, but various concomitant learnings emerge during this period of training. The dual character of the subject matter enables a graduate to obtain command of various skills that are usable in the business world. Thus, graduates are fitted to serve in the educational world, and also in the business world.

If at the end of two years a student does not desire to complete the full course immediately, he will be prepared to do efficient work in an office until he can return to complete the last two years and obtain his degree.

Practical Experience

Practical experience in various phases of business is a vital and essential part of the preparation of prospective business education teachers. This experience, to be of the most value, should be in the field or fields in which the student is preparing to teach. Such experience can be acquired largely during summer vacations and part time while attending college.

Elective Fields

The fields of English, social studies, science, and geography are especially recommended as other teaching combinations for students in business education.

Teacher Placement

Our graduates are placed without charge in teaching positions through the Placement Department of our College. The Department of Business Education likewise takes special interest in securing positions for its graduates. Teachers-in-service also have the assistance of our Placement Department.

Summer Session

A Summer Session consisting of two six week sessions is conducted to meet the varying needs of different groups of students:

1. Commercial teachers who wish to obtain additional certification.
2. Commercial teachers who wish to continue training for the B.S. degree in Education.
3. Those students who wish to shorten the time necessary to complete the four-year course.

During these sessions courses are offered in the most modern commercial teaching theory, methods, and subject matter. Those interested in the Summer Sessions should write for a descriptive bulletin.

GRADUATION REQUIREMENTS AND GENERAL INFORMATION

1. On completing the basic first year of the Business Education curriculum, students are expected to choose one of the following: General Commercial Sequence, Accounting Sequence, Secretarial Sequence, or Retail Selling Sequence, as shown on the following pages.
2. Sequence of courses is subject to change for administrative reasons.
3. The satisfactory completion of the curriculum outlined with not fewer than 128 semester hours is required for graduation.
4. Any courses offered at the college may be chosen as electives subject to the approval of the President.
5. To be graduated with a Retail Selling Sequence, two semesters of Accounting credit are required.

BUSINESS EDUCATION CURRICULUM *

Basic First Year

	Cl.	Sem.		Cl.	Sem.
	Hrs.	Hrs.		Hrs.	Hrs.
	First Semester			Second Semester	
English I including Library Science	4	3	English II	3	3
Place and Purpose of Business Education in Social Order	3	3	Economic Geography	3	3
Fundamentals of Speech	3	3	Health and Physical Education II	3	1
Health and Physical Education I	3	1	Business Mathematics II	3	3
Business Mathematics I	3	3	Accounting I	5	3
Business Writing	3	1	Typewriting II	3	1
Typewriting I	3	1	Shorthand I	5	3
	22	15		25	17

GENERAL COMMERCIAL SEQUENCE

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Third Semester			Sixth Semester		
English Literature	3	3	Methods of Teaching Business Subjects	3	3
Business Organization and Finance	3	3	Educational Measurements	3	3
Accounting II	5	3	Secondary School Business Education	2	2
Shorthand II	5	3	Economics I	3	3
Typewriting III	5	2	Visual Education	2	1
Health and Physical Education III	3	1	Clerical Practice	5	3
	<u>24</u>	<u>15</u>		<u>18</u>	<u>15</u>
Fourth Semester			Seventh Semester		
General Psychology	3	3	Biological Science	4	3
Business Correspondence	3	3	American Government	3	3
Business Law I including School Law	3	3	Economics II	3	3
Accounting III	3	3	History of the United States including History of Pennsylvania	3	3
Shorthand Applications	5	3	Auditing	3	3
Typewriting Applications	5	2		<u>16</u>	<u>15</u>
Health and Physical Education IV	3	1			
	<u>25</u>	<u>18</u>			
Fifth Semester			Eighth Semester		
Educational Psychology	3	3	Student Teaching and Conferences	18	12
Business Law II	3	3	Curriculum Materials and Adaptation	4	3
Sales and Retail Selling I	3	3		<u>22</u>	<u>15</u>
Accounting IV	3	3			
Stenographic Office Practice	5	3			
Electives	3	3			
	<u>20</u>	<u>18</u>			

ACCOUNTING SEQUENCE

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Third Semester			Fourth Semester		
English Literature	3	3	General Psychology	3	3
Business Organization and Finance	3	3	Business Correspondence	3	3
Accounting II	5	3	Business Law I including School Law	3	3
Health and Physical Education III	3	1	Accounting III	3	3
Electives	6	6	Health and Physical Education IV	3	1
	<u>20</u>	<u>16</u>	Electives	4	4
				<u>19</u>	<u>17</u>

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Fifth Semester			Seventh Semester		
Educational Psychology ..	3	3	Biological Science	4	3
Business Law II	3	3	American Government ..	3	3
Sales and Retail Selling I .	3	3	Economics II	3	3
Accounting IV	3	3	History of the United States including History of Pennsylvania	3	3
Electives	6	6	Auditing	3	3
	—	—		—	—
	18	18		16	15
Sixth Semester			Eighth Semester		
Methods of Teaching Busi- ness Subjects	3	3	Student Teaching and Con- ferences	18	12
Educational Measurements .	3	3	Curriculum Materials and Adaptation	4	3
Secondary School Business Education	2	2		—	—
Economics I	3	3		22	15
Visual Education	2	1			
Clerical Practice	5	3			
	—	—			
	18	15			

SECRETARIAL SEQUENCE

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Third Semester			Fifth Semester		
English Literature	3	3	Educational Psychology ..	3	3
Business Organization and Finance	3	3	Business Law II	3	3
Shorthand II	5	3	Sales and Retail Selling I	3	3
Typewriting III	5	2	Stenographic Office Prac- tice	5	3
Health and Physical Edu- cation III	3	1	Electives	6	6
Electives	3	3		—	—
	—	—		20	18
	22	15			
Fourth Semester			Sixth Semester		
General Psychology	3	3	Methods of Teaching Busi- ness Subjects	3	3
Business Correspondence .	3	3	Educational Measurements	3	3
Business Law I including School Law	3	3	Secondary School Business Education	2	2
Shorthand Applications ..	5	3	Economics I	3	3
Typewriting Applications .	5	2	Visual Education	2	1
Health and Physical Edu- cation IV	3	1	Clerical Practice	5	3
Electives	3	3		—	—
	—	—		18	15
	25	18			

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Seventh Semester			Eighth Semester		
Biological Science	4	3	Student Teaching and Con- ferences	18	12
American Government	3	3	Curriculum Materials and Adaptation	4	3
Economics II	3	3		<u>22</u>	<u>15</u>
History of the United States including History of Pennsylvania	3	3			
Electives	3	3			
	<u>16</u>	<u>15</u>			

RETAIL SELLING SEQUENCE

	Cl. Hrs.	Sem. Hrs.		Cl. Hrs.	Sem. Hrs.
Third Semester			Sixth Semester		
English Literature	3	3	Methods of Teaching Busi- ness Subjects	3	3
Business Organization and Finance	3	3	Educational Measurements	3	3
Accounting II	5	3	Secondary School Business Education	2	2
Health and Physical Edu- cation III	3	1	Visual Education	2	1
Electives	6	6	Clerical Practice	5	3
	<u>20</u>	<u>16</u>	Retail Selling II (Adver- tising)	3	3
				<u>18</u>	<u>15</u>
Fourth Semester			Seventh Semester		
General Psychology	3	3	Biology Science	4	3
Business Correspondence	3	3	American Government	3	3
Business Law I including School Law	3	3	Economics II	3	3
Health and Physical Edu- cation IV	3	1	History of the United State including History of Pennsylvania	3	3
Economics I	3	3	Retail Selling III (Store Practice)	12	6
Elective	3	3		<u>25</u>	<u>18</u>
	<u>18</u>	<u>16</u>			
Fifth Semester			Eighth Semester		
Educational Psychology	3	3	Student Teaching and Con- ferences	18	12
Business Law II	3	3	Curriculum Materials and Adaptation	4	3
Sales and Retail Selling I	3	3		<u>22</u>	<u>15</u>
Electives	7	7			
	<u>16</u>	<u>16</u>			

ADULT EDUCATION CURRICULUM

In the broadest sense adult education is concerned with all media of adult learning. Today in Pennsylvania thousands of adults are enrolled in class to seek help in solving felt needs involving almost every interest of life. There are those who wish to secure credit toward high school or college graduation; others need help in solving problems of family relationship; some in understanding the economic situation; some, in interpreting social conditions; others, in learning the responsibilities and duties of citizenship; still others, in adjusting personality to new conditions; etc.

The demand for teachers to help groups meet these vital needs is strongly felt at the present time. The State has recognized its obligation for adult education by providing funds for school districts which employ teachers for adults. This college believes that it can serve the citizens of Pennsylvania by educating teachers for this adult field.

A special four-year curriculum, authorized by the State Council of Education and available at this college only, is designed to familiarize students with the theory and practice of adult education. Graduates from this curriculum will be prepared to serve in school districts that will wish to meet their obligations to the adults of the community. In addition, by judicious selection of electives these graduates will be prepared to teach in the public schools of the Commonwealth.

