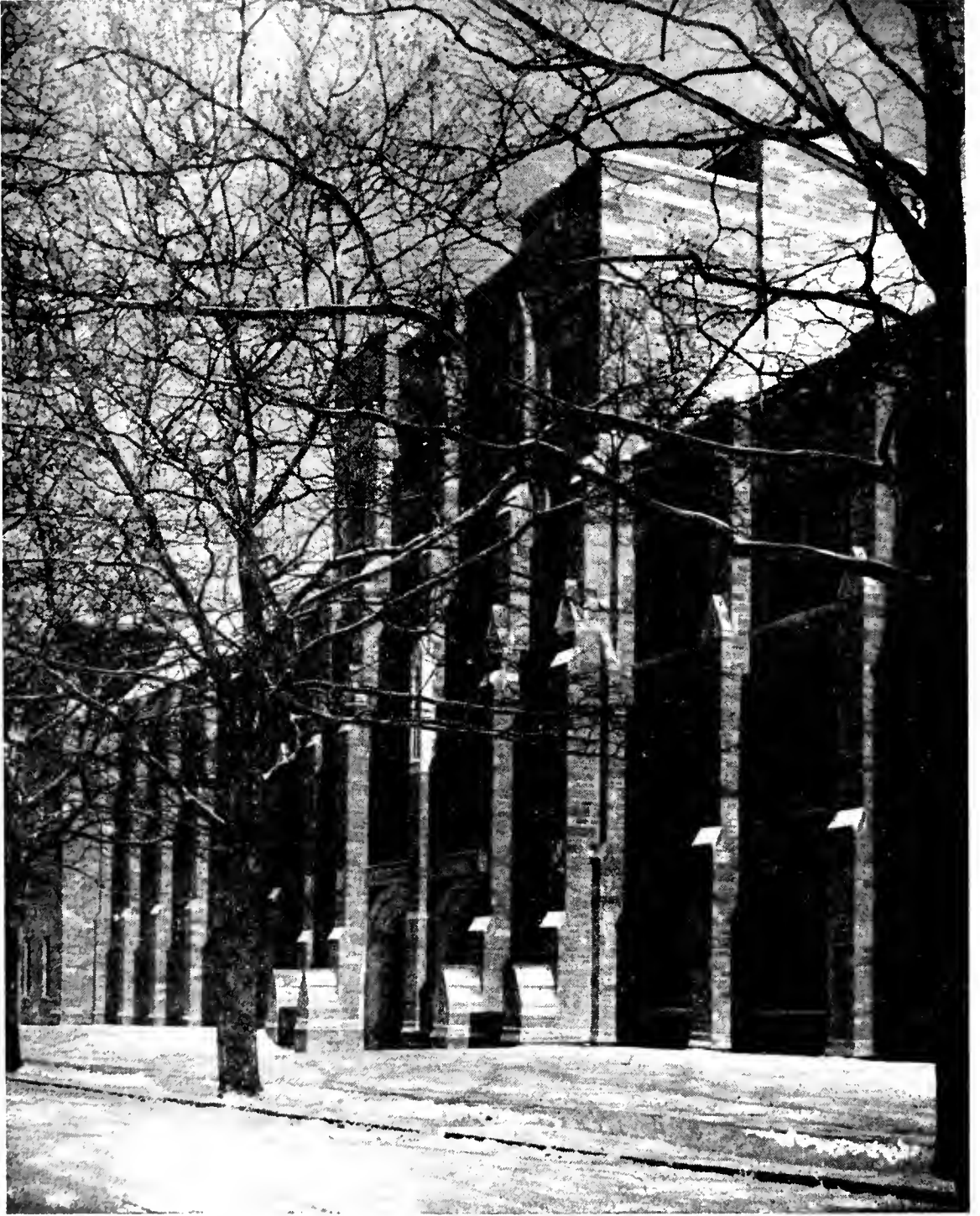


State Teachers College Bulletin



Catalogue Number
1955-1956 Sessions

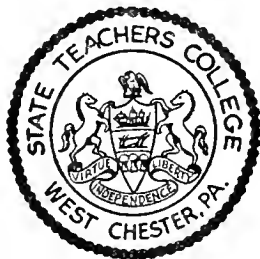
West Chester, Pennsylvania



ANDERSON HALL

STATE TEACHERS COLLEGE BULLETIN

WEST CHESTER, PENNSYLVANIA



1955-1956 Sessions
CATALOGUE NUMBER

STATE TEACHERS COLLEGE BULLETIN

Vol. LXXXIII

March, 1955

No. 2

WEST CHESTER, PENNSYLVANIA

WEST CHESTER STATE TEACHERS COLLEGE
IS FULLY ACCREDITED BY THE MIDDLE
STATES ASSOCIATION OF COLLEGES AND
SECONDARY SCHOOLS AND THE NATIONAL
COUNCIL FOR ACCREDITATION OF TEACHER
EDUCATION

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TABLE OF CONTENTS

	PAGE
Correspondence and Communications -----	5
College Calendar -----	7
Board of Trustees -----	8
Administrative Officers -----	9
Faculty -----	10
Staffs—Secretarial, Business, Health Service, Maintenance -----	19
Cooperating Training Teachers and Centers -----	21
General Information—History, Location, Grounds and Buildings -----	23
The Purpose and Objectives of the State Teachers College at West Chester -----	28
College Community Organization and Administration -----	30
Admission to the College -----	41
Information for Veterans -----	46
Selective Service Information -----	46
Student Life -----	46
Extra-Curricular Activities -----	49
Publications -----	50
Scholarships -----	51
Loans -----	53
Student Help Employment -----	54
Expenses -----	55
Curricula Offered at West Chester -----	64
Certification of Teachers -----	87
Description of Courses by Departments -----	90
Summer Sessions -----	146
Extension Work -----	147
College Courses for Teachers -----	148
Enrollment -----	149
Index -----	151
Registration Blank -----	153
Campus Map -----	155

CORRESPONDENCE AND COMMUNICATIONS

Listed below are the officers to whom inquiries should be directed. In each case, the post office address is: State Teachers College, West Chester, Pa.; telephone: West Chester 1360.

DR. L. FORREST FREE, Dean of Instruction—

Certification requirements for teaching

Courses and curricula

Graduation requirements

Selective Service information

Transcripts of student record

Veteran's affairs

DR. B. PAUL ROSS, Registrar and Director of Admissions—

Applications and Admissions

Catalogues and other publications

Recruiting program

MR. E. E. SHAEFER, Bursar—

Fees and expenses

MR. EMIL H. MESSIKOMER, Director of Personnel—

Scholarships and loans

Work opportunities for students

DR. EARL F. SYKES, Director of Student Teaching and Placement—

Placement Service

MRS. WEBSTER C. HERZOG, General Secretary of the Alumni Association

CALENDAR																															
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COLLEGE CALENDAR - 1955-1956
The Summer Sessions, 1955**Pre-Session**

Registration: 8:30-11:30 A.M.-----Monday, June 6
 Classes begin 1:30 P.M.-----Monday, June 6
 Classes end -----Friday, June 24

Regular Session

Registration: 8:30-11:30; 1:30-3:30-----Monday, June 27
 Classes begin-----Tuesday, June 28
 Classes end-----Friday, August 5

Post-Session

Registration: 8:30-11:30 A.M.-----Monday, August 8
 Classes begin 1:30 P.M.-----Monday, August 8
 Classes end-----Friday, August 26

The Academic Year, 1955-1956**The First Semester**

Registration of Freshmen and Seniors-----Monday, Sept. 12
 Registration of Sophomores and Juniors----Tuesday, Sept. 13
 Classes begin at 8:00 A.M.-----Wednesday, Sept. 14
 Thanksgiving Recess begins at the
 close of classes-----Tuesday, Nov. 22
 Thanksgiving Recess ends at 8:00 A.M.----Monday, Nov. 28
 Christmas Recess begins at noon-----Wednesday, Dec. 14
 Christmas Recess ends at 8:00 A.M.-----Tuesday, Jan. 3
 First Semester ends at the close of classes--Wednesday, Jan. 25

The Second Semester

Registration -----Monday, Jan. 30
 Classes begin at 8:00 A.M.-----Tuesday, Jan. 31
 Easter Recess begins at the close of classes--Tuesday, March 27
 Easter Recess ends at 8:00 A.M.-----Tuesday, April 3
 Alumni Day-----Saturday, May 26
 Baccalaureate Services-----Sunday, May 27
 Commencement-----Monday, May 28

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF PUBLIC INSTRUCTION**

FRANCIS B. HAAS.....Superintendent of Public Instruction
HENRY KLONOWER.....Director, Teacher Education and Certification
JOHN K. TRAYER.....Assistant Director
STANLEY A. WENGERT.....Assistant Director

STATE COUNCIL OF EDUCATION

FRANCIS B. HAAS, President and Chief Executive Officer
CARL E. SEIFERT, Secretary

MR. W. FLOYD CLINGER.....Warren
MRS. BESS D. MEEHAN.....Brush Valley
DR. JAMES H. DUCKREY.....Cheyney
MR. ROBERT M. CARSON.....Greensburg
MR. J. COLLINS McSPARRAN.....Harrisburg
DR. EUGENE S. FARLEY.....Wilkes-Barre
DR. PAUL R. ANDERSON.....Pittsburgh
MISS CATHLEEN M. CHAMPLIN.....Philadelphia
MRS. A. BARBARA WEATHERLY.....Philadelphia

COLLEGE BOARD OF TRUSTEES

RAYMOND S. SHORTLIDGE, President.....Paoli
JOHN L. JOHNSON, Vice-President.....West Chester
MRS. FRANCES PRICE DONAHOO, Secretary-Treasurer.....Chester
FRANK F. TRUSCOTT.....Newtown Square
MRS. IRMA P. KNAUER.....Pottstown
THOMAS A. RILEY.....Westtown
ABRAM M. KULP.....Norristown
SAMUEL P. CLOUD.....West Chester
MRS. ADA L. BUCKMAN.....Langhorne

ADMINISTRATIVE OFFICERS

CHARLES S. SWOPE	President
L. FORREST FREE	Dean of Instruction
B. PAUL ROSS	Registrar and Director of Admissions
EARL F. SYKES	Director of Student Teaching and Placement
MARK M. EVANS	Director of Elementary Education and Principal of the Demonstration School
M. JANE CATON	Dean of Women
BERNICE H. BERNATZ	Assistant Dean of Women
W. GLENN KILLINGER	Dean of Men and Head Coach of Football and Baseball
WILLIAM R. BENNER	Assistant Dean of Men and Faculty Manager of Athletics
EMIL H. MESSIKOMER	Director of Personnel and Head Coach of Basketball
EVERETT E. SHAEFER	Bursar
THOMAS A. PITT	Steward and Superintendent of Buildings and Grounds

FACULTY *

1954-55

- CHARLES S. SWOPE *President*
West Chester State Teachers College; Dickinson College, B.A.;
University of Pennsylvania, A.M.; Dickinson College, Pd.D.
- ROBERT F. ANDERSON *Department of Mathematics, Emeritus*
West Chester State Teachers College;
Villanova University, B.A., M.A., Sc.D.
- GRACE D. MCCARTHY *Department of English, Emeritus*
University of Michigan, B.A.; University of Chicago, M.A.
- ANNE M. GOSHEN *Department of Education, Emeritus*
West Chester State Teachers College; University of Michigan, B.L.;
University of Pennsylvania, A.M.
- GERTRUDE K. SCHMIDT *Department of Music, Emeritus*
Institute of Musical Art, New York; Trenton State Normal School;
New York University, B.S. Mus., M.A.
- CHARLES W. HEATHCOTE *Department of Social Studies, Emeritus*
Gettysburg College, B.A.; University of Pennsylvania, A.M.;
George Washington University, Ph.D.
- MARION FARNHAM *Department of Art, Emeritus*
Massachusetts School of Art; University of Puerto Rico, B.A.;
Boston University, M.A.
- WINFIELD W. MENHENNETT *Dean of Instruction, Emeritus*
East Stroudsburg State Teachers College;
New York University, B.S., M.A.
- S. ELIZABETH TYSON *Department of English and Foreign Languages*
West Chester State Teachers College;
New York University, B.S., M.A.
- EDWARD ZIMMER, JR. *Department of Music*
Institute of Musical Art, New York;
New York University, B.S., M.A.
- HAZEL L. LAMBORN *Department of Art*
West Chester State Teachers College;
Pennsylvania Museum and School of Industrial Arts;
Columbia University, B.S., M.A.
- THELMA J. GREENWOOD *Department of Science*
West Chester State Teachers College;
University of Pennsylvania, B.S.;
New York University, M.A.
- **DOROTHY M. SCHMUCKER *Department of Science*
West Chester State Teachers College; Wellesley College, B.A.;
New York University, M.A.

* With the exception of the President, names are arranged in order of appointment.

** Leave of absence.

- FLO GEYER *Department of English and Foreign Languages*
Shippensburg State Teachers College; Dickinson College, A.B.;
Temple University, M.Ed. in English.
- MARY ELIZABETH CLARK *Department of English
and Foreign Languages*
Wellesley College, A.B.; Columbia University, A.M.
- EARLE C. WATERS *Department of Physical Education,
Head Coach of Soccer and Golf*
Arnold College; Syracuse University, B.S.;
Temple University, M.Ed.
- DOROTHY RAMSEY *Department of English and Foreign Languages*
University of Pennsylvania, B.S., A.M.
- *ANNE L. SMITH *Demonstration School*
Galloway College, B.A.; Northwestern University, M.A.
- MYRA I. WADE *Department of Health and Physical Education*
Oberlin College, B.A.; Columbia University, M.A.
- DORA F. WOLFANGLE *Demonstration School*
West Chester State Teachers College;
Columbia University, B.S., M.A.
- FAYE A. COLLICOTT *Assistant Librarian*
Simpson College, B.A.;
Columbia University, B.S. in Library Science, M.A.
- HILLARY H. PARRY *Department of Music*
David Mannes Conservatory, New York; Columbia University.
- **ANNE M. SCHAUB *Department of Health and Physical Education*
Columbia University, B.S., M.A.
- *FERN BARRER *Department of English and Foreign Languages*
Knox College, A.B.; University of Michigan, M.A.
- MURIEL LEACH *Department of Health and Physical Education*
Sargent School; Columbia University, B.S., M.A.
- LUCILE MEREDITH *Demonstration School*
Women's College of the University of North Carolina, B.A.;
Columbia University, M.A.
- LAURA J. WILSON *Demonstration School*
University of Pennsylvania, B.S., A.M.
- W. GLENN KILLINGER
Dean of Men, Head Coach of Football and Baseball
Pennsylvania State University, B.S.; Columbia University, M.A.;
Gettysburg College, Sc.D.