(Sequence of courses subject to change for administrative reasons)

	Cl. Sem.		Cl. Sem.
	Hrs. Hrs.		Hrs. Hrs.
First Semester		Third Semester	
English I, including Library Science	4 3	English Literature	3 3
Fundamentals of Speech	3 3	Economic Geography	3 3
Biological Science I	4 3	General Psychology	3 3
Health and Physical Education I	3 1	Physical Science I	4 3
Place and Purpose of Education in the Social Order, including School Visitation	3 3	Health and Physical Education III	3 1
Appreciation of Music	3 2	History of the United States including History of Pennsylvania	3 3
	20 15		19 16
Second Semester		Fourth Semester	
English II	3 3	American Literature	3 3
Principles of Geography	3 3	Principles of Sociology	3 3
Biological Science II	4 3	or Principles of Economics (3)	(3) (3)
Health and Physical Education II	3 1	Educational Psychology	3 3
History of Civilization	4 4	Physical Science II	4 3
Appreciation of Art	3 2	Health and Physical Education IV	3 1
	20 16	Elective	4 4
			20 17

		Cl. Hrs.	Sem. Hrs.			Cl. Hrs.	Sem. Hrs.
Fifth Semester				Seventh Semester			
American Government . . .	3	3	Mental Hygiene	3	3		
School Law	1	1	Guidance	2	2		
Psychology of Adult Learning	3	3	Visual Education	2	2		
Health and Physical Education V	3	1	Community Relationships .	3	3		
Elective	8	8	Elective	7	7		
		<u>18</u>			<u>17</u>		<u>17</u>
		18			17		16
Sixth Semester				Eighth Semester			
Philosophy of Adult Education	3	3	Student Teaching and Conference	18	12		
Techniques of Leadership in Adult Education	3	3	Curriculum Materials, Selection and Adaptation .	4	3		
Health and Physical Education VI	3	1			<u>22</u>		<u>15</u>
Elective	9	9	TOTAL	146	128		
		<u>18</u>					
		18					26

COOPERATIVE EDUCATION CURRICULUM

A special four-year curriculum in elementary education authorized by the Board of Teachers College Presidents and available at this college only is designed to familiarize students with the theory and practice of progressive education. Graduates from this curriculum are prepared to assume positions in schools already employing, or desiring to employ, progressive techniques, and are also certified to teach in any elementary school of the Commonwealth.

(Sequence of courses subject to change for administrative reasons)

		Cl. Hrs.	Sem. Hrs.			Cl. Hrs.	Sem. Hrs.
First Semester				Second Semester			
English I, including Library Science	4	3	English II	3	3		
Fundamentals of Speech	3	3	Principles of Geography .	3	3		
Biological Science I	4	3	Biological Science II	4	3		
Health and Physical Education I	3	1	Health and Physical Education II	3	1		
Place and Purpose of Education in the Social Order, including School Visitation	3	3	History of Civilization	4	4		
Appreciation of Music	3	2	Appreciation of Art	3	2		
		<u>20</u>			<u>20</u>		<u>16</u>
		20			20		15

		Cl. Sem.		Cl. Sem.	
		Hrs.	Hrs.	Hrs.	Hrs.
Third Semester					
Economic Geography	3	3			
English Literature	3	3			
General Psychology	3	3			
Physical Science I	4	3			
Health and Physical Educa- tion III	3	1			
Elective	3	3			
	—	—			
	19	16			
Fourth Semester					
American Literature	3	3			
Principles of Sociology	3	3			
or Principles of Eco- nomics	(3)	(3)			
Educational Psychology	3	3			
Physical Science II	4	3			
Health and Physical Educa- tion IV	3	1			
Elective	3	3			
	—	—			
	19	16			
Fifth Semester					
American Government	3	3			
Reading Activities	3	3			
Music I	4	2			
Art I	4	2			
Number Projects	3	2			
School Law	1	1			
Health and Physical Educa- tion V	3	1			
History of the United States before 1865	3	3			
	—	—			
	24	17			
Sixth Semester					
Child Psychology and Guidance	2	2			
Creative English	3	3			
Manuscript Writing	2	1			
Creative Music	3	2			
Creative Art	3	2			
Int. Rhythm, including Teaching of Health	3	2			
History of the United States after 1865	3	3			
Literary Appreciation	2	2			
	—	—			
	21	17			
Seventh Semester					
Measures and Self Testing Materials	2	2			
Environmental Apprecia- tion	4	3			
Visual Education	2	1			
Children's Literature and Story Telling	3	3			
Education for Family Liv- ing	3	3			
Philosophy of the Child Centered School	2	2			
History of Pennsylvania	2	2			
	—	—			
	18	16			
Eighth Semester					
Student Teaching and Con- ferences	18	12			
Curriculum Materials, Se- lection and Adaptation	4	3			
	—	—			
	22	15			
TOTAL	163	128			
ELECTIVES					
Advanced Creative English	3	3			
Advanced Creative Art	4	2			
Mental Hygiene	3	3			
Modern Drama	2	2			
Dramatic Technique	4	2			
Diagnostic and Remedial Instruction in Reading	3	3			
Any electives provided for the elementary curriculum.					

Field trips to progressive schools will be taken as an integral part of this curriculum. Students electing this curriculum must be prepared to meet the cost of these trips taken to Bedford, York, Pittsburgh, Philadelphia, New York, Baltimore, and Washington.

COURSES OF INSTRUCTION

Courses are designated according to the following scheme: Initial letters show subject field; numbers show curricula—1-10, all curricula; 11-20, required elementary; 21-26, required cooperative; 27-29, required secondary; 30-36, elementary elective; 37-39, cooperative elective; 40-60, secondary elective; 61-89, business education (61-81, required on all business education sequences; 82-89, required on special sequences; S—Secretarial, B—Accounting; R—Retail Selling, or electives as indicated); 90 and above, adult education and general electives.

THE ARTS

Art

A-1—Appreciation of Art

The aim of this course is to develop an understanding of the history of painting, sculpture, and architecture of the present day. Works are analyzed for artistic qualities, principles, and techniques. Methods of teaching art appreciation in the elementary grades are emphasized. 2 semester hours

Pre-requisite Course to Art I

This course is given in the sophomore year to students in the elementary field who do not meet the required standard of the achievement tests in art, administered to all students in elementary education, and is pre-requisite to the professional courses in art. When the required proficiency is attained, the course may be dropped. 2 class periods per week. No credit

A-11 Art I (Painting and Drawing)

Projects in such media as reed, wood, soap, plaster, clay, leather, and linoleum are presented in this course to produce skill, to prepare students to teach art in the elementary grades, and to develop an appreciation of art in everyday life. Practical information pertaining to art teaching is presented during class recitations. 2 semester hours

A-12—Art II (Arts and Crafts)

Color theory, creative design, lettering, still life, figure painting, architectural perspective, and landscape paintings are studied in this course to enable students to express themselves competently in such media as pencil, ink, charcoal, pastel, watercolor, tempera, and oil and to complete their professional preparation for teaching art in the elementary grades. Art education theory is covered in class recitations. 2 semester hours

HANDWRITING

All elementary students are required to attain a proficiency in handwriting evidenced by the Zaner-Bloser Handwriting Certificate.

MUSIC

A-2—Appreciation of Music

This course is a cultural study of the history and appreciation of music, from the seventeenth century to the present day. The media used for this study are the victrola, the radio, the music library, and the piano. The course stresses the use of music as a means to a fuller appreciation of life and leisure time.

2 semester hours

Pre-requisite Course to Music I

This course is given in the sophomore year to students in the elementary field who do not meet the required standard in the achievement tests in music, administered to all students in elementary education, and is pre-requisite to the professional courses in music. When the required proficiency is attained, the course may be dropped. 2 class periods per week. No credit

A-15—Music I

This course is designed to prepare students for sight-singing, recognizing and singing melodies dictated to them and to familiarize them with elementary theories of music. Students are taught to write music, to use the voice correctly, and to sing in two part harmony.

2 semester hours

A-16—Music II. Pre-requisite A-15

This course prepares the student for the teaching of music in the kindergarten, primary, intermediate, and rural departments of the elementary school. Many of the ideas and practices taught in course A-15 are carried on for further development. In addition, theories of teaching from an appreciative basis, singing in three parts, and creating music from rhythmic and melodic patterns are presented.

2 semester hours

BUSINESS EDUCATION**B-66—Bookkeeping and Accounting I**

The aim of this course is to introduce the students to bookkeeping and accounting by means of typical financial records used by single proprietary business units. The entire cycle of bookkeeping procedure is covered. 3 semester hours

B-B-82—Bookkeeping and Accounting II

Bookkeeping principles are reviewed and their application to partnership accounting emphasized. 3 semester hours

B-B-83—Bookkeeping and Accounting III

The fundamental principles of accounting theory and practice as they affect the corporate business unit are presented and applied in problem solving. 3 semester hours

B-B-84—Bookkeeping and Accounting IV

Branch, departmental, and manufacturing cost determination under the job order and process systems is studied. 3 semester hours

B-B-85—Accounting V and Auditing

Purpose and scope of audits and examinations are considered. 3 semester hours

B-62—Business Mathematics I

The purpose of this course is to apply known arithmetical skills to business problems pertaining to percentage, discount, interest, bank discount, and valuation. 3 semester hours

B-63—Business Mathematics II

This course aims to give further drill in the elementary problems of business mathematics and bookkeeping, but the main purpose emphasizes application of business mathematics to advanced accounting problems encountered in carrying on the modern functions of selling, marketing, financing, and managing of business units. 3 semester hours

B-65—Shorthand I

The emphasis in this beginning course is on reading of shorthand plates, writing, and mastery of the fundamentals of theory. 3 semester hours

B-S-83—Shorthand II

A study of fundamentals is continued with increasing emphasis on dictation and transcription. 3 semester hours

B-S-84—Shorthand Applications

This course consists of advanced dictation and transcription with a thorough review of shorthand theory. 3 semester hours

B-61—Business Writing

All business students are required to attain proficiency in business writing and to become acquainted with methods of teaching penmanship in secondary schools. 1 semester hour

B-67—Business Organization and Finance

This course deals with the fundamental information and study of the organization and management of typical businesses. The private-enterprise system, basic tools of business management, production, personnel relations, finance, competition, and risk are studied. 3 semester hours

B-68—Clerical Practice and Business Machines

The course is designed to acquaint the student with modern office equipment—calculating, posting, duplicating, dictating and transcribing machines—filing systems, office procedure, and business papers. 3 semester hours