* Leave of absence, first semester.

** Leave of absence, second semester.

- S. POWELL MIDDLETON *Department of Music*
West Chester State Teachers College, B.S.;
Duquesne University, M.A.
- GEORGE R. CRESSMAN *Head of the Department of Education*
Pennsylvania State University, B.S.;
University of Pennsylvania, A.M., Ph.D.
- ARTHUR E. JONES *Department of Music*
New York University, B.S.Mus., M.A.
- LLOYD C. MITCHELL *Head of the Department of Music*
Morningside College, Sioux City, Iowa;
Peabody Conservatory of Music, B.Mus., M.Mus.
Pennsylvania State University, Ed.D.
- THOMAS J. S. HEIM *Department of Social Studies*
Bucknell University, B.S., M.A.; University of Pittsburgh, Ed.D.
- LAWRENCE GINTER *Department of Music*
West Chester State Teachers College;
New York University, B.S.Mus., M.A.
- KENNETH C. SLAGLE *Head of the Department of English and
Foreign Languages*
Mount Union College, B.A.;
University of Pennsylvania, A.M., Ph.D.
- EARL F. SYKES *Director of Student Teaching and Placement,
Department of Education*
Montana University, B.A., M.A.; Columbia University, Ed.D.
- WILLIAM BENNER *Assistant Dean of Men and
Faculty Manager of Athletics*
West Chester State Teachers College, B.S.;
Temple University, M.A.
- WILLARD J. TREZISE *Department of Science, Coach of Wrestling*
Lebanon Valley College, B.S.; Johns Hopkins University, Ph.D.
- ROBERT B. GORDON *Head of the Department of Science*
Ohio State University, B.Sc., M.Sc., Ph.D.
- WILLIAM F. VOLLBRECHT *Department of Social Studies*
Northwestern University, B.A., B.S.; Columbia University, M.A.;
University of Pennsylvania, Ph.D.
- KENNETH BRADDOCK-ROGERS *Department of Science*
Haverford College, B.S.; University of Pennsylvania, M.S., Ph.D.
- JAMES ANDES *Head of the Department of Social Studies*
University of Pennsylvania, B.S., Ph.D.
- HALE C. PICKETT *Head of the Department of Mathematics*
Indiana State Normal School, B.Ph. in Ed.;
Indiana University, B.A.; Columbia University, M.A., Ph.D.

- NELLIE M. ASHENFELTER *Department of Music*
Philadelphia Conservatory of Music;
New York University, B.S.; Temple University, M.Ed.
- ALEXANDER ANTONOWICH *Department of Music*
Institute of Musical Art; Juilliard School of Music, B.S.;
Columbia University, M.A., Ed.D.
- JAMES J. WRIGHT *Department of Music*
West Chester State Teachers College, B.S. in Music Education;
Temple University, M.Ed.; Eastman School of Music, Ph.D.
- POWELL S. THOMAS *Department of English and
Foreign Languages*
Gettysburg College, B.A.; University of Pennsylvania, A.M.
- JOSEPH H. DAVISON *Supervisor, Secondary Student Teaching
Department of Education*
Ohio State University, B.S., M.A.
- RUSSELL L. STURZEBECKER
Head of the Department of Health and Physical Education
West Chester State Teachers College, B.S.;
Temple University, M.Ed., Ed.D.
- ROBERT CARL *Department of Music*
Johns Hopkins University, B.S.;
Peabody Conservatory, B.Mus., M.Mus.
- THOMAS E. BERRY *Department of English and Foreign Languages*
University of Pennsylvania, A.B., A.M.;
University of Pittsburgh, Ph.D.
- PAUL E. CARSON *Department of Music*
Central Missouri State College, B.S.;
Carnegie Institute of Technology, M.F.A.
- JOHN W. CLOKEY *Department of English and Foreign Languages,
Head Coach of Track*
West Chester State Teachers College, B.S.;
Temple University, M.Ed.
- PAUL M. CUNCANNON *Department of Social Studies*
Swarthmore College, B.A.; Princeton University, M.A., Ph.D.
- ARNOLD FLETCHER *Department of Music*
Temple University, B.S., M.Ed.
- MIRIAM S. GOTTLIEB *Department of Music*
Juilliard School of Music; University of Denver, B.A.;
Columbia University, M.A.
- JOHN W. GUTSCHER *Department of Music*
Juilliard School of Music, B.S.; Columbia University, M.A.;
Leipzig Conservatory; New York College of Music.

- *MARY L. HARBOLD *Department of Science*
Goucher College, B.A.; University of Pennsylvania, M.S.
- HELEN T. IVINS *Department of Social Studies*
West Chester State Teachers College, B.S.;
University of Pennsylvania, M.S.
- CHESTER L. MCTAVISH *Department of Science*
Juniata College, B.S.; Pennsylvania State University, M.S., Ed.D.
- EMIL H. MESSIKOMER
*Director of Personnel, Department of Health and Physical
Education, Coach of Basketball, and Asst. Coach of Baseball*
West Chester State Teachers College, B.S.;
Columbia University, M.A.
- ALAN MEWHA *Department of Geography*
West Chester State Teachers College, B.S.;
Columbia University, M.A., Ph.D.
- CHARLES W. PATTERSON *Department of Education*
Shippensburg State Teachers College, B.S.;
Duke University, M.Ed.
- JAMES B. BONDER *Department of Education, Football Line Coach*
LaSalle University, B.A.; Villanova University, M.A.;
Temple University, Ed.D.
- B. PAUL ROSS *Registrar and Director of Admissions,
Department of Education*
Clarion State Teachers College;
Pennsylvania State University, B.S., M.S., Ed.D.
- WILLIAM C. SKILLEN *Department of Science,
Assistant Coach of Soccer*
Temple University, B.S.; University of Pennsylvania, M.S.
- DOROTHY YANISCH *Department of Health and Physical Education*
West Chester State Teachers College, B.S.;
Temple University, M.Ed.
- MARK M. EVANS *Director of Elementary Education and
Principal of the Demonstration School*
Dickinson College, B.Ph.; University of Pittsburgh, M.Ed., Ph.D.
- ETHEL KELLER *Department of Music*
Lebanon Valley College, B.S.;
Peabody Conservatory of Music, B.Mus.;
University of Pennsylvania, A.M.
- JAMES A. BINNEY *Department of English and Foreign Languages*
Clarion State Teachers College; Pennsylvania State University, B.A.;
University of Pittsburgh, M.A., Ph.D.

* Two-year leave of absence.

- FRANK T. CHEESMAN** *Department of Music*
 Conservatory of Music, Toronto, Canada;
 Northwestern University, B.Mus., M.Mus.;
 Columbia University, Ed.D.
- GERALDINE CONBEER** *Assistant Librarian*
 Millersville State Teachers College, B.S.;
 University of Pittsburgh, M.Ed.;
 Drexel Institute of Technology, B.S. in Library Science.
- ALVIN S. KEINARD** *Head of the Department of Geography*
 Juniata College, B.A.; Pennsylvania State University, M.Ed.
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 Coach of Gymnastics*
 Panzer College, B.S.;
 State Teachers College, Montclair, New Jersey, M.A.
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- JEAN LANDIS** *Department of Health and Physical Education*
 San Diego State Teachers College, A.B.; Wellesley College, M.S.
- H. THEODORE HALLMAN** *Head of the Department of Art*
 Philadelphia Museum School of Fine Art;
 Temple University Tyler School of Fine Arts, B.F.A., B.S.Ed., M.F.A.
- EDWARD T. TWARDOWSKI** *Department of Health and Physical
 Education, Coach of Swimming and Tennis*
 West Chester State Teachers College, B.S.;
 University of Pennsylvania, M.S.
- ROBERT W. REESE** *Department of Health and Physical Education,
 Coach of Freshman Football,
 and Assistant Coach of Basketball*
 East Stroudsburg State Teachers College, B.S.;
 University of Pennsylvania, M.S.
- L. FORREST FREE** *Dean of Instruction*
 Lafayette College, A.B.; Columbia University, A.M.;
 New York University, Ph.D.
- ROBERT D. MCKINNEY** *Department of Art*
 Edinboro State Teachers College, B.S.;
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* Leave of absence, two semesters.

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- ALMA E. WETZEL *Demonstration School*
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Pennsylvania State University, M.Ed.
- ALTON J. CHILDERS *Supervisor, Elementary Student Teaching, Department of Education*
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Temple University, Ed.M.
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University of Pittsburgh, Litt.M.
- MILTON C. WOODLEN *Department of Education*
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- JAY L. GRUENER *Department of Science*
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University of Pennsylvania, M.S.
- MARY M. BLISS *Department of Science*
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- DOROTHY R. STOUT *Department of Music*
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Temple University, M.S. in Music Education.
- ROY D. SWEET *Department of Music*
Fredonia State Teachers College, B.S. in Music Education;
Eastman School of Music, M.M.
- LEWIS GODLOVE *Department of Education*
University of Illinois, B.A.; Columbia University, M.A.
- WILLIAM LANDRUM *Department of English and Foreign Languages*
Virginia Military Institute, B.A.;
Temple University, M.A.
- CLIFFORD H. HARDING *Department of Social Studies*
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- JOSEPH K. HALL** *Head Librarian*
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Columbia University, B.S. in Library Science.
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- BYRON Y. FLECK** *Department of Social Studies*
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University of Iowa, M.A., Ph.D.
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Columbia University, M.A. in Music.
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University of Maryland, M.Ed.
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Football Backfield Coach, Assistant Coach of Track,
and Director of Men's Intramurals*
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Allegheny College, M.A.
- CATHERINE ESTHER GREGG** *Department of Education*
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Columbia University, Ph.D.
- EDWARD G. EVERETT** *Department of Social Studies*
Indiana State Teachers College, B.S.;
University of Pittsburgh, M.A.
- JOHN J. EVANS** *Department of Mathematics and Education*
Kenyon College, A.B.; Ohio State University, B.S.; M.A.; Ph.D.

- M. JANE CATON *Dean of Women*
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Ohio University, M.S.
- BERNICE H. BERNATZ *Assistant Dean of Women*
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University of Michigan, M.A.
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University of Pittsburgh, M.Ed., Ph.D.
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Pennsylvania State University, M.Ed.; D.Ed.
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University of Pennsylvania, M.A.
- JOHN F. MAIER *Department of Science*
University of Rochester, A.B.;
Syracuse University, M.A.
- MARY V. HARRIS *Assistant Librarian*
Washington University, A.B.;
University of Chicago, M.A.
- CONSTANTINE JOHNS *Department of Music Education*
Southeast Missouri State Teachers College, B.S.;
Teachers College, Columbia University, M.A., Ed.D.
- *IRENE G. SHUR *Demonstration School*
Ohio State University, B.S.
- *DOROTHY D. PYLE *Demonstration School*
West Chester State Teachers College, B.S.
- *MARTHA ANN JAMISON *Department of English and
Foreign Languages*
Goucher College, A.B.; Columbia University, M.A.

* Substitute teacher, first semester.

SECRETARIAL STAFF

MARY R. WEIR, B.S.	Secretary to the President
MARY ANN WYLIE	Assistant Secretary to the President
PEGGY E. GROFF	Secretary to the Dean of Instruction
MARY T. HILL	Assistant Secretary to the Dean of Instruction
MILDRED M. SCOTT	Secretary to the Director of Personnel
RUTHANNA WOOD	Secretary to the Registrar
CAROLYN A. PRITCHARD	Secretary to the Dean of Women
CAROL A. ANDRIEN	Secretary to the Dean of Men
FRANCES SELLER	Secretary to the Steward
MABEL H. CALLOWAY	Secretary to the Principal, Demonstration School
JANE EVANS	Stenographic and Duplicating Services
TASIA K. ARCIRES	Assistant Secretary for Administrative Personnel
CAROLINE B. ELINSKY	Assistant Secretary for Administrative Personnel
PATRICIA M. LIMBERGER	Assistant Secretary for Administrative Personnel

BUSINESS OFFICE STAFF

EVERETT E. SHAEFER, B.C.S., M.A.	Bursar
ELIZABETH C. GRIFFITH, B.S.	Principal Clerk
HELEN D. PATTON, A.B.	Bookkeeping Clerk
SARA Y. HYATT	Bookkeeper
HANNAHBELLE T. MORRISON	Senior Clerk
MYRA T. RITCHEY	Clerk
LILYANNE G. SHINGLE	Stenographer
MARY LOUISE HORNER	Stenographer

HEALTH SERVICE STAFF

C. P. KISTLER, M.D.	College Physician
ESTHER EVES, R.N.	Nurse
MARIE W. FUTER, R.N.	Nurse

MAINTENANCE STAFF

THOMAS A. PITT	Steward and Superintendent of Buildings & Grounds
ELIZABETH HODGSON	Dietitian
REBECCA DISSINGER PATTERSON	Housekeeper
GERTRUDE FREEL	Postmistress
MILDRED HUGHES	Post Office Assistant
MABEL HUNTER	Receiving Clerk
ANNA S. CLAYTON	Telephone Operator
THELMA DRAPER	Telephone Operator
DOROTHY SMITH	Dormitory Supervisor
ELEANOR MACMICHAEL	Dormitory Supervisor
FLORENCE K. PFOST	Dormitory Supervisor
JULIA WIENANDT	Dormitory Supervisor

LIBRARY STAFF

VICTOR M. DE AVENELL	Library Assistant
*DOROTHY BELTZ	Periodicals Assistant

FILM LIBRARY

BESSIE H. GRUBB	Clerk
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COLLEGE BOOK STORE

CATHERINE FINEGAN	Clerk
CONCETTA OGBORN	Assistant Clerk

* Leave of absence, two semesters.

COOPERATING TRAINING TEACHERS**1954-1955****Elementary Education****WEST CHESTER**

Allbach, Marion L. M., B.S.	Kelly, Mary, B.S.
Binney, Edith, B.S.	Housel, Leonore, B.S., M.A.
Bishop, Ethel, B.S., M.S.	Keithley, Mildred
Broomall, Elizabeth, B.S.	Kinsey, Mary F.
Royster, Willa Mae, B.S.	Leaf, Natalie, B.S., M.Ed.
Carson, Dorothy, B.S.	McCowan, Florence, B.S.
Cummings, Mary, B.S.	Maxwell, Zelma, B.S.
Edwards, Betty, B.S.	Meredith, Margaret, B.S.
Robertson, Phyllis, B.S.	Muth, Estella, B.S.
Esworthy, Sara	Robins, Anne T., B.S.
Gayley, Ann, B.S.	Starr, Eleanor, B.S.
Hayden, Eleanor, B.S.	Stewart, Orphia P., B.S.
Hoopes, Margaret W.	Taylor, Anne G., B.S.
Snyder, Helen	Yocum, Betty, B.S.
Robinson, Helena	Bryant, Bertha, B.S.
Spann, Alice L.	Towells, Sara
Evanson, Sarabell, B.S.	

WEST GOSHEN SCHOOL

Atwell, Lena F.	Middleton, Edith, B.S.
Darlington, Emma	Morgan, David, B.S.
Gilbert, Loranine, B.S.	Thomas, Margaret, B.S.
Jordon, Verna	Woodward, Laura, B.S., M.A.
Regester, Eleanor, B.S.	

WESTTOWN—THORNBURY

McFarland, Harriet B.	Talley, William B., B.S.
Shank, Russell A., B.S.	

Secondary Education**WEST CHESTER**

Baker, Anna, B.S., M.A.	Murray, Robert, B.S.
Boechler, Charles, B.S., M.A.	Lady, Roy, B.A., M.A.
Bonham, John, B.S., M.A.	Lewis, Keitha, B.S., M.A.
Carroll, Harry, B.S.	Miller, Esther, B.A.
Childs, Kathryn, B.S., M.S.	Phillips, Helen, B.S.
Ford, Barbara, B.A., M.A.	Prutzman, Lewis, Ph.B., M.A.
Gerhart, Aldine, B.S., M.A.	Temple, Sara E., B.S., M.A.
Kern, Joseph, B.S.	Trapnell, Edythe, B.S.
McClelland, Liberty, B.S., M.A.	Urich, Russell, B.A., M.A.

Music Education

WEST CHESTER

Buchanan, Bertha, B.S.
Gustafson, Edna, B.S.
Hanzelman, Joseph, B.S.

BERWYN: TREDYFFRIN-EASTTOWN

Charlton, S. Wenloch, B.S.
Gray, Stanley, B.S., M.A.

KENNETT SQUARE

Ott, Ray S., B.S.

MALVERN

Heintzelman, Norman, B.S., M.Ed.

MARPLE-NEWTOWN

Doran, Joseph, B.S., M.A.
Oberhultzer, Paul, B.S.

WEST GOSHEN

Ginter, Lillian, B.S.

Health Education

WEST CHESTER

Dicks, Frances
Haupt, Elmer, B.S.
Haupt, Elsie, B.S.
Mustin, Mary Belle, B.S.
Zimmerman, Harold
Martin, Rachel, B.S.

BERWYN

Keehn, Robert, B.A.

CHESTER

Crawford, Jack, B.S., M.A.
Forward, Robert, B.S.

CHICHESTER

Kalickman, Milton, B.S., M.A.

COATESVILLE

Atkinson, Leo, B.S.
Funk, Walter E., B.S.

DOWNINGTOWN

White, Donald, B.S.

HAVERTFORD

Cornog, Allison, B.S., M.Ed.
Juenger, Steve, B.S.

LANSDOWNE

Black, Lloyd, B.S., M.Ed.

KENNETT SQUARE

Molmar, Eleanor G., B.S.
Paynter, Charles, B.S., M.A.

MEDIA

Gabriel, James, B.S.

RADNOR

Encke, Ethel, B.S., M.S.
Metoxen, Chief, B.S.
Lentz, Warren, B.S., M.A.

RIDLEY PARK

Godfrey, Samuel O., B.S.

RIDLEY TOWNSHIP

Wynn, Hugh, B.S.

SWARTHMORE

Reese, William, B.S., M.Ed.
Robinson, Millard, B.S., M.Ed.

UNIONVILLE

Reynolds, Lewis, B.S.

STATE TEACHERS COLLEGE**GENERAL INFORMATION****History**

The West Chester Academy, founded in 1812, marks the beginning of the College. The Academy trustees took the initial steps in 1869 toward the establishment of the West Chester Normal School. The graduates of this institution went out into the state as teachers. The Commonwealth, realizing its responsibility in the preparation of teachers, began in 1871 to grant money to pay part of their training. These grants, then termed State Aid, have continued in various forms. As the West Chester Normal School, the institution had five principals. Dr. Andrew Thomas Smith, the last to bear the title, was a scholarly and deeply loved executive. When the State Normal School became the State Teachers College in 1927, the head of the institution became president. Among the men who have led the school, Dr. George Morris Philips, the fourth principal, is especially prominent. Through his long term of service he made a major contribution to the physical and educational progress of the College. His name is associated with the building program which he successfully initiated and accomplished. The college plant consisted of one building, the present central section of "Old Main," when he became principal. From 1891 to 1920 his direction and inspiration increased the College by the construction of additions to "Old Main," the Old Gymnasium, the Green House, the Infirmary, and Recitation Hall. The Demonstration School and the Library were added at the turn of the century. Wayne Hall, built on the site of the Camp Wayne of the Civil War, was erected in 1911. The auditorium and administration building was built in 1925 and named the Philips Memorial Building in honor of Dr. Philips. 1930 saw the addition of the Ehinger Gymnasium and the President's residence. More recently the Library and Power House have been remodeled and a Laundry and new education building, Anderson Hall, have been built.

The College is justly proud of its reputation in the educational world. One of the earliest summer schools in the country was inaugurated here in 1877. West Chester also printed one of the first student handbooks in 1895.

Among the material treasures of the College are: an original painting of George Washington by Charles Wilson Peale for which

Washington gave sittings at Valley Forge during the memorable winter 1777-78; a mahogany grandfather's clock, once the property of Benjamin Franklin; a large collection of letters from the pens of Washington, Lafayette, Greene, Arnold, Wayne, Hamilton, Putman, Sullivan, and Gates, as well as from such literary men as Sidney Lanier and Thomas Buchanan Read; and the autographed book collection of Dr. George Morris Philips to which the English Professional Club is constantly adding.

The State Teachers College at West Chester is the repository of the mineral collections and the herbarium of the Chester County Cabinet of Natural Science. The herbarium includes plant specimens collected in Chester County more than a century ago by Dr. William Darlington and his colleague, David Townsend. The library of the Cabinet is also the property of the College and contains many old and now rare books on natural history, which may be consulted upon request to the librarian.

The Darlington Herbarium and the mineral collections of the Cabinet are located in the Science Museum on the third floor of Anderson Hall. These have been augmented by an archaeological exhibit and the J. Preston Thomas collection of mammal horns. Recently the College acquired the complete ornithological collection of B. Harry Warren, M.D., formerly the State Ornithologist of Pennsylvania, and long-time resident of West Chester.

In 1952, the College received from the late William Pyle Philips, as a legacy, copies of the four Folios of Shakespeare's plays, that is, the First, 1623, Second, 1632, two variants of the Third, 1663 and 1664 respectively, and the Fourth, 1685. It also received the nine volume set of Sanderson's *Biographies of the Signers to the Declaration of Independence*, with autographs of the Signers set in.

These valuable books were given in memory of Dr. Francis Harvey Green and will be permanently housed in the Francis Harvey Green Library.

Location

West Chester is the county seat of Chester County, one of the three original counties laid out by William Penn. The plow engraved on the seal of the county symbolizes the agricultural character of its beautiful rolling hills reminiscent of the English home counties.

Those interested in literature and art will find West Chester has significance. Here Joseph Hergesheimer, the novelist, lived for many years. Sidney Lanier, Bayard Taylor, Thomas Buchanan Read,

Mark Sullivan, and Elsie Singmaster, all have associations with West Chester. The country which Howard Pyle, the artist, made famous lies along the neighboring Brandywine; and the late N. C. Wyeth, a world renowned pupil of Pyle, lived at nearby Chadds Ford.

The famous Longwood Gardens on the estate of the late Pierre S. du Pont are not far from West Chester. These are open to the public. Here are found a magnificent conservatory, an open-air theatre, a famous carillon, and beautiful colored fountains.

The country around West Chester is rich in historical interest. The Valley Forge Memorial Chapel and the camp grounds, the Brandywine Battlefield, Birmingham Meeting House, and the site of the Paoli Massacre lie close at hand. The proximity of West Chester to Philadelphia and its wealth of historical associations enables students to enrich their courses by visits to well-known shrines and institutions as Independence Hall, Carpenters' Hall, the Betsy Ross House, the Pennsylvania Museum of Art, the Academy of Fine Arts, the Rodin Museum, the United States Customs House, The United States Mint, the Zoological Gardens, the Franklin Institute, and the Academy of Natural Sciences. Philadelphia's fine musical organizations afford opportunities to those with an interest in music to hear the best concerts and operas. This is a particular advantage to those taking the course for music supervisors.

BUILDINGS AND GROUNDS

The grounds of the State Teachers College consist of 57.3 acres located in the southeastern part of West Chester. Sixteen buildings with an estimated value of some \$5,530,000 are erected on this tract.

The Reynolds property, adjacent to the Main Campus, was acquired in 1948. It consists of approximately four and one-half acres on which are located a large stone house and a garage.

The Main Campus

The major buildings of the College are located on the Main Campus, a tract of 12.5 acres. The number and variety of its magnificent old trees makes West Chester one of the more attractive eastern colleges. Several recent classes have added much to the beauty of the campus with generous gifts of trees and shrubs.

Wayne Field

West of main campus is located Wayne Field, a tract of about 20 acres, which is used for the men's athletic activities. It includes a quarter-mile running track with 220 yards straightaway, five tennis courts, and fields for soccer, football, and baseball.

Women's Athletic Field

South of the main campus an extensive tract provides for the athletic activities of the women of the College. On this tract are located nine tennis courts and fields for hockey, soccer, softball, archery, and volley-ball. Every woman student of the College has an opportunity to engage in one or more of these sports.

Philips Memorial Building

This building is a memorial to the late Dr. George Morris Philips, a former principal of the school. It contains an auditorium with a seating capacity of approximately two thousand, executive offices, and recreation rooms for faculty and students. It also houses the well-known Philips autographed book collection in the beautiful library which bears the donor's name.

Main Building

This is a four-story building of green stone which is used as the main women's dormitory. It has a basement equipped with laundry and pressing facilities for students. On each floor are bathrooms with modern toilet accommodations; an elevator makes all floors easily accessible. A comfortable lobby affords opportunity for friendly get-togethers, informal teas, and after-dinner coffees. In addition, there are five smaller social rooms, artistically furnished. The dining room, which accommodates both men and women students, is in charge of a trained dietitian.

Freshman Hall

Old Recitation Hall, the former classroom building, has been remodeled and is now used as a dormitory for freshman women. Over one hundred students are housed in this building.

The College Book Store is located on the ground floor at the north side of Freshman Hall and the College Post Office is on the south side of the same floor.

Reynolds Hall

The large house located on the former Reynolds property has been completely renovated and now comfortably accommodates approximately twenty women students and a dormitory supervisor.

Wayne Hall

This is a modern, well-equipped dormitory for men. It is built of green stone, is three stories high, and accommodates 156 men.

President's Residence

The home of the President of the College, a recently renovated Chester County farm-house, is located on East Rosedale Avenue.

Anderson Hall

This building was first occupied in 1941. It has special rooms for speech, reading, and psychology clinics, special up-to-date equipment and laboratories for the science departments, large recreation and study rooms for day students, and offices for faculty members. It contains a full complement of well-equipped classrooms.

Francis Harvey Green Library

The college library, built in 1902, was completely remodeled in 1938-1941, and in 1947 was dedicated to Dr. Francis Harvey Green, former head of the English Department. Some of its special features are the open-shelf reserve room, the curriculum laboratory, the recreational reading room, and conference rooms. In addition to the reference and periodical rooms, there is an attractive juvenile room, used by children from the Demonstration School as well as by college students.

The library has approximately 61,000 volumes and receives over 300 magazines and newspapers. It also has a valuable collection of rare books on natural history, the four folios of Shakespeare's plays (1623-1685), and the Sanderson *Biographies of the Signers to the Declaration of Independence*, with autographs of the Signers.

The staff of the library consists of three trained librarians, a clerical assistant, and a number of student assistants.

Lessons in the use of the library are given to all entering students.

The library is affiliated with the Philadelphia Biographical Center and Union.

Gymnasiums

The College has complete physical education facilities.

These include the gymnasium named for Dr. and Mrs. Clyde E. Ehinger who were for thirty-four years at the head of the Health and Physical Education Department of the College.

A new field house includes a swimming pool with adequate seating for over 500 spectators, an indoor one-tenth mile running track, two regulation basketball courts, a stabilized earth area equipped for track and field events, a baseball cage, a golf driving cage, a recreational sports deck, wrestling room, corrective room, class room, showers, locker and drying rooms, storage, and offices. Seating facilities for over 2500 spectators are provided.

Demonstration School

On the campus is a substantial, well-equipped building which houses a kindergarten and the first six grades of the elementary school. A new playground with modern play equipment adequately serves the school. The school population consists of children living outside the local borough, children living in the borough contingent to the building, and children of faculty members. The school provides teaching and learning observations for college classes.

Infirmary

This building houses the student health services and an infirmary. Its equipment is modern and adequate. The staff consists of a part-time physician and two registered nurses.