B-69—Business Law I Including School Law

An introduction to the study of fundamental business law, court procedure, contracts, agency, and negotiable instruments is given. A unit of school law is included. 3 semester hours

B-70—Business Law II

The course includes study of the law of business organizations, personal property, security relations, and real property. 3 semester hours

B-72—Secondary School Business Education

A study of the principles underlying business education and their application to curriculum problems is made. Typical business education curricula are considered and their suitability to the requirements of various communities stressed. The student is introduced to the broad field of business education literature. 2 semester hours

B-73—Educational Measurements

Consideration of basic theory and test construction is followed by a study of tests and methods of measurement as applied in Business Education. 3 semester hours

B-74—Business Correspondence

Problems arising in business situations are utilized for the study of form and content of business correspondence. Essentials of grammar are reviewed. Writing of various types of business letters forms an integral part of the course. 3 semester hours

B-75—Methods of Teaching Business Subjects

Definite application of the psychological principles of skill building and the laws of learning is made to the subjects included in the business education curriculum. A study of lesson plans, of teaching, and supplementary material is included. 3 semester hours

B-S-87—Stenographic Office Practice

This is an advanced stenographic practice course. The theory and practice of secretarial duties common to all lines of business are included as is secretarial dictation. 3 semester hours

B-64-a—Typewriting I

This beginning course emphasizes the mastery of mechanical skills requisite to basic manipulative typewriting skill. Diagnostic and remedial work are stressed. 1 semester hour

B-64-b—Typewriting II

Dexterity and efficiency in handling the typewriter are stressed, and placement of manuscripts, letters, and simple tabulation are taught. 1 semester hour

B-S-85—Typewriting III

Speed building, advanced letter writing problems, business and legal forms, and transcription from shorthand notes are stressed. 2 semester hours

B-S-86—Typewriting Applications

Practical business problems form the basis for teaching materials emphasizing application to advanced typewriting problems. 2 semester hours

B-71—Sales and Retail Selling I

This course is an introduction to a general study of the principles of salesmanship, personnel and store lay-out, in their relation to selling. This study certifies in general salesmanship.

3 semester hours

B-R-82—Retail Selling II

This course is a general survey of the entire field of advertising procedure from the inception of the advertising idea to the completion of the advertisement.

3 semester hours

B-R-83—Retail Selling III

A study of the fundamental problems of marketing is made.

3 semester hours

B-R-84—Retail Selling IV

Retail store organization and management and the problems of store operation are studied.

3 semester hours

EDUCATION AND PSYCHOLOGY

Ed-1—Place and Purpose of Education in the Social Order

This course is intended to acquaint the student with the major functions of education in contemporary society. It is not essentially a professional course. It includes a survey of the organization, underlying purposes, and the content of American education with some reference to education in non-democratic society.

3 semester hours

Ed-2—General Psychology

This is an introductory study of the field of mental life. The course aims to lay a foundation for all later study in education or psychology and to give a general appreciation of the psychological approach to an analysis of animal and human behavior.

3 semester hours

Ed-3—Educational Psychology

The application of the principles of psychology to the guidance of mental development is made. Special consideration is given to the native equipment of human beings; the cultivation of habits of thinking, feeling, and acting; the psychology of individual differences; the laws of learning and the psychology of school subjects.

3 semester hours

Ed-4—School Law

This course is designed to acquaint the student with the provisions of the law relative to the organization of the school system, the provision for levying and collecting taxes, the method of determining the State appropriation, the duties and responsibilities of boards of school directors, superintendents, principals, teachers and other school officials and employes, as well as the basic philosophy underlying the operation of the school system of the Commonwealth.

1 semester hour

Ed-5—Educational Measurements (See B-73)

This course is concerned primarily with measurement as a significant element in the educative process. Various techniques of constructing achievement tests are considered. Special emphasis is given to the evaluation of tests, the administration of tests, statistical interpretation of test results, and diagnostic procedures.

2 semester hours

Ed-6—Visual Education

What philosophy justifies the widespread use of Visual-Sensory aids? What aids are available? How should they be used? What will they accomplish? What should they cost? Such analyses are made regarding pictorial materials and their projection, objective materials, the school journey, auditory and other types of sensory aids.

1 semester hour

Ed-7—Evolution of the American Public School

This course is designed to acquaint the student with the development of the American public school in both elementary and secondary fields.

2 semester hours

Ed-8—Ethics

While a study of the fundamental theories of human conduct, including the nature of man, his relation to God, to society and to himself, is considered, special emphasis is laid upon the ethical practices peculiar to the teaching profession.

3 semester hours

Ed-9—Student Teaching

This activity is required during the last year of training. It includes observation, participation and teaching, and is offered according to the specialization of the student in Early Childhood, Intermediate, Rural, Cooperative, Secondary or Business Education fields. The Campus Laboratory School affords training in the

kindergarten and grades one to six. Training in the Rural field is obtained in a two-room school in Shippensburg Borough. The Shippensburg schools also provide for training in the Junior and Senior High Schools and in grades one to six. 12 semester hours

Ed-10—Curriculum Materials, Selection and Adaptation

Parallels student teaching experiences. Through directed readings, research, discussion, observations, and experimentation, the student interprets and applies the principles of effective teaching and learning. The objectives of education, the development of the curriculum, and the selection, organization and adaptation of materials constitute the major problems of the course which is in charge of group directors as co-ordinators assisted by the Laboratory School Staff. 3 semester hours

Ed-27—Problems of Secondary Education

This course offers a study of the aims, functions, and development of secondary education; the consideration of trends in curriculum construction in relation to the reorganization of secondary education; the aims and functions of guidance in the secondary school; the responsibility of the individual teacher for educational and vocational guidance. 2 semester hours

Ed-30—Early Childhood Education

A study is made of the growth, learnings and adjustments characteristic of children from infancy through the early school years, the nursery school through the first three grades. Consideration will be given to such problems as language ability, choice of adaptations of materials, arrangement of the environment, activities and controls needed for optimum development. Observation in the laboratory school and case studies will be made. 3 semester hours

Ed-31—Child Psychology

This course presents a study of the physical, mental, emotional, and social development of the child from birth to adolescence. The period from five to ten years of age is especially emphasized, and opportunity is given to observe children in the Laboratory School. 3 semester hours

Ed-32—Special Education

This course is intended to acquaint the student with the different types of atypical children—gifted, mentally sub-normal, tubercular, partially blind, partially deaf, speech defective, crippled, socially maladjusted—who require a special program, special devices, and special teaching techniques.

Ed-33—Child Adjustment

This course presents a study of the physical, mental, emotional, and social development of the child from birth to adolescence. The period from five to ten years of age is especially emphasized, and opportunity is given to observe children in the Laboratory School.

3 semester hours

Ed-34—Rural School Problems

A study of the relationship of education to rural society and the consideration of problems pertinent to the personnel, maintenance, equipment, and organization of a rural school.

3 semester hours

Ed-35—School Finance

This course includes an analysis of school costs, together with a consideration of the possible sources of revenue. Current expenses are contrasted with capital outlay, and the theories and problems of incurring debt through the issue of bonds are studied. Consideration is given to the methods of school accounting in use and recommended in the Pennsylvania public schools.

2 semester hours

Ed-37—Mental Hygiene

This course considers the problem of adjustment of the individual, with the idea of developing a healthy mental state and giving the fundamental principles of this development in child life.

3 semester hours

Ed-40—Adolescent Psychology

A survey of mental development from puberty to maturity, including social, emotional, moral and intellectual growth, as influenced by hereditary and environmental forces is made. Emphasis is given to available means and methods of educating the adolescent.

2 semester hours

Ed-41—Clinical Psychology

This course is designed to give the clinical experience necessary for certification as a psychological examiner. The work covers the administration and interpretation of performance tests; individual and group intelligence tests, achievement tests, personality inventories, and the use of clinical instruments. Credit is given on the basis of one semester hour credit for each 45 clock hours spent in the actual work of the clinic; maximum credit is six semester hours. Registration, with the consent of the Dean of Instruction and the Director of the clinic.

Variable credit.

ENGLISH

E-1—English I

This course is a course in fundamentals emphasizing the structure and use of correct English. The work is based upon the needs of students as discovered in their written composition and in their speech. 3 semester hours

E-2—English II

This composition course is designed to further the student's knowledge of fundamentals and improve his written and spoken English. Pre-requisite English I. 3 semester hours

E-3—Fundamentals of Speech

This course stresses the fundamentals of good speech, voice, and diction. In connection with pronunciation, emphasis is placed upon dictionary study. Exercise is given in numerous speech activities, such as reading, dramatics, and various types of speaking. Special attention is given to the speech problems of individuals, revealed through mechanical recordings. 3 semester hours

E-4—Literature I

A study of the major types of English prose and poetry by means of discussion, reports, and analysis is made. 3 semester hours

E-5—Literature II

Types of American literature from Colonial times to the present by means of discussion, reports, and analysis are studied. 3 semester hours

E-11—Teaching of Reading

After a general survey of the reading process and the aims of reading instruction is made, attention is equally divided between primary and intermediate grade reading methods and materials. The work is supplemented by demonstrations in the laboratory school and in the classroom. 3 semester hours

E-12—Teaching of English

This course deals with the materials used in elementary English classes and the methods used in handling such materials. 3 semester hours

E-13—Children's Literature

After a brief survey is made of children's interests and the characteristics of good juvenile literature, the course is largely devoted to the study of the various types of suitable poetry and prose for use with children. Story telling and dramatization are included in the study of methods of presentation.

3 semester hours

E-22—Reading Activities

After a study of fundamentals of the reading process, the course is devoted to examination of the various activities leading toward and used in actual reading. Full use is made of literary and factual materials which lend themselves to the newer types of reading programs.

3 semester hours

E-30—Diagnostic and Remedial Instruction in Reading

This is an advanced course in dealing with reading difficulties. One period each week is devoted to practice with problem cases in the laboratory schools. (Pre-Requisite E-11).

3 semester hours

E-37—Modern Drama

The course is designed to give the student a background upon which to base his judgment of dramatic literature and dramatic production.

3 semester hours

E-38—Dramatic Technique

Discussion of plays suitable for school production and a study of the techniques involved are emphasized.

2 semester hours

E-40—English Philology

This course outlines the historical development of the English language, with a brief survey of historical grammar and review of the principles and methods involved in the study of grammar.

3 semester hours

E-41—Advanced Composition

An advanced course is offered in various types of expository composition and other types of discourse, for students preparing to teach English.

3 semester hours

E-42—Shakespeare

Plays typical of the author's various dramatic periods are studied. There is a core of intensive reading in class, with extensive reading for report. Initial consideration is given to the

social and dramatic background of the author. Information derived from the course is related to the consideration of high school Shakespearean plays. 3 semester hours

E-43—Short Story

This course is designed to give the student a knowledge of the history and technique of the short story. American, English, and European writers are considered. Stories are written by students interested in this phase of the work. 3 semester hours

E-44—Modern Novel

This is a study of the modern novel in English. The course begins with the work of Hardy and includes the writing of the younger novelists of the present time. 3 semester hours

E-45—World Literature

A limited survey course designed to furnish a basis for cultural reading. European literature is stressed. 3 semester hours

E-46—Contemporary Poetry

A study of British and American poetry of the Twentieth Century is made. The course acquaints the students with modern trends in poetry, works for the appreciation of verse forms, and suggests contemporary poetry suitable for intermediate and high school classes. 3 semester hours

E-47—Victorian Prose and Poetry

This course deals with the writings of the greater Victorian poets and essayists and stresses the trends of Victorian thought as found in the literature of the age. 3 semester hours

E-48—Journalism

An advanced composition course is offered stressing the development of school papers and magazines. 3 semester hours

E-49—Pre-Shakespearean Literature

This course considers literature from the beginning of Anglo-Saxon poetry to the writings of Shakespeare's time. Emphasis is placed upon the work of Chaucer. 2 semester hours

E-50—Romantic Period

The aim of this course is to acquaint students with the English Romantic Movement of the late eighteenth and early nineteenth centuries. Emphasis is placed upon poetry and literary criticism of and by the poets of this period. 3 semester hours

E-51—Essay

A survey of the essay from the time of Charles Lamb to the present day is made. 3 semester hours

E-52—Modern Drama

See E-37.

E-53—19th Century Novel

This course includes a study of the novel from the time of Jane Austen and Sir Walter Scott to the end of the Victorian period. 3 semester hours

E-54—The 18th Century

This course includes the study of satire in poetry, drama, novel, and essay, together with the development of the novel, the traces of coming romanticism, and certain examples of letter writing, biography, and political oratory. 3 semester hours

FOREIGN LANGUAGES**French****F-40 and 41—Elementary French**

A thorough review of the fundamentals of French grammar and pronunciation is made. Reading material is chosen from late nineteenth century and contemporary literature. Methods and problems involved in the teaching of French are introduced. Emphasis is placed on French life and customs. 6 semester hours

**F-42 and 43—19th Century and Contemporary
French Prose and Poetry**

Reading and discussion of the important works of the novelists, dramatists, and poets of romanticism and realism and of the more recent literary movements form the basis of this course. 6 semester hours

F-44—17th Century French History and Literature

A study of the classical period of French literature with special emphasis on the plays of Corneille, Racine and Moliere is made. 3 semester hours

F-45—Outline Course in French Literature

This course provides a rapid survey of the origin and development of French language and literature. An attempt is made to trace the development of literary types and of ideas.

3 semester hours

F-46 and 47—Romantic and Realistic Movements in French Literature

A study of the origins and development of romanticism and realism in French literature is made.

6 semester hours

F-48—The French Novel

A study of the novel, its origin and development is offered. The most important novels of each period are read and discussed.

3 semester hours

F-49—French Drama

This course traces the history of French drama. The most important plays of each period are read and discussed.

3 semester hours

These courses include practice in speaking and writing French. Methods and problems involved in the teaching of French are progressively introduced and discussed. The literature is presented with its historical and cultural background.

F-50—French Civilization

This course develops an understanding of modern France through a study of the factors that have produced the French nation and its civilization. This course may be elected by students who are not French majors.

3 semester hours

SPANISH**Sp-40 and 41—Intermediate Spanish**

A thorough review of the fundamentals of Spanish grammar and pronunciation. Reading material is chosen from the contemporary literature of Spain and Spanish America.

6 semester hours

Sp-42—Introduction to Spanish Literature

This course offers a rapid survey of the history of Spanish literature with emphasis on the development of literary types and ideas.

3 semester hours

Sp-43—Spanish-American Literature

A rapid survey of the history of literature and ideas in Spanish American countries is made. 3 semester hours

Sp-44—Spanish Civilization

This course traces the development of Spanish culture and its influence both in Spain and in Spanish America. 3 semester hours

Sp-45—The Spanish Drama

This course traces the development of the Spanish Drama. 3 semester hours

Sp-46—Spanish Conversation

Spoken Spanish and training in the organization of material for conversation. 3 semester hours

Sp-47—Commercial Spanish

Business letters and practices. This course is correlated with work in the Business Education Department. 4 semester hours

GEOGRAPHY**G-1—Principles of Geography**

The emphasis of this course is on the relationship between the physical and the cultural environment. Some of the important geographic factors, such as climate, natural vegetation, soil, minerals, water bodies, and topography, are discussed. This course includes the fundamental principles of mathematical geography. 3 semester hours

G-2—Economic Geography

This course deals with the agricultural, industrial, and commercial relations of the world. Special emphasis is placed upon the agricultural geography of the United States and its ability to feed, clothe, and shelter itself. Minerals, their distribution and world interdependence is stressed. Urban geography and the geographic problems of site, location, and growth of the larger cities of the world are studied. 3 semester hours

**G-21—Environmental Appreciation
(Cooperative Education Curriculum)**

This course offers a study of the factors that influence man's needs, progress, and culture, including the forces of nature and the development of science and social economics designed

to conserve and protect life in general. Field trips are used for observation and evaluation of these problems of study.

3 semester hours

**G-30—Geography of the United States and Canada
(Elementary Curriculum)**

This course includes analyses of areas in the western hemisphere which are basic to a development of units of geographic understanding in elementary grades. Source materials, the geographic tools, and techniques necessary for effective teaching are considered, though emphasis is placed on the study of adjustments of man to his environment.

3 semester hours

**G-31—Geography of Europe
(Elementary Curriculum)**

This course supplements the Geography of the United States and Canada. Greater complexity of the natural, economic, and political regions, suggests the desirability of having this course follow G-30. Study is made of the underlying conditions of Europe, Asia, and Africa as a basis for present and recurring problems of their peoples.

3 semester hours

**G-40—Geography of the United States and Canada
(Secondary Curriculum)**

National welfare and progress demand a knowledge of how adjustments are to be made to natural regions, whether physical, climatic, or economic in character. This course aims to show how such adjustments in the United States and Canada may be made through planning based on factual knowledge, rather than on accidental and transitory expedients.

3 semester hours

G-41—Geography of Latin America

A general survey of South America is made, followed by an intensive study of each major geographic region. This regional study gives the student a more complete understanding of the relationship between physical and cultural development of South America and the interdependence of North and South America.

3 semester hours

G-42—Geography of Europe

A general picture of the physical landscape of Europe is given in the first part of the course. The second part deals with an intense regional study of Europe. The economic and political problems are stressed in light of the physical background.

3 semester hours

G-43—Geography of the Pacific Realm

This course deals with the problems of the peoples of the Pacific Basin. The main emphasis is put upon the geography of China, Japan, and Australasia. The economic and political relations of the Orient and Occident are stressed. 3 semester hours

G-44—Climatology and Meteorology

This course is divided into elementary meteorology and climatology. Amateur daily weather forecasting and instrument use form the natural interest in the course. The important classifications of climate are studied, and the student is expected to know one classification completely. Plant and animal responses are studied in light of their climatic environment.

3 semester hours

G-45—Physiography

The course is designed to give the student an appreciation of topographic features and modifying agents of the earth. The major topics discussed are as follows: weathering, wind, ground and running water, ice vulcanism, diastrophism and wave and ocean currents.

3 semester hours

G-46—Conservation of Natural Resources

The course deals with the study of intelligent utilization of soils, forests, grasslands, and minerals as well as the proper utilization of streams, lakes, and wild life for recreational purposes. The idea of a national program in conservation is included in this course.

3 semester hours

G-47—Field Courses

From time to time the department of geography offers field courses to various parts of the country, including Western United States, New England and Maritime Canada, Southern United States, and intensive field work in Pennsylvania. The credit varies from 3 to 6 semester hours, depending upon the area studied and the length of time in the field.

G-48—Commercial and Industrial Geography

This is an intensive course studying the factors controlling agricultural, and industrial relationships. Emphasis is put upon production and utilization of commodities. The development of the city and factors controlling city growth are stressed.

3 semester hours

G-49—Trade and Transportation

The fundamental aspects of trade are studied in detail, and the methods of moving goods from the areas of production to the areas of consumption stressed. Trade centers and trade routes are studied. Commercial and Industrial Geography is prerequisite for this course. 3 semester hours

G-50—Geography of Pennsylvania

This is an extensive course dealing with the physical and cultural development of the state. Geology, climate, soil, and natural vegetation are emphasized where they influence the cultural pattern. Field trips to local points of interest are an integral part of the course. 3 semester hours

G-51—Geographic Influences in American History

American History is interpreted from a geographic viewpoint. The geographic effect upon political, social and economic life of the country is emphasized. 3 semester hours.