THE PURPOSE AND OBJECTIVES OF THE STATE TEACHERS COLLEGE AT WEST CHESTER

The Normal School Act, approved May 20, 1857, divided the state into twelve districts and gave permission for the establishment of a normal school in each district. The first district was composed of the following counties: Bucks, Chester, Delaware, Montgomery, and Philadelphia. Under the provisions of this act the State Normal School at West Chester, Pennsylvania, was recognized February 22, 1871. The Normal School became a teachers college offering four-year curricula in 1927. The first degrees were granted during the summer of that year.

The School Laws of Pennsylvania, 1953, set forth the purposes for creating and maintaining teachers colleges. Sections 2003 and 2009 read as follows:

Section 2003—PURPOSE—The colleges shall be a part of the public school system of the Commonwealth, and their purpose the education and preparation of teachers. The colleges shall provide proper facilities for instruction in the art and science of teaching,

for the boarding and lodging of students in residence, and other necessary facilities approved by the Superintendent of Public Instruction.

Section 2009—VOCATIONAL EDUCATION AND REHABILITATION PROGRAM: The trustees of any State Teachers College with the approval of the Department of Public Instruction and the Governor, may cooperate with municipal, State, Federal, and other agencies in vocational education and rehabilitation programs in the furtherance of the national defense and post-war activities. For such purposes they shall have power to do all things and enter into all agreements necessary to carry out the same . . .

From the date that the Normal School was recognized by the State to the present time both the Normal School and the College has held as its objective the preparation of teachers for the public schools. The College now offers four curricula—Elementary, Secondary, Music, and Health and Physical Education. The College offers courses evenings and on Saturdays to accommodate teachers in service.

The State Department of Public Instruction in 1951 approved a program of training for the degree Bachelor of Science in Education for Public School Nurses and for Dental Hygienists. The State Teachers College at West Chester is cooperating in this program.

The program at the College stresses the complete preparation of teachers. The mental, physical, and spiritual needs of the students are given attention. Extra-curricular activities, lectures, entertainments, and religious club activities afford each student an opportunity to develop a wholesome personality and to build a good character.

From time to time the faculty study the needs of the College in relation to the work of the teacher in the public schools. Curriculum studies are directed both to content of subject matter areas and to the methods to be used in each field. Special committees are appointed to study various problems and to report their findings and recommendations to the faculty. Recently a state-wide study and revision of the curricula in the several State Teachers Colleges was made. These revised curricula were put into operation with the freshman class of 1951. Further studies and adjustments are being continued especially in those areas that lend themselves to integration.

A Student-Faculty Leadership Group is a functioning unit of the College. This group is made up of students, administrative officials, and faculty members. The students represent the four college classes, the student government association, the day and dormitory councils of the men and women, and major club groups. This group considers those questions and problems that are of vital interest to the student body. Through this group means of communication are kept open so that a two-way flow of opinion and careful thinking may have a true vehicle of expression. It has proved very helpful in providing and establishing good relations among the members of the college community. It is felt that it has great carry over values in real life situations and in future citizenship activities.

Under the provisions of the school laws as indicated in Section 2009, the State Teachers College at West Chester, Pennsylvania, gives training in academic subjects to a class of nurses from the Chester County Hospital. This work constitutes a minor part of the program of the College and does not interfere with the regular program of teacher education.

COLLEGE COMMUNITY ORGANIZATION AND ADMINISTRATION

Based upon the belief that all who share in the advantages of the college community should join in the responsibility of government, a college community has been conceived whereby faculty and students co-operate as fully as possible for the mutual advancement of the college program.

A number of achievement goals for each college year has been set up as tentative guides for a program of college life, subject to constant modification to meet new trends and needs. These goals cover the areas of administration, instruction, student life and personnel, community and service area relationship, and teacher education.

These goals are achieved through a series of committees and coordinating agencies. The Executive Committee is an advisory group of faculty and administrators aiding the President of the College in formulating and executing the general administrative policies of the institution. It is composed of the officers of administration and the heads of departments.

The standing committees represent both faculty interests and faculty-student interests. They are the Faculty Executive commit-

tee and the committees on Admission, Personnel and Guidance, Scholarship, Student Life and Activities, Athletics, and Student Teaching and Placement.

Student Government

Students elect a Student Government Association and Councils, which, working with the deans, cooperate in the government of the College.

Convocations

Weekly convocations are held throughout the year. The programs consist of lectures, concerts, recitals, plays, and other events of interest to the students.

All-Star Entertainment Course

An All-Star Entertainment Course brings to the campus each year distinguished lecturers and artists of the highest rank in music, drama, and the dance. These entertainments are available to the students at a very small cost, which is covered by the Student Activity Fee. The College has been greatly aided in this project by the cordial cooperation received from the citizens of West Chester, members of the faculty, and students of the College. These entertainments are held in the Philips Memorial Auditorium. Among the attractions have been Lawrence Tibbett, Marion Anderson, John Charles Thomas, Grace Moore, Bidu Sayao, Helen Traubel, Mario Berini, Alexander Kipnis, Christopher Lynch, Albert Spaulding, Jascha Heifetz, Zino Francescati, Mrs. Franklin D. Roosevelt, Eve Curi, Anne O'Hare McCormick, the Joos Ballet, Svetlova, Paul Draper and Larry Adler, Luboschutz and Nemenoff, Appleton and Field, the Rochester Philharmonic Orchestra, the Cleveland Symphony Orchestra, the National Symphony Orchestra, the Baltimore Symphony Orchestra, the Pittsburgh Symphony Orchestra, Rise Stevens, Columbus Boy Choir, Margaret Webster's Shakespearean Company in *Macbeth*, Igor Gorin, James Melton, Margaret Chase Smith, Robert Shaw Chorale, the Charles L. Wagner Opera Company in "*The Barber of Seville*" and "*Madame Butterfly*," Philharmonic Piano Quartet, Eleanor Steber, Eva LaGallienne, Patrice Munsel, Little Singers of Paris, Guiseppe Valdengo, Ana Maria Spanish Dance Group, Edgar Ansel Mowrer, Leon Destine, Haitian Dancer with Alphonse Cimber, Drummer, Jennie Tourel, The Scherman Little Symphony Society, Robert Merrill, Yehudi Menuhin, Roberta Peters, and Cesare Siepi.

Musical Organizations

The College has the following well-developed musical organizations:

1. **TWO COLLEGE BANDS: THE CONCERT BAND AND THE MARCHING BAND.**

Membership in these organizations is determined by the student's qualifications regardless of curriculum.

2. **THE CRITERIONS.**

The dance band of the College consists of ten or more men, carefully selected, who furnish the music at social functions of the College.

3. **THE SYMPHONY ORCHESTRA.**

Membership in this organization is determined by the student's qualifications regardless of curriculum.

4. **THE COLLEGE CHOIR.**

A mixed chorus selected from students in the Music Education Curriculum, meeting twice a week, devoting their efforts towards acquiring a fine technique of choral singing through the preparation of an extensive repertoire for performance.

5. **THE JUNIOR CHORUS.**

All women, not in the College Choir, enrolled in the Music Education curriculum are required to take this course, devoting their efforts primarily towards acquiring the techniques of choral singing.

6. **COLLEGE WOMEN'S GLEE CLUB.**

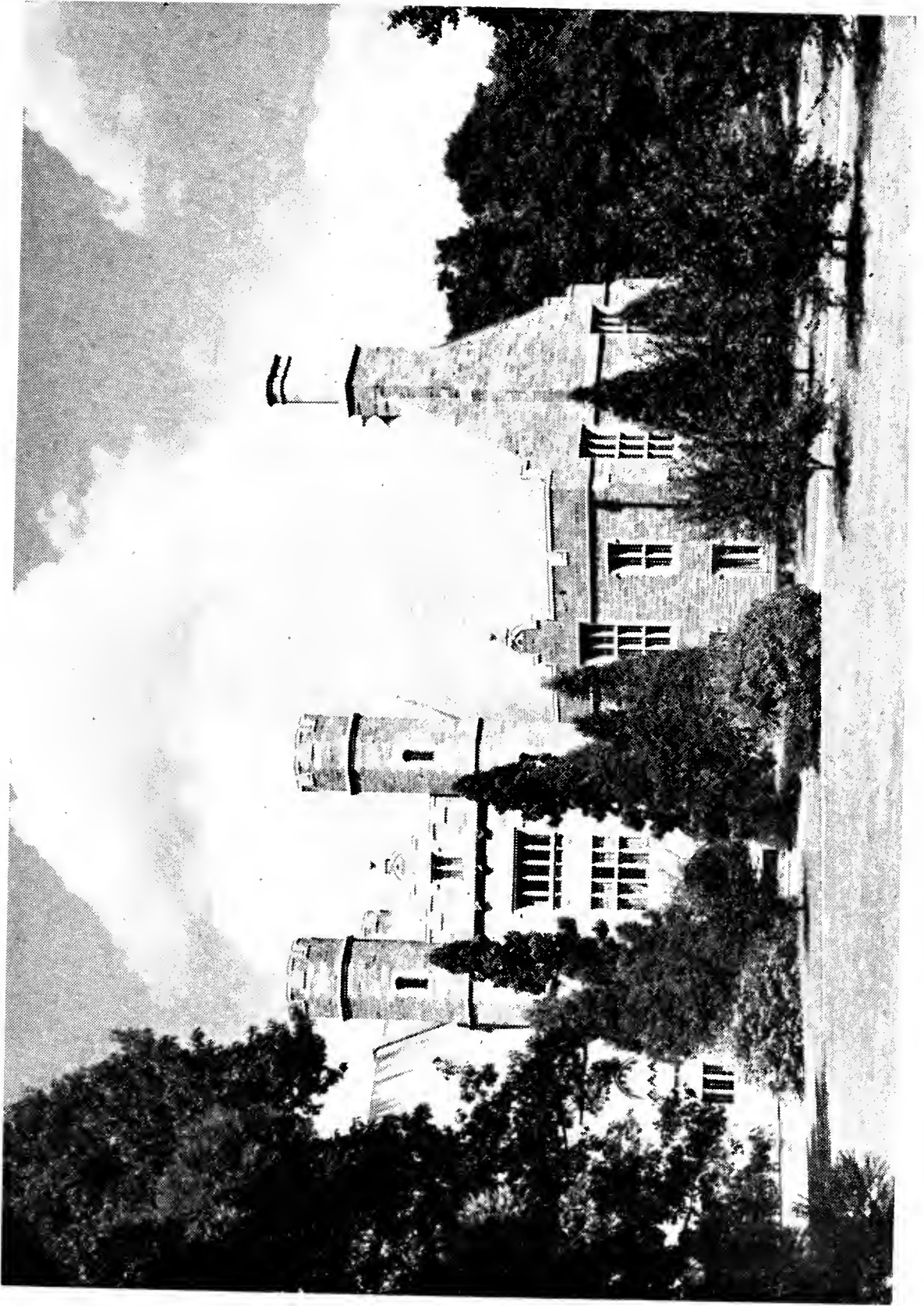
Members are carefully chosen from women of the Elementary, Secondary, and Health Education groups for this club.

7. **MEN'S CHORUS.**

Members are selected from the men of the Elementary, Secondary, and Health and Physical Education curricula and joined with the men not in the College Choir for this choral group.

8. **THE SINFONIETTA.**

The Sinfonietta is a group of about twenty-five outstanding players chosen from the Symphony Orchestra. It was organized to bring before the College and the community compositions written especially for small orchestra.



PHILIPS MEMORIAL BUILDING

9. OTHER MUSICAL ORGANIZATIONS.

The Musical Club and Chamber Music Groups contribute to the wealth of fine music on campus.

Intercollegiate Athletics

It has become recognized by educators and public alike that athletics is a part of general education because athletic activities provide situations that are akin to life experiences, and as such, are conducted with the purpose of developing the educational values which grow out of them.

With this in mind, the College Administration has set up an organization for the control of athletics; it has provided facilities, built schedules, and furnished instructors for the purpose of filling these educational needs.

Sports such as football, baseball, basketball, soccer, track, wrestling, swimming, tennis, gymnastics, lacrosse, golf, and cross-country, are conducted for the purpose of providing our young men with activities that not only will prove beneficial to their health but also will give them a training which will be valuable when they are called upon to coach these sports.

It is the policy of the College Administration first, to provide a variety of sports, as indicated above, in order that as many young men as possible may participate in the activities which interest them most and in which they may achieve a high degree of personal skill; second, to provide eligibility rules that are just and sensible, yet will insure good scholarship; third, to provide schedules which are in our college class, yet are in keeping with the traditions and standing of our College; fourth, and finally, to give athletics their rightful place in our educational program of preparing teachers so that they will function properly in the life of the student body, but will not assume an importance out of all proportion to their value.

The State Teachers College at West Chester is a member of the National Collegiate Athletic Association, the Middle Atlantic States Collegiate Athletic Conference, and a charter member of the Eastern College Athletic Conference. In addition, West Chester conforms to the eligibility standards set by the Board of Presidents of the Pennsylvania State Teachers Colleges.

The athletic program at West Chester provides adequate player and spectator opportunities. Facilities and equipment are of the best. All team coaches are regular members of the faculty.

Intramural Athletics

An athletic program cannot be justified educationally if it is confined to intercollegiate competition alone. There must be provision for all students, so the policy of the College Administration is to expand this part of the program for both men and women, in order that a variety of activities may be supplied for all of our students. Such sports as touch football, swimming, soccer, tennis, track, speed ball, soft ball, and volley ball are organized and conducted for the men students.

Women's Recreation Association

Intramural athletics for women are conducted by the Women's Recreation Association for the social, physical, and recreational benefits of the women students of the College. Its governing council consists of the club officers and sports managers and one faculty adviser. Its program provides a wide range of activities including the modern dance, hockey, archery, volley ball, swimming, lifesaving, tennis, hiking, basketball, softball, badminton, table tennis, and bowling. In addition the W.R.A. sponsors recreational evenings when both men and women students have opportunity to participate in a social dancing class, to engage in roller skating, and to join in folk and old-fashioned square dancing.

Student Health Service

The Board of Trustees has authorized and sponsored the establishment of a Student Health Service at the College. The purpose of this Health Service is two-fold: first, to safeguard the health of the student while in college; and second, to develop in prospective teachers an awareness of proper scientific health habits and attitudes.