**G-61—Economic Geography
(Business Education Curriculum)**

This course combines the principles basic to a classification of climatic types with a study of the variations of natural vegetation, soils, minerals, etc., of these regions. The diverse products of the regions so studied form the background for a consideration of foreign and domestic commerce and the responsibility in the economic planning for world peace. 3 semester hours

HEALTH EDUCATION

The Department of Health and Physical Education provides facilities in archery, badminton, baseball, basketball, football, hiking, hockey, quoits, shuffleboard, soccer, soft ball, swimming, table tennis, tennis, track, volley ball, and water polo. While the college has no liability for physical injury in the athletic program, every effort is made to protect the student from such injury, and adequately equipped hospitals are available in Chambersburg and in Carlisle.

Provision is made for teaching the necessary skills in these athletic activities, and a program of intra-mural contests in a variety of games is maintained. Opportunity is also given to learn the teaching and supervising of these games for children and of acting as an official in refereeing and umpiring athletic contests. The development of these skills is both a personal and professional asset to the student, insuring healthy participation

in physical exercise after graduation and not infrequently providing an additional qualification for the student's teaching service.

A uniform costume for physical education is prescribed for all students. This costume may be obtained after enrollment at the college and must be worn in the gymnasium.

HEd.-1—Health Education I

This course provides for two hours of activity and one hour of class-room procedure throughout the freshman year. In the activity course the student becomes familiar with modern conceptions of physical education and develops skills in team and individual sports with special emphasis upon carry-over values. Hockey, soccer, archery, basketball, swimming and tennis are included in the first semester, also a program of folk and national dances. In the classroom the student becomes familiar with the fundamental health habits, attitudes, and knowledge supporting his daily living.

1 semester hour

HEd.-2—Health Education II

This course is a continuation of Health Education I with the same division of time. In the activity course volley ball, deck tennis, ping pong, shuffle board, baseball, tennis, archery, and swimming are included in the second semester; also a program of social and modern dancing. In the classroom the student will be free to study specific health problems which are of personal interest to him.

1 semester hour

HEd.-3 and 4—Health Education III and IV

These courses are a continuation of 1 and 2.

1 semester hour each

HEd.-5 and 6—Health Education V and VI

These are professional courses.

In physical education the activities suitable for grades one to six are presented, together with the methods of teaching these activities to the boys and girls of these grades. In health education the information necessary for background, the methods of teaching health as an integrated subject in the modern school program, and the health of the teacher himself are studied. Student teaching opportunities are offered.

Physical Activity

Seniors who are not doing student teaching have two hours a week activity. This program includes major sports, swimming, and dancing.

MATHEMATICS

M-11—Curriculum in Arithmetic

The major objectives of this course are to give the student an overview of the curriculum in arithmetic for the elementary grades, and to study present trends in teaching the basic phases of the work in grades one to three, from the standpoint of significance and meaning. 2 semester hours.

M-30—Teaching of Arithmetic

This course is a continuation of Curriculum in Arithmetic with special emphasis on methods of procedures in grades four to eight inclusive. The significance of informational as well as computational phases of the subject is studied. Military applications are included. 3 semester hours

M-40—College Algebra

3 semester hours

M-41—College Trigonometry

3 semester hours

M-42—Analytic Geometry

3 semester hours

These three courses cover the materials usually taught in the courses of College Algebra, Trigonometry, and Analytic Geometry. The following topics are among those included: Radicals, quadratics, ratio and proportion, variation, progressions; graphical representation of algebraic and trigonometric functions and their applications; angles, logarithms; solution of right and oblique triangles; identities; straight line, circle and conic sections, including translation and rotation of axis, etc.

M-43—Calculus I

This course studies differentiation and integration of algebraic functions using derivatives; implicit differentiation of functions; use of differentials, maxima and minima; applications in velocity and acceleration areas, pressure, work, volumes, etc. 3 semester hours

M-44—Calculus II

Continuation of Calculus I, extending the use of derivatives and integrals to trigonometric, logarithmic and exponential functions. 3 semester hours

M-45—Statistics

The purpose of this course is to prepare students to read articles employing statistical terms and to compute statistical measures. It will include a study of measures of central tendency, the normal curve, measures of variability and correlation.

3 semester hours

M-46—College Algebra I

This is a continuation of College Algebra I and will include a study of mathematical induction, variations, progressions, inequalities, complex numbers, theory of equations, partial fractions, permutations, combinations, probabilities and determinants.

3 semester hours

M-47—Synthetic Geometry

This is a first course in college geometry. The method used is the method of synthetic geometry.

3 semester hours

M-48—History of Mathematics

The aim of this course is to acquaint the student with the history of the development of mathematics with special emphasis upon the history of the content usually taught in the elementary and secondary fields.

3 semester hours

M-49—Applied Mathematics

Work is chosen from the following fields: surveying, including use of the level, transit, sextant and plane table; theory and use of the slide rule; shop mathematics, mathematics in the fields of business, social studies, science, and agriculture; application of mathematics in military tactics, air and sea navigation; teaching of mathematics in high school, etc.

3 semester hours

M-50—Spherical Trigonometry and Navigation

This course includes a study of the geometry of the earth including solution of spherical triangles and applications to air and sea navigation; piloting, dead reckoning, radio and celestial navigation.

3 semester hours

SCIENCE

Biology

BS-1 and 2—Biological Science I and II

This course involves the study of the general principles of animal and plant biology together with the concomitant results that spring from the efforts in gaining them. It is given as a basis for further study as well as to acquaint the student specifically with the biology underlying human behavior.

Specifically, the course involves a brief study of cell structure with the series of their combinations, the functions of organs of plants and animals, embryology, a few micro-organisms, and a few general animal and plant groups. Some of the fundamental theories of biology are briefly considered. 6 semester hours

Bi-41—Botany I—Angiosperms

This course emphasizes mainly the morphology. It is presented from the standpoint of the sequence of growth in the life cycle of the plant. A study of the evolution of the various tissues and organs as they occur in the development is made. Physiology is made a consideration in the course. 3 semester hours

Bi-42—Botany II—Plant Phyla

This presents a survey of the plant kingdom by studying typical representatives of the subdivisions of all plant groups. The plan of development is that of noting how the sporophyte part of plants evolves and predominates while at the same time the gametophyte part of the plants degenerates or becomes less conspicuous. 3 semester hours

Bi-43—Zoology I—Invertebrate Zoology

The various phyla of the invertebrate groups are studied. The course is morphological in nature with consideration of the physiology and ecology of the animals studied. 3 semester hours

Bi-44—Zoology II—Vertebrate Zoology

This course is designed to give fairly comprehensive understanding of the vertebrates as a group with emphasis upon physiology. The dogfish shark and frog are studied. 3 semester hours

Bi-45—Ecology

This course attempts to give an understanding of the inter-relationships of plants and their environment. Plants are studied

where they grow. Climate, soil, and topography are fundamental accessory studies in the course. Pre-requisites: Botany I and II.
3 semester hours

Bi-46—Entomology

Anatomy, life histories, distribution, and classification of insects are studied. The economic relationship is emphasized. As far as possible, insects are studied in their living places—streams, fields, woods, etc. Pre-requisite: Zoology I. 3 semester hours

Bi-47—Comparative Anatomy

Amphioxus, the shark and the cat or rabbit are made the central points of study in this work. The various systems are studied with emphasis upon the comparative relationships; physiology is made a factor in the work. Pre-requisites: Zoology I and II.
3 semester hours

Bi-48—Heredity

The basic modern principles of heredity and variation, involving the mechanism necessary for their better understanding, are studied. Eugenics is emphasized. 3 semester hours

Bi-49—Bacteriology

In this course the morphology, physiology, distribution, and taxonomy of bacteria, yeasts, and molds are studied. Special emphasis is placed on pathogenic bacteria and on micro-organisms whose activities are of economic importance, including those which cause fermentations. Pre-requisite—course in biology or equivalent. 3 semester hours

Bi-50—Parasitology

A study is made of the identification, life history, source of infection, symptomatology, and medical treatment of the various protozoa, trematodes, cestodes, and nematodes which parasitize man. Some time is also devoted to bacterial parasites. 3 semester hours

CHEMISTRY

Ch-41 and 42—Inorganic Chemistry I and II

A systematic study is made of the history, occurrence, preparation, properties, metallurgy, and the applications to daily life of the important non-metallic elements and their compounds. Emphasis is placed upon chemical calculations and upon the fundamental principles, laws, and theories of chemical action.

The laboratory work during the second semester is devoted to Qualitative Analysis which is designed to acquaint the student with the theory and practice by which the important metals and acids are separated and identified in complex mixtures, alloys, ores, and minerals. A study is made of ionization, mass action, and other fundamental theories. 8 semester hours

Ch-45 and 46—Quantitative Analysis I and II

This is an introductory course illustrating the fundamental principles of gravimetric, volumetric, and electrolytic methods of analysis. Practice in stoichiometry, careful manipulation of apparatus, and accurate analysis is stressed. 7 semester hours

Ch-47 and 48—Organic Chemistry I and II

An introduction to the study of carbon compounds. Covers the aliphatic and aromatic series with a discussion of the more important derivatives. Processes involved in the more important industrial operations and life processes in plants and animals are stressed. 7 semester hours

Ch-49—Biological Chemistry

This course includes the study of the chemistry of digestion and enzymes, the metabolism of carbohydrates, fats, and proteins, composition of foods, respiration and nutrition. 3 semester hours

Ch-50—Industrial Chemistry

The purpose of this course is to show the applications of chemical principles in various industries. Visits to certain key industries, class discussions, and reports will comprise the course. 3 semester hours

Ch-51—Physical Chemistry

Designed to acquaint the student with the laws and theories that relate to the behavior of gases, liquids, and solids, molecular weight determinations, solutions, atomic structure, thermo-chemistry, chemical equilibrium, and colloids. 3 semester hours

PHYSICS

PS-1 and 2—Physical Science I and II

This makes a survey of the fields of astronomy, geology, physics and chemistry, presenting the organization of each field and as much subject matter as time permits. 6 semester hours

Ph-41—General College Physics I

This course covers mechanics and heat. Exact quantitative relations are stressed, but without the use of calculus. First semester. 4 semester hours

Ph-42—General College Physics II

This course covers the subject of electricity and magnetism, light, sound, and modern physics. 4 semester hours

Ph-43—Mechanics

This is an intermediate course covering the entire field of mechanics. Recitations, problems and laboratory work. Pre-requisite Ph-41—General College Physics. Offered the first semester of alternate years. 3 semester hours

Ph-44—Electricity and Magnetism

Fundamentals of magnetism, magnetic circuits, measurements in magnetism, electrostatics, current electricity, both DC and AC, measurements in electricity, interrelations between magnetism and electricity, etc. are studied. Pre-requisite Ph-42—General College Physics. Offered the second semester of alternate years. 4 semester hours

Note: While courses in mathematics are not required in connection with a major or minor in Physics, it is strongly urged that some mathematics courses be taken. The student should plan for a minimum of 6 semester hours in mathematics, and additional courses will be to his great advantage.

SCIENCE

S-11—Curriculum in Elementary Science

Elementary courses in science should acquaint students with their environment and their significance to their environment. Beginning with familiar facts and phenomena, scientific growth and the nature and importance of science in life need to be taught the students. In succeeding grades the background of preceding grades needs to be enlarged and emphasized.

Sources of information are very necessary and some time is spent on this problem in the course. This course offers a plan of procedure for science teaching in the elementary grades and provides a basis for experience in planning suitable courses for the several grades in the elementary curriculum. 3 semester hours

S-40—Astronomy

A non-mathematical study of all the heavenly bodies, moon, solar system, stars, clusters, and nebulae is made. Familiarity with the planets and the more interesting constellations is developed by field work. No pre-requisite. 3 semester hours.

S-41—Teaching of Pre-flight Aeronautics

This is a professionalized course for prospective teachers of Pre-flight Aeronautics in the secondary schools. 3 semester hours

SOCIAL STUDIES**History****SS-1—History of Civilization**

An orientation course studying and comparing early civilizations that affected our own and surveying the major movements in western culture to the present time, this course attempts to give the student an understanding of present day civilization and his relation to it through a study of its origins and developments. 4 semester hours

SS-11—United States History Before 1865 (Elementary Curriculum)

A survey course in American history designed for elementary teachers. Social, cultural and biographical materials receive special emphasis. 3 semester hours

SS-12—United States History Since 1865 (Elementary Curriculum)

A continuation of SS-11 covering the period from 1865 to the present. The work is professionalized with special reference to the needs of the elementary teacher. 3 semester hours

SS-13—History of Pennsylvania

This course traces the political, economic, social, and cultural developments of Pennsylvania and adjoining regions. It attempts to give an intimate descriptive picture of the life and culture of the people in the successive periods of our history. 2 semester hours

SS-27—History of the United States and Pennsylvania

This is a survey course in political, economic, and social history of the United States, with emphasis upon the place of Pennsylvania in the history of the nation. 3 semester hours

SS-31—Teaching of American History and Government

This course is presented to provide prospective teachers with procedures and materials necessary to acquaint children of intermediate elementary grades with the history and government of our country. 3 semester hours

SS-41—European History I

This is an advanced course in medieval and early modern history stressing the political, economic, or cultural phases as the class may choose. Pre-requisite, History of Civilization. 3 semester hours

SS-42—European History II

A continuation of SS-41, this course surveys European developments to the present time. Pre-requisite, History of Civilization. 3 semester hours

SS-43—Twentieth Century World History

This advanced course deals with recent international relations and with major economic, political and cultural trends and conflicts in the contemporary world. It traces the efforts toward world unity, stressing the development of the United Nations. Pre-requisites, SS-41 and SS-42. 3 semester hours

SS-44—History of the United States I and Pennsylvania

This course for Social Studies majors and minors deals with the culture and development of the American colonies and their transformation into an independent nation. The chief political, economic and cultural trends of the nation to 1865 are studied with emphasis on the development of democracy. 3 semester hours

SS-45—History of the United States II

A continuation of SS-44 dealing with the period from 1865 to the present. The interrelation of economic, political and cultural factors is stressed. Considerable emphasis is placed upon the nation's development since 1918. 3 semester hours

SS-46—History of England

A survey of English history stressing the political, economic and cultural developments which enter most largely into the American heritage and bind the two nations together. Emphasis is placed also on the recent economic, social, imperial and foreign policies of Great Britain. 3 semester hours

SS-47—History of the Far East

The important historical developments and cultural achievement of the Orient are surveyed to provide an understanding of recent events there. The modern relations of eastern Asia with Europe and America are traced, and the results of this impact upon both civilization are studied. 2 semester hours

SS-48—History of Latin America

This course surveys the political, economic, social and cultural development of Latin America. It compares the Latin American pattern of culture with our own, and studies the place of the Latin nations in world affairs. 3 semester hours

SS-49—History of American Diplomacy

A survey of American foreign relations from the Revolutionary War period to the present. Special attention is given to factors determining our foreign policies, influence and propaganda from abroad, the American press and public opinion, economic and other special interest groups. An advanced course for History majors. Pre-requisites, History of the U. S. I and II. 3 semester hours

SS-50—Social and Industrial History of the United States

This advanced course traces the development of various phases of the American economy and studies the interaction of economic and social forces which have created it. One or two phases of our economic history are chosen by the class for special emphasis and study. Pre-requisites, U. S. History I and II. 3 semester hours

SOCIAL SCIENCE**SS-2—Principles of Sociology**

An introductory course which introduces students to fundamental sociological concepts and applies these in a study of some of our most important social institutions.

3 semester hours

SS-3—American Government

The basic principles of the American government and constitution are studied and compared with those of other countries, the machinery and procedure of government described, and some major governmental issues and activities considered. Emphasis is placed upon vital problems such as democracy and efficiency in government, administrative reorganization, tax reform, and local government areas. 3 semester hours

SS-51—Principles of Economics

The relation of the economic organization and its principles to the student as an economic individual, especially as a consumer, is the central theme here. Emphasis is placed on such personal problems as credit buying, market practice, housing, investments, and insurance. 3 semester hours.

SS-52—Contemporary Economic Problems

Continuation of SS-51.

The economic organization and behavior of our society is examined in such fields as money and banking, foreign trade, corporations, labor, agriculture, public utilities, and public finance. Emphasis is placed on the broad social effects of economic conditions today and on economic reforms for the general welfare. Pre-requisite, SS-51. 3 semester hours

SS-53—Industrial Relations

An advanced course which deals with corporations, production and labor, with the emphasis on the relations of labor and capital, and the relation of government to these two forces. Pre-requisite, Principles of Economics. 2 semester hours

SS-54—Comparative Government

A comparative study of the principles, forms and functions of fascist, communist and democratic governments. Such subjects as bureaucracy, dictatorship, constitutional order, federalism, legislative representation, political parties and electoral systems are examined in this functional and comparative fashion. Pre-requisite, American Government. 3 semester hours

SS-55—Municipal Government

This course deals with local government, especially the principles and problems of the government of our urban areas. Pre-requisite, SS-3. 3 semester hours

SS-56—Social Problems

A sequel to SS-2, this course is concerned with the more persistent problems which grow out of social change and mal-adjustment. Among the specific problems studied are family conflict, problems of population shift, increase and composition, race and national conflict, industrial conflict, poverty, crime and delinquency. 3 semester hours

SS-57—Ed-8 Ethics

While a study of the fundamental theories of human conduct, including the nature of man, his relation to God, to society and to himself, will be considered, special emphasis will be laid upon the ethical practices peculiar to the teaching profession.

3 semester hours

SS-61—Economics I (Business Curriculum)

This course is equivalent to SS-51.

3 semester hours

SS-62—Economics II (Business Curriculum)

A continuation of SS-61, this course is equivalent to SS-52.
Pre-requisite, SS-61.

3 semester hours

SOCIAL PROGRAM

GOVERNMENT

The Student Cooperative Association

This body determines the amount of the activity fee and through its constitution delegates to the President's Council the determination of the activities' budget and its administration.

The President's Council

This body is composed of seventeen student members and four advisory faculty members, all of whom hold membership in the council ex-officio, by reason of their leadership of specific activities of the college. The President of the college is the President of the Council. It administers the activities' funds through a budget system by which each of the activities of the college is allocated its share of the money available for this purpose. The Council elects a student treasurer and checks against the activities fund must be signed by the President and the Treasurer of the Council.

This body controls and directs the student activities of the college under the authority of the Student Cooperative Association. The Council is responsible for the operation of the cafeteria under the sponsorship of the dietitian and of the retail store under the sponsorship of the business manager. The cafeteria serves primarily the day students of the college although all students and faculty are free to avail themselves of its services. The retail store handles the purchasing of all textbooks, college stationery, jewelry, individual athletic equipment, and other items required by the several courses of study and extra-curricular activities of the college.

Student Government Organizations

Four student government organizations exist at this college: one for day student women, one for boarding student women, one for day student men and one for boarding student men. Each organization has its officers and is responsible to the Dean of Men or Dean of Women respectively and to the President's Council for the social life of the college, including such behavior problems as arise from time to time.

MUSIC

Women's Choral Club

The Women's Choral Club is an organization of women selected by examination. Any student is eligible if she meets the requirements, but the total number must not exceed fifty members. This club appears in concert during the year and aids in other musical performances of the college.