All students are required to undergo a complete physical examination at the College at the beginning of each academic year. All freshmen and seniors must, in addition, have chest X-Rays. *It is the responsibility of the student to report for this examination at the time and place announced by the College.*

The College maintains a modern and efficient infirmary with attending physician and two graduate nurses. Students are urged to avail themselves of the facilities of the Student Health Service and to be individually responsible for preserving the general good health of the college group.

Students are advised that first treatment is provided without charge. After the initial office consultation and first aid treatment,

subsequent treatments will be given by, or under, the advice of a physician of the student's choice. All expenses for medicine and treatment by the physician of the student's choice will be borne by the student. The physician of the student's choice may attend the patient at the Infirmary.

In case of serious illness, a student will:

1. Be removed to one of the two local hospitals after notification of the parents or guardian,* or
2. Be hospitalized at the Infirmary under the care of special nurses whose charges will be paid by the student or responsible person, or
3. Be removed by parents or guardian to his home and be attended by private physician until recovery is complete.

Placement Service

The State Teachers College at West Chester maintains an active Education Placement Service. The Placement Director has general charge of the service. He is assisted in this work by the heads of the special curricula and by the Committee on Placement composed of the Dean of Instruction and Supervisors of Student Teaching.

Members of school boards, superintendents, supervising principals, and others in need of teachers, are requested to make application to the Placement Director as early as possible. The Placement Service is in position to send out thorough and adequate information concerning each of the graduates of the College. This material is available to any school official who desires the information in connection with an application made by one of our graduates. The information covers scholastic standing, a comprehensive evaluation of the individual's student teaching experience, and general evaluations of personality, character, competency, and professional potentialities by members of the individual's major and minor departments together with a definite statement compiled by the graduate himself.

Graduates of the State Teachers College at West Chester are asked to keep in touch with the Placement Director in order that they may be recommended for better positions demanding experience. Graduates are also asked to keep the office informed of vacan-

* The College will not assume financial obligations for hospitalization or emergency operations that must be performed on students when recommended by the College Physician.

cies so that these positions, in turn, may be brought to the attention of teachers not placed.

The Pennsylvania Regional Film Library

The College operates a film library service for the schools in the service area surrounding West Chester. The service includes rental of films, film-strips, and projection equipment. All schools and church organizations in Bucks, Chester, Delaware and Montgomery counties are eligible for these services.

The library was established through the State Department of Public Instruction early in the spring of 1951. It maintains some three hundred titles on 16 mm. motion picture film and nearly seven hundred titles on filmstrip. The majority of titles deal with vocational and industrial subjects.

Further information can be had by correspondence with: The Pennsylvania Regional Film Library, State Teachers College, West Chester, Pa.

Classification of Students

Students in the College are classified according to the number of semester hours of credit which they have earned:

Freshmen.....	31 credits or less
Sophomores	32-63 credits inclusive
Juniors.....	64-95 credits inclusive
Seniors.....	96 credits or more
Special.....	Those who are not working on a degree program or are so classified for other reasons.

Marking System

The marking system now in force in the State Teachers College at West Chester provides that the grading be designated by letters as follows:

<i>Grade—Interpretation</i>	<i>Percentage Equivalents</i>	<i>Quality Points</i>
A—Excellent	A—93-100	3
B—Superior	B—85- 92	2
C—Average	C—77- 84	1
D—Passing	D—70- 76	0
F—Failure	F—69 or lower	—1
I—Incomplete (See “P. ovisions”.)		

PERCENTAGE EQUIVALENTS

For those who prefer to think of the grading in terms of figures, it has been determined that each letter represents the range of per cents shown in the second column.

QUALITY POINTS:

The quality points indicated in the third column are allowed for each semester hour of work. Thus, the number of quality points earned in a three-credit course with a grade of "A" equals 3 (the number of credits) times 3 (the number of quality points allowed for an "A") or 9. Quality points are used to determine averages.

EXPLANATION:

The grading system provides that the "C" grade be interpreted as the average accomplishment; the "B" grade as accomplishment superior to the average, and the "A" grade very superior or exceptional work. The "D" grade represents accomplishment inferior to the average and indicates the lowest type of work that will be accepted as of passing grade. The "F" grade represents that accomplishment wherein the quality of work done by a student is below that represented by the "D" grade or 70 per cent. A grade of "F" implies that the course so graded must be repeated by the student.

PROVISIONS:

If because of personal illness certified by a physician, a student is not able to meet the requirements of a course at the close of a semester a grade of "I" may be assigned by the instructor. This grade indicates that the work is incomplete. This work must be completed satisfactorily by the end of the ninth week of the semester following the giving of the grade. Failure to meet this requirement will result in the "I" grade being changed to an "F" on the permanent record card. In no case, is a student given a grade of "I" in any course when the cause of incomplete work is irregular attendance, negligence, absence from final examination, or inability to do college grade work.

When a student fails a course by a margin so close that the instructor believes that a re-examination is justified, the student may be graded "E". In all cases where an "E" grade is assigned, the student must take the re-examination by the end of the ninth week of the semester following the giving of this grade. The final grade for an "E" (re-examination privilege) cannot exceed a "D". Failure

to meet this requirement will result in the "E" grade being changed to an "F" on the permanent record card.

Reports to Parents

The office of the Dean of Instruction will mail a report of each student's grades to his parents or guardian after the close of each semester.

Dean's List

The Dean's List is issued after the close of each semester and contains the names of those students who have earned an average of "B" or higher for the semester.

Honor Roll

The Honor Roll contains the names of those students who for the first seven semesters have maintained a record of "B" or higher.

Scholarship Requirements

A student admitted to the State Teachers College at West Chester must show that he has capacity to do academic and professional work of college grade and that he is in accord with the ideals of teacher education.

Students who earn a grade average of less than 1.00 (C) during a semester will automatically be placed on academic probation for the following semester in which they are in attendance.

Students who earn a grade average of less than 1.00 (C) during a period of academic probation will be subject to dismissal from the College.

Full-time students (those who carry 14 semester hours of credit or more) who do not pass at least ten semester hours of work during a semester, will be dismissed from the College.

Student Teaching

Student teaching is to be taken in the seventh or eighth semester and normally culminates the professional experience in preservice preparation for teaching. Students should file applications for admission to student teaching during the spring semester of their junior year.

To be eligible for student teaching, candidates must have senior standing (96 semester hours) and a quality point average of 1.00 (C) or higher.

Applications for admission to student teaching are reviewed by the department or departments in which the applicant wishes to

secure certification, by the College Supervisor, by the Dean of Instruction, and by the Director of Student Teaching.

Remedial Instruction

New students whose records are low on the Classification Tests which are administered to all incoming students may be required to carry fewer semester hours of credit than a normal class load and may be required to attend without credit remedial classes in English and/or Reading.

Resident Credit Requirements

A minimum of 32 semester hours of resident credits are required for graduation from a degree curriculum. Graduates of a two-year normal school curriculum are required to earn at least 32 semester hours of additional resident credits to be eligible for a degree. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus.

Class and Convocation Attendance

Regular and punctual attendance at classes and convocations is considered essential to sound scholarship and good campus citizenship. Upon admission to the College each student is supplied with a copy of the absence policy and agrees to conform with its provisions.

Withdrawals From College

The student should notify the Dean of Instruction, in writing, stating the reason for his intention of withdrawal from the College.

Should a student fail to comply with this requirement, the administration will, after ten days of unexplained absence, declare the student not a member of the College. The date on which his connection with the College terminates will be the day on which he last attended classes.

When a student discontinues his work at the College, either for illness or any other reason, he must notify the Dean of Instruction as soon as possible, otherwise he will receive marks of "F" in each of his courses on his permanent record card. This will result in difficulty in re-entering the College or in securing admission to another institution.

Transcripts

Applications for official transcripts should be made to the Office of the Dean of Instruction.

There is a fee of one dollar for the second and each subsequent transcript. Checks must accompany requests and should be made payable to the Commonwealth of Pennsylvania.

Names and addresses to whom transcripts are to be mailed should be included with applications.

Dismissals from College

Administrative officers and the student councils may make recommendations to the President for suspension and dismissal. No student shall be suspended or dismissed from the College except upon the approval of the President.

Student Class Load

The regular student class load is 15-17 hours of credit per semester. To carry more or less than this number, a student must secure the approval of the Dean of Instruction.

Full-time Students

Full-time students are not permitted to carry less than 14 semester hours of credit.

Graduation

A student will be recommended for graduation when all the requirements for his curriculum have been met. Diplomas will not be issued until all bills and obligations to the College have been met.

The Alumni

The West Chester State Teachers College alumni number over twelve thousand and their devotion to the College is marked. The annual meeting held at the College just before commencement is well attended and active branch organizations hold meetings at the following places: Allentown, Atlantic City, Bethlehem, New York City, Pottsville, Reading, and York. The Tri-County organization consists of graduates living in Delaware County, Montgomery County, and Philadelphia.

ADMISSION TO THE COLLEGE

The State Teachers College at West Chester, Pennsylvania, has always maintained high scholastic standards and has prided itself upon preparing teachers with fine ideals and satisfactory professional training. The Administration of the College believes that only the best graduates of our high schools should be encouraged to enter the teaching profession, those graduates being first fully informed of their responsibility and ready to assume it. The children of the Commonwealth deserve nothing less than the best equipped teachers for their instructors. To this policy the Department of Public Instruction has committed itself. In furtherance of the policy, this College has accepted the following minimum requirements for those who wish to pursue professional work leading to entrance into the teaching profession of the Commonwealth. Applicants for admission to the College should carefully note these requirements and should communicate with the college authorities in the case of doubt as to the exact meaning of the regulations.

I. Candidates for admission must satisfy the following requirements:

A. General scholarship as evidenced by graduation from an approved secondary school or institution of equivalent grade, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction, and *ranking in the upper half of the class at graduation*. Candidates for admission who lack this rank at graduation will be required to present further evidence of fitness.

1. Applicants ranking in the upper half of their graduating class in secondary school may be admitted on certificate without further evidence of general scholarship.
2. Applicants who do not rank in the upper half of the graduating class may be admitted on probation, provided:
 - a. They are recommended by their secondary school principals as being able to do creditable college work;
 - b. Appraisal of the detailed secondary school record indicates to admission authorities of the College that the candidate can do satisfactory college work;

- c. A rating satisfactory to the College authorities is made on tests administered at the College.

Applicants satisfactorily meeting requirements (a), (b), and (c) above may 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 standards of scholarship.

3. Foreign languages, mathematics, and science are not required for admission except as listed under Special Requirements for Elective Fields (See Part V).

- B. Character and appropriate personality as shown by estimates by secondary school officials of the candidate's trustworthiness, initiative, industry, social adaptability, personal appearance, and sympathy.

- C. Health, 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 at the College.

1. 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 will be furnished by the College. In addition, a complete medical examination for all students is made at the College at the beginning of each year in accordance with a requirement of the American Association of Colleges for Teacher Education.
2. Applicants may be rejected for the following reasons: (a) incurable defects or diseases as of the heart, lungs, kidneys, digestive system, nervous system, including hysteria, epilepsy, nervous instability, skin, organs of the special senses, thyroid; (b) defective vision of marked degree; (c) permanently impaired hearing; (d) marked speech defects; (e) unsightly deformities; (f) marked obesity. Students with remediable defects may be accepted on condition that immediate treatment be undertaken for removal of these defects.

- D. Normal intelligence and satisfactory command of English as shown by ratings on standard tests. The tests to be used will be prescribed each year by the Board of Presidents and will be uniform for all State Teachers Colleges.
- E. A personal interview with particular attention to personality, speech habits, social presence, expressed interests of the applicant, and promise of professional development.
- II. A student must be a citizen of the United States to receive a college diploma or a teacher's certificate.
- III. Special requirements for admission to the Music Education Curriculum.
- Special attention will be given to the promise of professional development and musical ability of the candidate as shown by:
- A. The ability to sing songs with acceptable voice and interpretation;
- B. The ability to sing hymns and folks tunes at sight with a fair degree of accuracy and facility;
- C. 1. Applicants whose major instrument is piano must give evidence of mastery of fourth grade material;
2. Applicants whose major instrument is other than piano must give evidence of mastery of second grade material, or, lacking this requirement, should demonstrate sufficient musical ability to remedy this deficiency.
- NOTE: The abilities called for in A, B, and C above will be determined by special tests* in sight singing, ear training, voice, piano, and musical instruments.
- IV. Special requirements for admission to the Health and Physical Education Curriculum:
- A. The student must have participated in both the required physical education program and the extra curricular athletic program of his secondary school. The extent of participation in the latter will be judged upon the student's interest, aptitude, and growth in skills and knowledge of these areas.

* These tests are administered at stated times during the spring and summer. Candidates will be notified by the Registrar when to come to the College for the tests.

B. The student is required to have a personal interview with members of the Health and Physical Education Department to determine his fitness for entrance into this curriculum. When physical efficiency tests are deemed advisable, the Department will require the candidate to appear at a time set by the Registrar.

V. Special requirements for elective fields:

A. Foreign language.

1. To elect Latin, students must present two high school units of Latin.

B. Mathematics.

1. To elect mathematics, students must present three high school units of mathematics of which units, algebra and plane geometry must have been taken in the senior high school.

Evidence of Character

All applicants for admission shall present evidence of good moral character and ideals characteristic of the teaching service.

Evaluation of Credentials

Credentials of all students entering the State Teachers College on the basis of an approved secondary school preparation are evaluated by College officials; students not having an approved preparation or students whose preparation is irregular, shall have their credentials evaluated by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction.

Evaluation of credits cannot be made on registration days. This should be attended to prior to that time.

Application for Admission

A student who desires to enroll for a semester beginning in September should make application by filling in the Preliminary Registration blank found at the back of this catalogue and sending it to the Registrar as soon as his decision has been made to apply for admission. During February of the year in which admission is sought, complete application forms will be mailed to all persons who have filed a Preliminary Registration. The Registrar will continue to accept applications for admission, College facilities permitting,

throughout the spring and summer months of the year in which admission is desired.