Men's Glee Club

Admission to this club is by examination in the ability to sight-sing and to read music written in four parts. The total number of men in this organization is determined by the director, proper balance of the different parts being the deciding factor. The club gives a concert each year, followed by a tour. It is necessary for all members of this organization to enroll for at least two semesters.

College Band

This group plays for all the home football games and at least two away from the campus. The band also drills, forming letters of all the visiting college. During the first semester this group is primarily a marching band, but during the second semester it is a concert band, giving at least one concert at the college. The band also plays for numerous occasions during the college year. Admission is by examination in the techniques of the instrument and the ability to read music reasonably well. Bring your instrument to college and apply for admission if interested. The college owns many instruments which may be used by deserving students.

College Orchestra

This club is open to all students who play an instrument. Admission is by examination in the proper techniques of the instrument and the ability to read music. The group plays for all Chapel exercises, many college functions, and usually gives one complete concert. Students are urged to bring their instruments and apply to the director of music for admission to this group. Certain orchestral instruments owned by the college may be used by students.

There are other small groups, both instrumental and vocal; these include the string quartette; the male quartette; the women's trio; the brass quartette; the string quintette, and the woodwind quintette. Other groups may be arranged for as required.

ATHLETICS

Ample provision is made for participation by every student, men and women, in one or more forms of activities, and such participation is required of each student each semester.

In addition to out-of-door exercises and the regular training in the gymnasium, the college encourages the following athletic sports for women: archery, hiking, hockey, soccer, basketball, volley ball, baseball, tennis, and swimming.

Intercollegiate competition for men is provided in football, basketball, baseball, track, and tennis, and intramural athletic activities are scheduled in the following sports: basketball, football passing, foul shooting, golf, handball, horseshoes, quoits, shuffleboard, soccer, softball, swimming, table tennis, tennis, volley ball, and water polo.

Women's Athletic Association

Membership in this organization is earned by a point system in major and minor sports, the purpose being to encourage participation, cooperation, good sportsmanship, and to offer opportunities in leadership training to the women of this college. W.A.A. promotes and participates in Sports Days with neighboring colleges, holds a formal dance, provides special programs in swimming, and dancing for May Day, Homecoming, Alumni Day, etc.

Men's Athletic Association

All men students interested in athletics are members of this association. The association approves proposed intercollegiate agreements, contracts, and schedules, determines the awarding of insignia, advises as to the athletic budget, determines the eligibility of students for athletic competitions, administers the program of intra-mural sport, promotes interest in and attendance at athletic contests by students and the community, and exercises such other powers and duties as may be delegated by the Athletic Council.

The Athletic Council

The Athletic Council consists of the athletic adviser, the director of athletics for women, the director of athletics for men, the business manager, and the officers of the two athletic associations. The President of the college is the chairman of the council. The council determines the athletic policy of the college and directs the budgeting of finances for the support of athletics.

DRAMATICS

The Masquers

The Masquers is an organization designed for students interested in dramatics. Members are given opportunity not only to take acting parts, but also to direct plays, and to experiment with lighting, make-up, and staging. In 1947-48 the Masquers presented five major productions as well as one-act plays at the regular weekly meetings of the organization. Membership is limited and determined by competitive try-outs.

STUDENT PUBLICATIONS

Campus Reflector

The college news publication appears semi-monthly during the college year and reports news of the student body and faculty. Its purpose is multifold; it aims to provide activity for students whose interest lies in the direction of amateur journalism; it also serves as a forum where controversial subjects may be discussed; it stimulates and maintains student morale; it is especially interested in all activities of creative quality. For the past three years the Reflector has won a high rating in the Columbia Scholastic Press Association contest, achieving the medalist rating in 1947.

The Cumberland

The Cumberland is the annual yearbook edited and published by the senior class and paid for by the Student Cooperative Association. Every registered full-time student receives a copy of this yearbook which represents in word and picture the spirit of the college. Its form varies from year to year.

RELIGIOUS ACTIVITIES

General religious influences are thrown around the student. One chapel period each week is a devotional period including Scripture reading, hymn singing, and prayer.

The Campus Christian Association

This association is open to men and women and to day and boarding students alike, is undenominational in character and assumes the leadership of religious activity in the college. This Association provides a religious service every Sunday

evening at 6 o'clock which closes in time for students to attend evening church worship. All students are urged to affiliate themselves with the church of their choice, engage in the activity of the church, and attend its services on Sunday.

The Bible Training Class

This class, under competent leadership, is held weekly and provides opportunity for Bible study and group discussion and the development of a sound basis of Christian ethics for Christian living.

CLUBS

Archery Club

This is a new organization sponsored by the W. A. A. but including both men and women. Membership is limited to thirty, and prospects try out before a group of judges. Entrance requirements were set up by charter members. Shippensburg is a member of the National Archery Association. Club members conduct meets with neighboring colleges, participate in telegraphic meets, and so stimulate better performance in this sport which is so rapidly gaining popularity all over the country.

Art Association

As an extra-curricular organization of the college, this club is maintained for the benefit of those students who are interested in some phase of art activity. It has for its objectives the growth of art appreciation, the development of talent beyond that which the classroom offers, and participation in many college-sponsored activities, such as decorating for college dances and entertainments, painting stage scenery for dramatic productions, designing posters, presenting art fairs and exhibits, and visiting New York and other art centers to view important art collections.

The club meets weekly on Tuesday afternoons to discuss the work of the various committees which function within the association. New projects and activities are considered at each meeting, and past work is criticized and judged. The faculty sponsor endeavors to maintain a spirit of cooperation among the various groups within the organization in order to bring the full aid of the club to any current project or activity for the benefit of the club itself or any other department of the college.

The Business Education Club

This is one of the leading clubs on the Campus, and is open to all students in the Business Education Department. Its objectives are to encourage scholarship, to make contact with leaders

in the field of commerce, to sponsor social activities and to plan an annual field trip to New York City for seniors to visit representative retail establishments, high schools, museums, theatres, and other places of interest.

Regular programs featuring speakers, films, and demonstrations are sponsored. The social program consists of teas, parties, speakers of prominence in the business world, theater parties, and picnics.

English Club

The membership of the club is made up of students interested in the field of English. The programs are concerned with poetry, short story, novel, drama, and journalism. Each year the club attends at least one professional theatrical production, and when possible avails itself of opportunities to hear and meet literary personages.

French Club

This extra-curricular organization of students interested in French meets weekly and present a variety of programs, usually in French.

Future Teachers of America

The Future Teachers of America is an organization that gives the student an opportunity for active participation in both state and national associations with which they will be associated during their professional careers. Monthly professional and social meetings provide an opportunity to develop abilities in professional and civic leadership. Membership is open to all students.

Gamma Delta Gamma

The debating club consists of students interested in debating. All students are eligible to membership. During the first semester one hour each week is devoted to debate practice, study of the intercollegiate debate question, and preparation for a debate tournament in December, in which the teams have been participating each year. In the second semester the teams engage in about forty intercollegiate debates, some at home and some on trips into neighboring states.

The Intercollegiate Conference on Government

This group consists of students who participate in three-day sessions of the Intercollegiate Conference in Harrisburg late in April. Students from about thirty Pennsylvania colleges and universities participate in the work of a model governmental

body, such as a legislature, constitutional convention, or a national party convention, thus learning by doing. During the second semester the student group meets one hour weekly in preparation for active part in the Harrisburg conference.

International Relations Club

A group of students is organized under the auspices of the Carnegie Endowment for International Peace for the study and discussion of international affairs. Club members make addresses and conduct forums on world affairs in neighboring high schools. Delegates are sent to the Eastern States' Regional Conference. Visiting speakers are brought to the campus for a weekend International Relations Conference each spring. Regular weekly meetings, Tuesday 4:15 to 5:15.

Mathematics Club

The Mathematics Club aims to promote a greater interest in mathematics among its members and in the college. The work of the club includes a study of important phases of the history of mathematics, the social significance of the subjects, mathematical recreations, and other activities of a mathematical nature. The club is open to all students interested in mathematics.

Kappa Delta Pi

The Epsilon Epsilon Chapter of Kappa Delta Pi was installed on May 25, 1941. Kappa Delta Pi is a national honor society in education and was formed to encourage high intellectual standards and to recognize outstanding contributions to education. To be eligible for membership, high scholarship and membership in the junior class must have been achieved.

Phi Sigma Pi

This is a national honor fraternity introduced at Shippensburg in 1931. Membership may be gained by students who have been in residence a year or more and who are able to meet the scholastic, social, and citizenship requirements.

Phi Sigma Chi

This is a club made up of men who wish to be of outstanding service to the college. The club limits its members to thirty-six. In order to become a member of this organization it is necessary to maintain a scholastic average of C and to serve the college faithfully and well in at least one extra curricular activity each semester. Club projects are determined by the officers and two faculty advisers.

Pi Omega Pi

The Beta Lambda Chapter of Pi Omega Pi, a national honor scholastic fraternity in Business Education, was installed on March 18, 1944. Its purposes are to encourage, promote, extend, and create interest in high scholarship in the field of commerce; to aid civic betterment; to encourage and foster high ethical standards in business and professional life; and to teach the ideal of service as the basis of all worthy enterprise. Of these scholarship is considered of primary importance.

Eligibility for membership includes an expressed intention to teach in the field of commerce and the completion, with a superior rating, of fifteen semester hours in commerce and education.

The Round Table

Membership is open to any student interested in discussing books and in gaining practical library experience. Each member works one hour a week in the library. Meetings are held once a month for social purposes or for book reviews.

Spanish Club

This organization of students meets weekly and presents a variety of programs, usually in Spanish.

Swimming Club

This club is sponsored by the W. A. A. for women who wish instruction in advanced swimming. The club also sponsors sport days, demonstrations, and recreational meets with neighboring colleges. Courses in senior lifesaving are given and certificates awarded.