A student who desires to enroll for a semester beginning in January should make application prior to January 10 by filling in the Preliminary Registration blank found at the back of this catalogue and sending it to the Registrar. Complete application forms will be mailed on or after October 15 prior to the semester for which admission is sought.

Readmission of Former Students

Students who have attended West Chester State Teachers College and who have withdrawn for acceptable reasons may direct a request to the Registrar's Office for an "Application for Readmission." Those who have attended any institutions of higher learning since leaving West Chester must request such institutions to forward transcripts of their record to the Registrar at West Chester.

Admission of Special Students

Graduates of other colleges who wish to complete the requirements for a teacher's certificate may apply for admission as special students. Application forms and information may be secured from the Registrar.

Admission of Students with Advanced Standing

APPLICATION.

Application forms and information for transfer students may be secured from the Registrar's Office.

RECORD OF PREVIOUS WORK.

Students who have attended other institutions of collegiate rank shall request each institution attended to send an official transcript of work directly to the Registrar of the College.

ADVANCED CREDIT.

Advanced credit may be granted for equivalent courses in accredited institutions of collegiate grade, but no student may be graduated without earning a minimum of 32 semester hours of credit on campus.

Courses offered for transfer of credits will not be accepted if the grades for those courses are the lowest passing grades of the institution assigning them. If "D" is the lowest passing grade, courses so graded will not be accepted. If 70 is the lowest passing grade, no course will be accepted which is passed with a grade under 75.

To be acceptable, transcripts of work done at other colleges or universities must show an honorable dismissal of the student. Persons who have been placed on academic probation at another college or university and those who have been dismissed from other institutions are not eligible for admission to West Chester State Teachers College.

INFORMATION FOR VETERANS

The West Chester State Teachers College has been approved by the Veterans Administration for training of veterans under P.L. 16, P.L. 346, and P.L. 550.

Veterans apply for admission in the regular manner and must meet the College admission requirements.

All new students who are eligible to enter with veterans' benefits should apply several weeks in advance of registration to the Veterans Administration office for official Certificates or Supplemental Certificates of Entitlement.

If a veteran does not have his official letter of entitlement at the time of registration, he should be prepared to meet the financial requirements of the College so that he may complete his registration pending the arrival of his official letter.

The Dean of Instruction is the Veteran's Co-ordinator at the College.

SELECTIVE SERVICE INFORMATION

The Dean of Instruction is the College adviser on Selective Service. Students wishing advice on this subject should apply at his office in the Philips Memorial Building.

A student seeking deferment in order to continue his college career should request the office of the Dean of Instruction to submit the proper information to the student's local Selective Service Board.

STUDENT LIFE

Classification of Students

1. *Resident Students.* Resident students are of two types:
 - a. *Dormitory Students*—those who live in a college dormitory and take their meals in the College dining room. All dormitory students are required to eat in the College dining room.
 - b. *Off-Campus Students*—men who live in an approved off-campus residence and are required to take their meals in the College dining room.

2. *Day Students* are those who live at the home of their parents or legal guardians and commute daily to and from the College. Those driving cars must register with the Dean of Men.
3. *Home Employment Students* are those who, with the permission of the Director of Personnel, work for their room and board in approved homes in the community of West Chester.
4. *Special Students* are those who do not qualify in any of the above classifications. They must have the approval of the respective Deans for their living arrangements.

The classification of students is determined by the Deans of Women and Men. These deans advise on the living conditions of all students.

Resident Students are required to eat in the College dining room. The President of the College may approve exceptions to the general rule in very rare cases.

Application for permission to eat out of the College dining room must be filed in the office of the President of the College two weeks before the opening of each semester. The College Health Service will review each application based on a health condition when the family physician has submitted a detailed diagnosis with a laboratory report such as blood count, urinalysis, and basal metabolism test.*

Any student granted permission to eat out of the College dining room may be required to live in an approved off-campus house.

Housing

The College has 292 rooms for women and 78 rooms for men in the respective dormitories. Rooms are provided in private homes for *Off-Campus Students*. These rooms are inspected and approved by the Dean of Men. *Off-Campus Students* are under the same regulations as dormitory students.

Students who live in the college dormitories are provided with bed linens and counterpanes. All other bed furnishings and toilet necessities are provided by the students.

Regulations Concerning Dormitory Students

A student who accepts an assignment in any college dormitory at the beginning of a semester or session will be responsible for the payment of the room rent fee for the entire semester or session. Exceptions will be made only in cases of personal illness, the same

* The College Infirmary must be furnished with a diet list prepared and signed by the family physician. This list should be made out in duplicate, one copy to be kept at the eating place of the student's choice and the other copy to be placed on file at the Infirmary.

being certified by an attending physician, or for such other reasons as may be approved by the President of the College and the Board of Trustees. A student admitted to a college dormitory after a semester or session begins will be responsible for the payment of the room rent fee for the balance of the semester or session on a prorated basis.

Regulations Concerning Dormitory Guests

A dormitory student is permitted to have an overnight guest **ONLY** when such a guest **HAS BEEN REGISTERED WITH AND APPROVED BY** the Dean of Women, in the case of women students, or the Dean of Men, in the case of men students. A charge of 50c per night is required for each guest. Students to whom rooms have been assigned will be **RESPONSIBLE INDIVIDUALLY FOR THE OBSERVATION OF THIS REGULATION.**

Student Automobile Regulations

Resident students who have valid reasons within the existing College Automobile Regulations, may maintain and operate automobiles on campus, providing they apply for and obtain permission from the Dean of Men prior to bringing automobiles on campus.

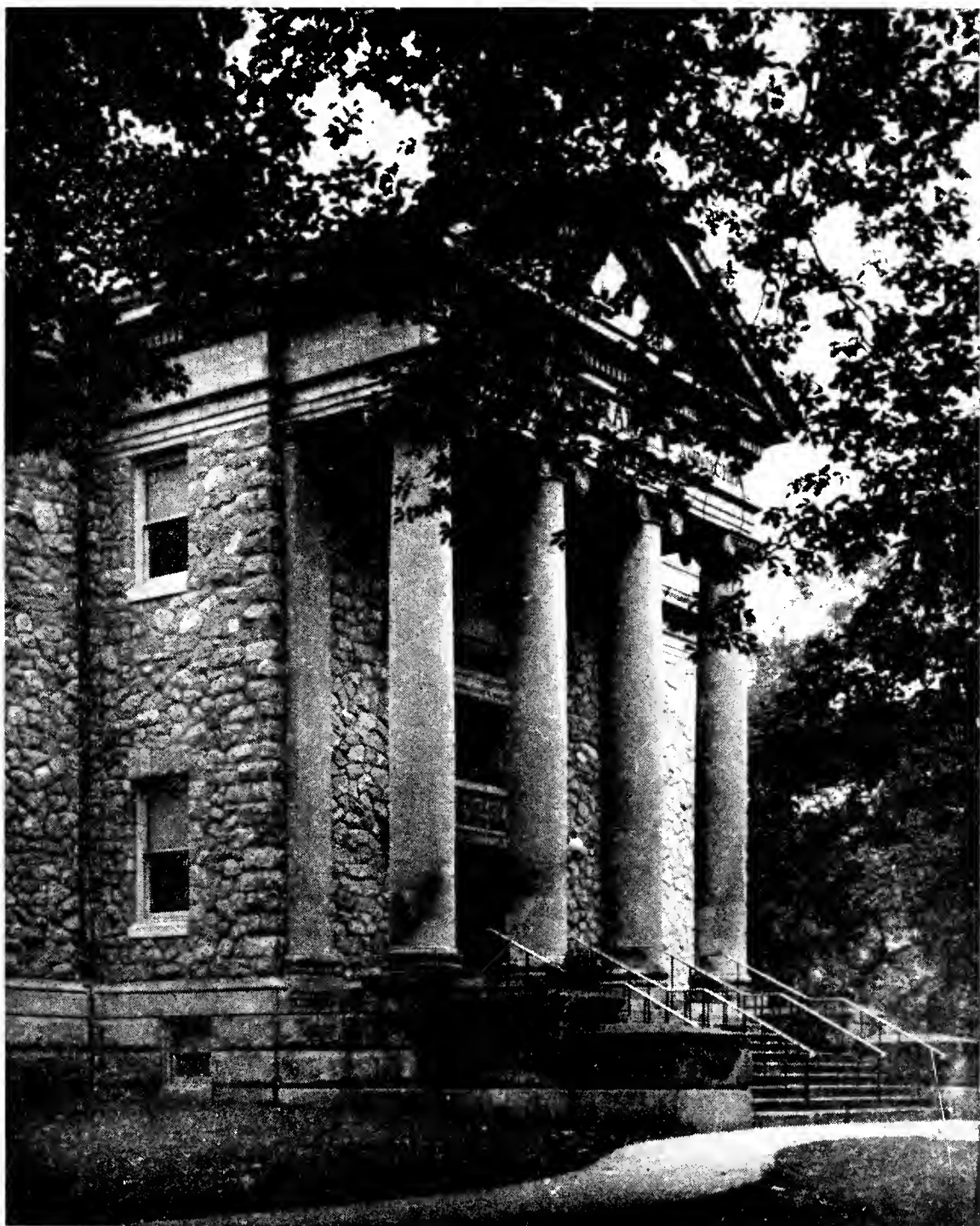
Commuting students will be granted permission, upon application to the Dean of Men, to drive automobiles to and from the College daily.

Laundry

The laundry of *Dormitory Students only*—to the extent of twelve pieces per week—is done in the College Laundry. All pieces sent to the laundry must be plainly marked with the owner's name. Name tapes sewed on articles of clothing constitute the best identification. A laundry bag should be owned and used by every student.

College Book Store

The College Book Store carries, in addition to books, a complete line of student necessities. This book store is operated as a student enterprise, the net receipts of which accrue to the benefit of the Student Activities Association.



FRANCIS HARVEY GREEN LIBRARY

EXTRA-CURRICULAR ACTIVITIES

The developing of the extra-curricular program, fitting it to the needs of the students, and co-ordinating its various phases into the whole of college living is the responsibility of the Director of Personnel. Questions of policy and regulations, the evaluating of the objectives of an activity, and other problems are acted upon by a committee composed of faculty and students.

The program of extra-curricular activities at West Chester emphasizes four types of activities leading to individual and group development. The various clubs, organizations, activities, and responsibilities are grouped under one of four headings according to type of development emphasized. The following indicates the four types together with some of the activities included in each phase:

- Type A: Activities that center around college group life; activities of college community government and living, such as: Student Activities Association Executive Board, Student Councils, Class Committees, Epicurean Club, Quad Angles, Student-Faculty Committees, Serpentine, Press Board, Little Theatre.
- Type B: Activities that promote better professional development—that train for sponsorship and organization of “extra-class” programs in the public schools. The various departments of the College sponsor professional clubs, such as: Association of Childhood Education, English, French, Geography, Mathematics, Music, Social Studies, Science, men’s and women’s sports activities for health and physical education students.
- Type C: Activities that promote finer ethical values. These groups have organized a Council of Religious Clubs that plans for a unified program for the year as well as emphasizes ethical action as a united front; it is through united effort in this area that we may raise the standards of honor and character on the campus. The organizations in this group are: Bible Study Club, Hillel Foundation, Newman Club, and Christian Association.
- Type D: Activities that satisfy individual interests. These activities are those of hobby groups and include a long list, such as: art, athletics, glee clubs, photography, phonograph, nature study, orchestra, etc.

Extra-Curricular Requirements for Students

Each student is required to participate in the activities of a club for one semester of each of the four years on campus, and is required to take part, without credit, in one Physical Education activity each semester in which no Physical Education course or Student Teaching is required. The Extra-Curricular Activities Committee and the Personnel Department ask the co-operation of the students in taking advantage of the varied types of extra-curricular activities that are offered. In order to receive credit for participation in extra-curricular activities it is necessary to meet the minimum attendance requirement and to actively take part in the activities of the club or organization.

No student is permitted to hold more than one office in one semester. It is hoped that in this way it may be possible to spread opportunity and divide responsibility, thus develop leaders and discover latent abilities as well as continue to enjoy the services of those who are naturally inclined to direct affairs.

Students are urged to take into account the fact that their extra-curricular participation often has an important bearing upon their placement when seeking positions. Students should keep in mind not only the placement value of their extra-curricular program but also its cultural value.

PUBLICATIONS

QUAD ANGLES, the student newspaper, is published by an undergraduate staff. Positions in the organization are open to any member of the student body with reporting or editing ability. A faculty member serves as adviser.

THE SERPENTINE is the college yearbook published under the direction of the Senior Class. This record of college activities is edited by a student staff with a faculty adviser.

THE RAM'S HORN is a publication of the Varsity Club produced on the occasion of each home game of the football season. The staff is made up from the undergraduate body of the College aided by a faculty adviser.

THE HANDBOOK is published each year as an aid to incoming freshmen. It is prepared by a student staff with the advice of a faculty sponsor.

SCHOLARSHIPS

William Pyle Philips Scholarships

The William Pyle Philips full tuition (contingent fee) scholarships are available to junior and senior students. To be eligible for these scholarships, students must have been born in Chester County and must have lived there all their lives. There are 40 to 50 scholarships awarded each year, the beneficiaries of which are selected by an administrative committee. The scholarships are awarded to members of the junior and senior classes on the basis of demonstrated scholastic ability.

Samuel Martin Scholarship Bequest

This is a fund which was left by the will of Mr. Samuel Martin "to be used to defray part of the expenses of persons of limited means who are preparing to teach . . . Persons who are assisted shall preferably be educated at the West Chester Normal School" (now State Teachers College). "Children of Friends, or persons in sympathy with Friends, are preferred." Persons wishing to obtain the benefits of this fund will inform Elbert N. Pusey, Esquire, 13 North High Street, West Chester, Pennsylvania.

Theodore Presser Foundation Scholarship

A scholarship for music students is awarded by the Music Department, with the approval of the President of the College. The amount granted totals \$250. yearly, as approved by the Board of Trustees of the Presser Foundation. The award was first granted to West Chester in 1929. This scholarship is available to juniors and seniors in the music curriculum.

Music Department Scholarship of The General Student Fund

Three \$60. scholarships are awarded during the sophomore year to sophomore music education students. College citizenship and performance in the area of applied music are the factors considered.