GENERAL ALUMNI ASSOCIATION

President	WILLIAM BARBOUR, '26 and '30 Shippensburg, Pa.
Immediate Past President	MARK BURKHART, '23 Carlisle, Pa.
First Vice President	ROBERT BEARD, '38 Chambersburg, Pa.
Second Vice President	JAMES A. KELL, '10 Greensburg, Pa.
Secretary	MYRA ESH, '26, Shippensburg, Pa.
Treasurer	ERMA K. ROLAR, '18, Shippensburg, Pa.

*The above officers of the Association are ex-officio
members of the Executive Committee*

EXECUTIVE COMMITTEE

H. FRANK HARE, '17	Phoenixville, Pa.
G. W. LEFEVER, '17	Gettysburg, Pa.
WINIFRED MILLER KITCHEN, '20	Harrisburg, Pa.

Term Expires Alumni Day 1948

PAUL E. SHULL, '23 and '32	Waynesboro, Pa.
JESSIE S. HEIGES, '91	Collegeville, Pa.
PAUL S. LEHMAN, '21	Lewistown Pa.

Term Expires Alumni Day 1949

RALPH SWAN, '31	New Bloomfield, Pa.
FRANK R. MARKLEY, '12	Swarthmore, Pa.
MICHAEL J. RYAN, '38.....	Washington, D. C.

Term Expires Alumni Day 1950

ALUMNI COUNCIL

Appointed by the Executive Committee of the General Alumni Association

High School	County	Alumnus
Altoona	Blair	Julia Shultz
Bedford	Bedford	Armstrong Farber Lester E. Croft
Belleville	Mifflin	Norman Calhoun
Biglerville	Adams	L. V. Stock
Burnham	Mifflin	Mrs. Carl Hambricht Louis Illiof
Camp Hill	Cumberland	Mrs. Nina R. Hamilton
Carlisle	Cumberland	Mary Yeager
Chambersburg	Franklin	Harold Crouse
Cheltenham Twp.	Montgomery	John Harris
Darby	Delaware	John Neely
Dillsburg	York	Mrs. John Arnsberger
Dry Run	Franklin	Wm. Shearer
East Berlin	Adams	Elmer M. Gruver
Elizabethville	Dauphin	Mrs. Cora Eby Geiss
Fairfield	Adams	Mary L. Scott
Fallsington	Bucks	H. C. Neagley
Fannettsburg, Metal Township	Franklin	Norman Bushey
Gettysburg	Adams	Charles Raffensberger G. W. Lefever
Glen Nor	Delaware	Mrs. Gail A. Gorsuch McCamphill
Granville Township	Mifflin	J. Lindsay Snider
Greencastle	Franklin	Wm. Conrad
Hagerstown, Md.		Robert F. Leshar
Halifax	Dauphin	F. M. Barrick
Harrisburg	Dauphin	Alexander McCune
William Penn	Dauphin	Guy Shoemaker
John Harris	Dauphin	A. Sterling King
Hershey	Dauphin	Tyrell Robinson
Highspire	Dauphin	Griff Jones, Jr.
Hollidaysburg	Blair	Mrs. Frank M. Magill
Huntingdon	Huntingdon	Everett McVicker
Hyndman	Bedford	
Johnstown	Cambria	Jerry F. Trostle
Landisburg	Perry	Monroe S. E. Gobrecht
Lansdowne	Delaware	Roy Kraber
Lemaster	Franklin	Jacob Brake
Lemoine	Cumberland	Pearl Green
Lewistown	Mifflin	Calder Geedy Samuel Shearer
Lower Merion	Montgomery	Harold Kline
Lykens	Dauphin	C. R. Coyle
Lower Paxton	Dauphin	Henry Rupp

High School	County	Alumnus
McClure	Snyder	W. Michael Weader
McConnellsburg	Fulton	Harold Welsh
		Claude Mellott
Martinsburg	Blair	William Sabo
Mechanicsburg	Cumberland	Maclay Kelly
Mercersburg	Franklin	Mrs. Glenn Garnes
Middletown	Dauphin	S. A. Johnston
Mifflintown	Juniata	Myra Rodgers
Millersburg	Dauphin	Gertrude Shuler
Milroy	Mifflin	Mrs. J. Lindsay Snider
Mount Union	Huntingdon	Lola Pheasant Weyant
		Ralph Swan
New Bloomfield	Perry	Walter S. Bailets
New Cumberland	Cumberland	Walter Cressler
Newport	Perry	Alexander Kassay
Newtown	Bucks	C. E. Hassler
Newville	Cumberland	
		Adam Hoover
Penbrook	Dauphin	Henry J. Stoudt
Petersburg	Huntingdon	Mrs. E. L. Beaver
Port Royal	Juniata	
		Roger C. Mowrey
Quincy	Franklin	
		Homer Dean
Reedsville	Mifflin	Mildred G. Beegle
Roaring Spring	Blair	Hazel Angle
Robertsdale	Huntingdon	
		Mrs. Louise Cornelius
Salttilo	Huntingdon	Rose McCahan
Saxton Liberty	Bedford	Robert Maclay
Scotland Orphans School	Franklin	Helen M. Hefner
Sharon Hill	Delaware	C. R. Eurich
Shippensburg	Cumberland	Mark Sleichter
Steelton	Dauphin	John Rebuck
		Evelyn Lamaster Shatzer
St. Thomas	Franklin	Russell Roddy
Susquehanna Township, Progress	Dauphin	John Coover
Swatara Township, Oberlin	Dauphin	
		William C. Nenninger
Twin Rocks	Cambria	
		Gordon Charlton
Warfordsburg	Fulton	Walter Lohman
Washington Twp., Waynesboro	Franklin	Glenn Lehman
Waynesboro	Franklin	Joseph H. Dodd
Wiconisco	Dauphin	Clayton C. Vogel
Williamstown	Dauphin	
		James Gibboney
Yeagertown	Mifflin	George Kauffman
York	York	Benjamin Nispel
		Anna Mary Melhorne
		Roy Starry
York Springs	Adams	

LABORATORY SCHOOLS

Campus Schools

Kindergarten	36	
Grade I	27	
Grade II	25	
Grade III	22	
Grade IV	25	
Grade V	20	
Grade VI	23	
Total	178	

SHIPPENSBURG PUBLIC SCHOOLS

Grade Schools

Grade I	66	
Grade II	74	
Grade III	64	
Grade IV	65	
Grade V	76	
Grade VI	66	
Total	411	

West End School

Grade I	18	
Grade II	17	
Grade III	17	
Grade IV	16	
Total	68	

Junior High School

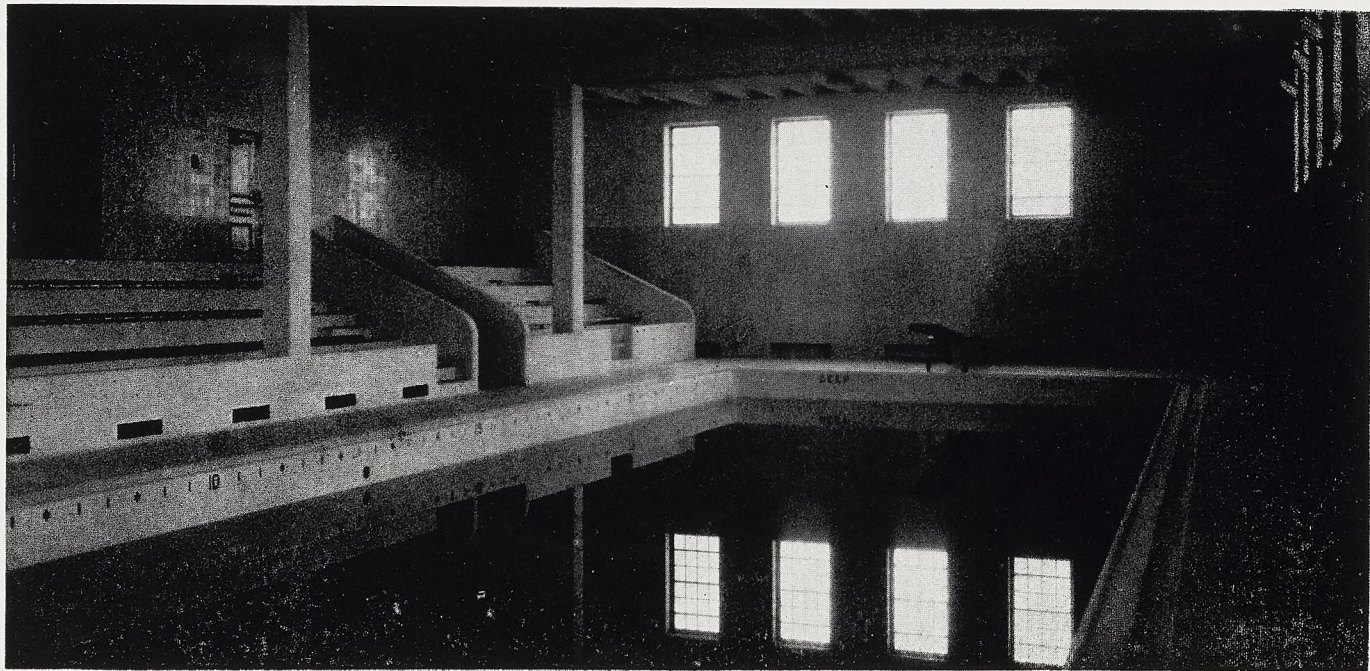
Grade VII	94	
Grade VIII	76	
Grade IX	133	
Total	303	

Senior High School

Grade X	136	
Grade XI	100	
Grade XII	93	
Total	329	
Grand Total, Laboratory Schools	1289	

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SWIMMING POOL, ALUMNI GYMNASIUM