The Sarah H. Mellor Scholarship Fund of the Chester County Council of Parent-Teacher Associations

Mrs. Sarah H. Mellor was associated with the State Teachers College at West Chester as student, teacher, and member of the Board of Trustees. Her interest in education in general, in children, and in youth found expression in her devotion to the work of the Parent-Teacher Associations, especially of those in Chester County. It is

therefore fitting that the Chester County Council of Parent-Teacher Associations memorialize her through this scholarship. A joint committee from the Chester County Council of PTA and the College will make the award annually to a Chester County student who is in attendance at the State Teachers College. This award of \$50. each year will be based on need, character, and ability.

York County Alumni Club Award

The members of this organization have established the Elsie O. Bull Scholarship fund to be awarded each year by a Special Committee of Awards to a person from York County who is attending or will attend the State Teachers College at West Chester. Need, ability, and promise are the prerequisites necessary for consideration.

Schuylkill County Alumni Association Award

A fund has been created by this group to be awarded each year by the Scholarship Committee of the Club to a person from Schuylkill County who is attending the State Teachers College at West Chester. Need, ability, and promise are the factors considered.

Sensenig Memorial Scholarship

The scholarship is awarded annually to two juniors for excellence in mathematics.

State Scholarship

The State Department of Public Instruction offers a free scholarship of \$100. each year for four years to the student earning the highest score in the competitive examinations given in each county on the first Friday of May each year. This scholarship may be used at West Chester. The student should apply to his high school principal or county superintendent of schools for information and permission to take these examinations.

Friars Memorial Scholarship

This scholarship is in memory of all those West Chester men who lost their lives in World War II. The amount of the scholarship is to be \$100. annually awarded to the junior male student who has been selected on the basis of (1) high academic standing, (2) need, (3) contribution academically, socially, or athletically to the development and improvement of the College.

**Delaware County Federation of Junior
Women's Club Scholarship**

A fund has been created by this group to be awarded by the Scholarship Committee of the Club to one or more upperclass students from Delaware County who are in attendance at the State Teachers College at West Chester.

LOANS

The College endeavors to aid needy and deserving students to take advantage of their educational opportunity. A student whose record is satisfactory in academic work and in respect to personal and community responsibility may feel that his application for aid will receive favorable consideration. Applicants apply at the Personnel Office for necessary forms.

Alumni Loans Fund

This is a fund which was created by the Alumni Association to aid needy students in their junior and senior years. The maximum loan is \$100. per year. Loans must be used exclusively for college expenses. Applicants must be good students and in need. Legal security is required. No interest is charged. Repayments begin at the rate of \$15. monthly after graduation.

Student Loan Fund

Emergency loans are made from this fund to be repaid within a year. The maximum amount loaned to any one student is \$50. Application forms may be secured at the Personnel Office.

Student Activities Association Loan Fund

The Student Activities Association, a student organization, has set aside \$4,000. as a fund to assist needy students through loans. Each application is decided upon its own merits by a committee. Application forms may be secured at the Personnel Office.

Everywoman's Club of Glenside Fund

A loan of one hundred dollars or less is available to a young woman from Abington or Cheltenham Township, Montgomery County, in her junior or senior year, who is recommended for such aid by the dean of women in the college attended. The loan may not exceed one hundred dollars in any one year or more than two hundred dollars to any one girl.

Hannah Kent Schoff Loan Fund of the Pennsylvania Congress of Parents and Teachers

Loans for the purpose of training in elementary education may be made from this fund. The sum is not to exceed four hundred dollars (\$400.) which will be received at the rate of one hundred dollars (\$100.) per year. The applicant shall repay such loans as soon as is reasonably convenient. The recipient of a four hundred dollar loan shall be exempt from payment of one hundred dollars if he has repaid three hundred dollars by the time he has received his Pennsylvania Permanent Certificate.

All applications for loans shall be made in writing and contain such information as shall be required by the Committee on Student Loan Fund of the Pennsylvania Congress of Parents and Teachers.

STUDENT HELP EMPLOYMENT

Applications for the various types of student employment are accepted after May 1 of each year. Appointments for the year are made about July 1. Applications must be renewed each year.

Student Help Assistants

The College employs a limited number of students as helpers in some of the departments of the College; for example, the library, laboratories, and offices. Positions pay sixty cents an hour, the amount earned depending upon the number of hours employed during a month. Part-time positions require twenty-five hours work per month and pay \$135. for the year; full-time positions require fifty hours work each month and pay \$270. for the year. Most of these jobs require some special form of training or skill. The money earned must be used exclusively for college expenses and is available primarily for those who could not otherwise attend college. This money will defray from one-fourth to approximately one-half of the student's college expenses.

Student Waiters

The College employs each year a number of men students as waiters for its dining hall. Students thus employed are paid on an hourly basis and may earn from \$150. to \$250. for the year, thus defraying approximately one-third to one-half of their college expenses. Such positions are primarily available for those who could not otherwise go to college. The money thus earned must be used exclusively for college expenses.

Opportunities for Earning Room and Board

Women students who need to earn the full cost of their board, room, and laundry should make applications for "Home Employment." Those who have had experience or training in home duties are more easily placed. The duties vary from caring for children and tutoring, to cooking, cleaning, and the performance of general household duties. Girls live under conditions and regulations approved by the College and are encouraged to participate in all college activities. This work takes care of the \$432. a year charged for room, meals, and laundry of the student who might otherwise live in the dormitory. Those interested should write, after May 1, for application forms to the Dean of Women. A personal interview is required by both the Dean of Women and the Housemother.

There are a few similar opportunities for men. Those interested should apply at the Personnel Office.

Part Time and Odd Jobs

The Personnel Office offers to assist students who wish to earn money toward their college expenses. Students may register for such part time work or odd job work as may come to this office from the campus or community. While the Personnel Office makes every effort to obtain places for those who wish employment, it advises against depending upon this source for any regular or dependable income. The opportunities range from a few dollars to nearly \$200. for the college year. Students who enter college with training in some special field are able to earn more than those with little or no training.

EXPENSES

A. UNIFORM FEES *

1. Contingent Fee—

A. Each semester a contingent fee† for each student is charged as follows:

Elementary Curriculum.....	\$45.
Secondary Curriculum.....	45.
Health and Physical Education Curriculum.....	63.
Music Education Curriculum	90.

* The acceptance of a student is for a semester. Parents or guardians who are providing for the expense of a student at the College should understand that their financial obligations are for a full semester. Fees are subject to change without notice.

† This fee covers registration and keeping of records of students, library, student welfare, health service (other than extra nurse and quarantine), and laboratory facilities.

- B. Students taking seven or less semester hours shall pay at the rate of \$7.50 per semester hour. Students taking more than seven hours shall pay the regular contingent fees provided that the regular contingent fees for special curricula shall be prorated on the basis that the number of semester hours taken is to eighteen semester hours.
- C. Students taking extension courses shall pay at the rate of \$7.50 per semester hour, provided that the regular fees for special curricula shall be prorated on the basis that the number of semester hours taken is to eighteen semester hours.
- D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

2. Fee for Out-of-State Students

Students whose legal residence is out-of-state will be charged a fee of \$7.50 per semester hour. Out-of-state students carrying the regular sixteen hour semester load will pay \$120. each semester. In addition, Health and Physical Education students will pay \$18. and Music Education students will pay \$45. per semester.

3. Housing Fee

A. Housing rate for students.

The housing rate for students is \$216. per semester.

This includes room, meals, and limited laundry (for dormitory students only) during the time the College is officially in session (excludes holidays and recesses).

Students must vacate dormitory rooms on the day college recesses begin. Rooms may be occupied no earlier than noon of the day preceding the end of a college recess.

- (1) Official recesses to which this regulation applies are:
 - (a) Thanksgiving—from close of classes to 8:00 A. M. on the day classes resume;
 - (b) Christmas—from close of classes to 8:00 A. M. on the day classes resume;
 - (c) Between semesters—semesters end for freshmen, sophomores, juniors, non-graduating seniors, and

special students immediately after their last final examination or student teaching assignment and the recess extends to 8:00 A. M. of the day students are scheduled to register for the next semester;

(d) Easter—from close of classes to 8:00 A. M. on the day classes resume.

(2) Other official holidays (recesses) to which this regulation applies may be designated by the College Administration.

(3) An additional charge of \$9. per student will be made each semester for rooms with running water.

(4) A student may, at the discretion of the President of the College, occupy a double room alone by paying an additional \$36. fee each semester.

(5) For the purpose of meeting the requirements of those college students who live in off-campus rooming houses but board in the college dining room, the housing rate will be divided \$3. for room and \$9. for table board.

(6) No reduction in the rates is to be made for the absence of students who go home for a few days at a time, nor for laundry done at home.

(7) Students not living in the college dormitories but living in houses approved by the College will be responsible for their own laundry.

B. Housing rates for employees other than those included in the State Classification Schedule (faculty, clerks, etc.) are \$13. per week, divided \$9. for meals and \$4. for room and laundry.

C. The rate for separate meals is:

Breakfast \$.50

Lunch \$.75

Dinner \$1.00

D. The President of the College may, at his discretion, authorize payments for not less than one month in advance by worthy students.

4. Damage Fee

Students will be responsible for damages, breakage, loss, or delayed return of college property. The rooms are fully equipped for students at entrance. Any damage done to furniture.

furnishings, or buildings beyond that which comes from use, will be charged to students. At the opening of the year all necessary electric lamps are furnished free. Thereafter, students pay for extra light bulbs. If damage results from using appliances other than those provided by the College, a proportionate amount will be charged to all students accountable.

5. Infirmary Fee

For minor illness, boarding students are charged \$1. for each day after the third day in the College Infirmary. This charge is exclusive of the fees of physicians, the expenses of employing trained nurses, and the cost of medicine, for all of which the students or the parents thereof are responsible. For the first three days no charge is made. In case of serious illness, students are removed to a hospital where they will bear their own expenses. Day students who are admitted to the Infirmary will pay board at the rate of \$2. per day.

6. Private Music Instruction Fees

A. Students enrolled in the Music Education Curriculum do not pay extra fees for private instruction in voice, piano, band, or orchestral instruments. Such instruction is included in the contingent fee. There is no charge for the use of pianos for practice. A rental charge is made for the following:

- (1) Pipe organ for practice one period per day, \$36. each semester.
- (2) Orchestral instruments, \$6. per semester.

B. Charges applicable to students in the Elementary, Secondary, or Health and Physical Education Curriculum.

- (1) Voice, piano, band, or orchestral instruments, \$24. each semester—for one lesson per week. Pipe organ, \$42. each semester—for one lesson per week.
- (2) Rental of piano for practice, one period per day, \$6. each semester.

Rental of pipe organ for practice, one period per day, \$36. each semester.

Rental of band or orchestral instruments, \$6. each semester.

7. Miscellaneous Fees

A. Degree Fee

A fee of \$5. must be paid by each candidate for a degree to cover the cost of the diploma.

B. Record Transcript Fee

One dollar (\$1.) will be charged for the second and each subsequent transcript of records.

C. Late Registration Fee and Late Payments

A late registration fee of \$1. per day, not to exceed \$5., will be paid by students who do not register on the appointed registration day, except where pre-approval has been obtained from the President of the College. The same regulations shall apply to approved inter-semester payments.

8. Delinquent Accounts

No student will be enrolled, graduated, or receive a transcript of his record until all charges have been paid.

B. DEPOSITS

Advanced Registration Deposit

A deposit of \$10. must be made by all applicants as the final step in completing the admission process. This fee is not to be sent until the applicant receives notice of acceptance to the College. It is a guarantee of the intention of the applicant to enter college for the term or semester designated. It is deposited with the State Revenue Department to the credit of the applicant's contingent fee. If, however, the applicant notifies the College at least *three weeks* before the opening of college that he is unable to enter, or if the applicant is rejected by the College, repayment of this deposit will be made upon application by the student to the College Bursar. Check or money order for this amount should be drawn to the Commonwealth of Pennsylvania. The College is not responsible for currency sent in unregistered letters.

C. ADDITIONAL COSTS

1. Student Activity Fee

A student activity fee to be determined by each institution will be collected from all students (except those noted below) and administered under regulations approved by the Board of Trustees through a cooperative organization. This fee will cover

the cost of student activities in athletics, lectures, entertainments, student publications, et cetera. Students taking extension courses or regular session students taking less than seven semester hours may secure the benefits of the activities program by the payment of the student activity fee. This fee, as determined and collected by the Student Activities Association of the State Teachers College at West Chester, is \$12.50 for each semester.

2. Books

Each student purchases his own books. These may be bought at the College Book Store. The cost of books for a student is approximately \$25. each semester.

3. Gymnasium Outfits

A. *Health and Physical Education Students*

- (1.) All Health and Physical Education men students are required to purchase athletic and gym outfits costing approximately fifteen dollars (\$15.) the first semester, fifteen dollars (\$15.) the third semester, and twenty dollars (\$20.) in the student teaching semester.
- (2.) Health and Physical Education women students are required to purchase gym outfits costing approximately thirty dollars (\$30.). This expenditure occurs at the beginning of the first semester.

B. *Elementary, Secondary, and Music Students*

In the first semester of the freshman year all students other than those registered in the field of Health and Physical Education are required to purchase a regulation gym outfit. For the women students this outfit will include a pair of blue shorts, a white shirt, a white sweat shirt, white socks, and canvas tennis shoes. This regulation outfit may be purchased in the stores of West Chester at an approximate cost of ten dollars (\$10.).

For the men students this regulation outfit includes a pair of white shorts, a white T-shirt, white socks, canvas gym shoes, gray sweat pants, and gray sweat shirt. The approximate cost of this gym outfit is fifteen dollars (\$15.).

4. Swimming Suits

A regulation swimming suit must be purchased by each student using the College pool. The cost for a man's suit is approximately \$2.25. The cost for a woman's suit is approximately \$4.

5. Identification Cards

A charge not exceeding fifty cents (\$.50) will be made for Student Identification Cards on the day of registration. Identification cards are used to admit students to college functions sponsored by the Student Activities Association and to the College dining room. Identification cards show each student's photograph, personal data, and rules pertaining to their use. Lost identification cards will be replaced at a cost of one dollar (\$1.).

6. Dues

Each student will pay either a Day Student or Dormitory Council fee of nominal amount which currently is fifty cents (\$.50) per year.

Class dues, which are determined by each class, are payable for each year. For the current year the dues are as follows: Freshmen—\$1.; Sophomores—\$2.; Juniors—\$8.; Seniors—\$10.

D. REPAYMENTS

1. Repayments will be made:

A. In case of personal illness, the same being certified by an attending physician, or for such other reasons as may be approved by the Board of Trustees, the amount of the housing and contingent fees paid by the student for the part of the semester which the student does not spend in college will be refunded.

B. The advance registration deposit will be returned to an applicant provided he notifies the College not less than *three weeks* before the opening of the semester or term of his intention not to attend, or in case the applicant is rejected by the College.

2. Repayments will not be made:

A. To students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the College.

- B. Of the advance registration deposit or any part except where applicants give notice of their intention to withdraw at least *three weeks* before the College opens or when the applicant is rejected by the College.

E. DATE OF PAYMENTS

1955-1956

The College sends out bills for board and room and the contingent fee twice a semester, once at the beginning of the semester, and again at the end of the first half of the semester. This divides the payments per year into four units. If special arrangements other than the above are desired, the student should consult the Bursar of the College.

Checks for the contingent fee and for board and room should be made payable to the COMMONWEALTH OF PENNSYLVANIA.

Payments are due as follows:

Payment in full of all Pre-Session fees	June 6
Payment in full of all Regular Summer Session fees.....	June 27
Payment in full of all Post-Session fees.....	August 8
Payment for the first half of first semester.....	September 12
Payment for the second half of first semester.....	November 7
Payment for first half of second semester.....	January 30
Payment for the second half of second semester.....	April 3

Payment for the entire semester may be made in September and January if desired.

Checks for the STUDENT ACTIVITY FEE should be made payable to the Student Activities Association at West Chester, Pa., at the beginning of each semester.

SUMMARY OF COSTS PER YEAR

I. Elementary or Secondary Education Curriculum:

a. Boarding at the College

Contingent Fee	\$ 90.00
Activity Fee	25.00
Books (approximately)	50.00
Room, board, laundry	432.00
	\$597.00*

b. Day Students—Living at Home

Contingent Fee	\$ 90.00
Activity Fee	25.00
Books (approximately)	50.00
	\$165.00*

* Cost of gymnasium outfits must be added to this total. See page 60 for cost.

2. Health and Physical Education Curriculum:**a. Boarding at the College**

Contingent Fee -----	\$126.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
Room, board, laundry -----	432.00
	\$633.00*

b. Day Students—Living at Home

Contingent Fee -----	\$126.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
	\$201.00*

3. Music Education Curriculum:**a. Boarding at the College**

Contingent Fee -----	\$180.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
Room, board, laundry -----	432.00
	\$687.00*

b. Day Students—Living at Home

Contingent Fee -----	\$180.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
	\$255.00*

* Cost of gymnasium outfits must be added to this total. See page 60 for cost.

CURRICULA OFFERED AT WEST CHESTER

1. Elementary Education Curriculum (see pages 64-65)
2. Secondary Education Curriculum (see pages 66-76)
3. Health and Physical Education Curriculum (see pages 77-79)
4. Music Education Curriculum (See pages 80-81)
5. Degree Curriculum for Dental Hygienists (see pages 82-84)
6. Degree Curriculum for Public School Nurses (see pages 85-86)

1. THE ELEMENTARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching for three years in the kindergarten and grades one to six inclusive, and for grades seven and eight when they are not a part of an approved junior high school or junior-senior high school in Pennsylvania.

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER			SECOND SEMESTER		
	Hours Clock	Sem.		Hours Clock	Sem.
Communications I -----	5	5	Communications II -----	5	5
or English I (3-3)			or English II (3-3)		
and Speech I (2-2)			and Speech II (2-2)		
Professional Orientation --	3	3	**Introduction to Art -----	3	2
Basic Biology -----	4	3	**Introduction to Music ---	3	2
*Physical Education I ----	2	1	Basic Physical Science ----	4	3
World Geography -----	3	3	Health -----	2	2
	—	—	Geography of the United		
	17	15	States and Pennsylvania--	3	3
				—	—
				20	17
				—	—
THIRD SEMESTER			FOURTH SEMESTER		
World Culture I -----	5	5	World Culture II -----	5	5
or General Literature I			or General Literature II		
(2-2)			(2-2)		
and History of Civilization			and History of Civilization		
I (3-3)			II (3-3)		
Music for the Elementary			Audio-Visual Education ---	3	2
Grades -----	2	2	Teaching of Music in the		
*Physical Education II ----	2	1	Elementary Grades -----	4	3
Science for the Elementary			Teaching of Art in the		
Grades -----	3	3	Elementary Grades -----	4	3
Art for the Elementary			*Physical Education III ---	2	1
Grades -----	2	2	Elective -----	2	2
Elective -----	3	3		—	—
	—	—		20	16
	17	16		—	—

- * Physical Education I, II, and III may be individual or group activity.
- ** All or any part of these courses may be scheduled as a part of the unit in World Culture and the corresponding semester hours added to World Culture.
- A student may be given the privilege of taking an examination in any subject matter area for the purpose of securing exemption from taking a course. A student shall be given credit for a course in which he registers and in which he demonstrates competence by a qualifying examination.

FIFTH SEMESTER

	Hours	
	Clock	Sem.
History of the United States and Pennsylvania I -----	3	3
Language Arts in the Elementary Grades -----	9	9
or Teaching of Reading (3-3), Teaching of Language (3-3), and Children's Literature (3-3)		
General Psychology -----	3	3
Teaching of Health -----	3	2
	<hr/>	<hr/>
	18	17

SIXTH SEMESTER

	Hours	
	Clock	Sem.
History of the United States and Pennsylvania II ----	3	3
Child Development -----	3	3
Social Living in the Elementary Grades -----	9	9
or Teaching of Arithmetic (3-3), Teaching of Elementary Science (3-3), and Teaching of Social Studies and Geography (3-3)		
Elective -----	2	3
	<hr/>	<hr/>
	18	18

SEVENTH SEMESTER

American Citizenship -----	6	6
Option 1. Home and Family Living (3-3) and American Government (3-3), or		
Option 2. Introduction to Philosophy (3-3) and American Government (3-3)		
Educational Psychology and Evaluative Techniques ---	3	3
Electives -----	6	6
	<hr/>	<hr/>
	15	15

EIGHTH SEMESTER

Student Teaching and Direction of Student Activities	30	12
Professional Practicum including School Law----	2	2
	<hr/>	<hr/>
	32	14
Total Semester Hours Required for Graduation -----		128

SPECIALIZATION AND ELECTIVES

Students may specialize in Early Childhood, in Intermediate Grade, or in Upper Grade teaching by selecting appropriate electives.

ELECTIVES:	Hours	
	Clock	Semester
Arts and Crafts -----	3	3
Child Adjustment -----	3	3
Child Psychology -----	3	3
Creative Activities in the Elementary School -----	3	3
Creative Art -----	3	3
Creative Design -----	3	3
Diagnostic and Remedial Reading -----	3	3
Harmony I -----	3	3
Harmony II -----	3	3
History and Appreciation of Music -----	3	3
Pre-School Education -----	3	3
Problems in Elementary School Art -----	3	3
School and Community -----	3	3
Speech Development and Improvement -----	3	3
Speech Problems -----	3	3
Teaching the Exceptional Child -----	3	3

Students may also elect courses in academic fields and special curricula offered at the College.

2. THE SECONDARY CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Education and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. This certificate will be valid for teaching specific subjects in an approved secondary school in Pennsylvania for three years. Students are required to choose two areas of specialization. These are indicated on the following pages.

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER			SECOND SEMESTER		
	Hours			Hours	
	Clock	Sem.		Clock	Sem.
Communications I -----	5	5	Communications II -----	5	5
or English I (3-3)			or English II (3-3)		
and Speech I (2-2)			and Speech II (2-2)		
Basic Biology -----	4	3	Basic Physical Science ----	4	3
*Physical Education I ----	2	1	Health -----	2	2
World Geography -----	3	3	Professional Orientation ---	3	3
Elective -----	2	2	Fundamentals of Mathe-		
	—	—	matics -----	3	3
	16	14	Elective -----	2	2
				—	—
				19	18
THIRD SEMESTER			FOURTH SEMESTER		
World Culture I -----	5	5	World Culture II -----	5	5
or General Literature I			or General Literature II		
(2-2)			(2-2) and History of Civ-		
and History of Civil-			ilization II (3-3)		
**Introduction to Art ----	3	2	**Introduction to Music --	3	2
*Physical Education II ----	2	1	*Physical Education III --	2	1
Science in Modern Civiliza-			Electives -----	9	9
tion -----	3	3		—	—
Electives -----	6	6		19	17
	—	—			
	19	17			
FIFTH SEMESTER			SIXTH SEMESTER		
History of the United States			History of the United States		
and Pennsylvania I ----	3	3	and Pennsylvania II ----	3	3
Audio-Visual Education --	3	2	Problems of Secondary Edu-		
General Psychology -----	3	3	cation, including Guidance	3	3
Electives -----	8	8	Educational Psychology and		
	—	—	Evaluative Techniques --	3	3
	17	16	Electives -----	7	7
				—	—
				16	16

- * Physical Education I, II, and III may be individual or group activity.
 ** All or any part of these courses may be scheduled as part of the unit in World Culture. If combined, the semester hours devoted to World Culture will be correspondingly increased.

SEVENTH SEMESTER		EIGHTH SEMESTER		
American Citizenship -----	6	6	Student Teaching and Direction of Student Activities 30	12
Option 1. Home and Family Living (3-3) and American Government (3-3), or			Professional Practicum including School Law --	2
Option 2. Introduction to Philosophy (3-3) and American Government (3-3)				2
Electives -----	10	10		32
	<u>16</u>	<u>16</u>	Total Semester Hours required for Graduation -----	128

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

1. The first field shall require not fewer than thirty (30) semester hours, except the General Field of Science where the requirement is thirty-eight (38) semester hours, and the field of English where the requirement is thirty-five (35) semester hours. The fields included in this recommendation are:

Social Studies, History, Social Science, and Biological Science.

and not fewer than twenty-four (24) semester hours in:

Foreign Languages, Geography, Mathematics, Chemistry, Physics, and Physical Science.

2. The second field shall require not fewer semester hours than the minimum required for certification.

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

AREAS OF SPECIALIZATION

English

(First field 35 Semester Hours; Second field 18 Semester Hours)

	<i>Hours</i>	<i>Clock Semester</i>
REQUIRED—13 semester hours		
*Communications I -----	5	3
or *English I (3-3) and Speech I (2-2)		
*Communications II -----	5	3
or *English II (3-3) and Speech II (2-2)		

* Will count 3 Semester Hours toward certification in English.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
*World Culture I ----- or General Literature I (2-2) and History of Civilization I (3-3)	5	2
*World Culture II ----- or General Literature II (2-2) and History of Civilization II (3-3)	5	2
**Recent Trends in the Teaching of English --	3	3
RESTRICTED ELECTIVES (apply only to first teaching field)		
At least one course must be selected from each of Groups 1, 2, 3, and 4.		
Group 1. SURVEY COURSES		
American Literature -----	3	3
English Literature -----	3	3
American Poetry -----	3	3
American Prose -----	3	3
Children's Literature -----	3	3
Group 2. PERIOD COURSES		
Pre-Shakespearean Literature ----	3	3
Shakespeare -----	3	3
18th Century Literature -----	3	3
The Romantic Movement -----	3	3
Victorian Literature -----	3	3
Group 3. LITERARY FORM COURSES		
Criticism -----	3	3
Modern Drama -----	3	3
The Novel to 1870 -----	3	3
Contemporary Novel -----	3	3
Essay -----	3	3
Contemporary Poetry -----	3	3
Short Story -----	3	3
Literature of Biography -----	3	3
Group 4. COMPOSITION		
Creative Writing -----	3	3
Journalism -----	3	3
Advanced Composition -----	3	3
English Philology and Grammar --	3	3

* World Culture I and II are composite courses. Each course will count 2 Semester Hours toward certification in English.

** Required for a first field; may not be used to satisfy the minimum requirements for a second field.

French

(First field 24 Semester Hours; Second field 18 Semester Hours)

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
REQUIRED—12 semester hours		
*French I -----	3	3
*French II -----	3	3
French III—French Composition -----	3	3
French IV—French Conversation -----	3	3
ELECTIVES		
French V—Survey of Literature -----	3	3
French VI—Survey of Literature -----	3	3
French VII—Advanced Language and Techniques -----	3	3
French VIII—French Classical Drama -----	3	3
French IX—French Literature of the 19th Century -----	3	3
French X—Development of the French Novel	3	3

Latin

To specialize in Latin, students must present not less than two years of secondary school Latin and demonstrate competence to specialize in this field.

(First field not offered; Second field 18 Semester Hours)

REQUIRED—18 semester hours

Latin I—Ovid and Virgil -----	3	3
Latin II—Livy -----	3	3
Latin III—Cicero and Tacitus Selections ----	3	3
Latin IV—Horace -----	3	3
Latin V—Plautus and Terence -----	3	3
Latin VI—Roman Civilization -----	3	3

* Two units of high school French may qualify the student to be exempt from French I and II, but will not count toward the requirements of a teaching field.

Geography

(First field 24 Semester Hours; Second field 18 Semester Hours)

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
REQUIRED—6 semester hours		
World Geography -----	3	3
*Teaching of Geography in Secondary Schools	3	3
 RESTRICTED ELECTIVES (apply only to first teaching field)		
At least one course must be chosen from each of Groups 1, 2, and 3.		
Group 1. EARTH STUDIES		
Climatology -----	3	3
Geology -----	3	3
Meteorology -----	3	3
Physiography -----	3	3
Cartography -----	3	3
 Group 2. ECONOMIC GEOGRAPHY		
Economic Geography -----	3	3
Commercial Air Transportation --	3	3
Conservation of Natural Resources	3	3
Geographic Influence in American History -----	3	3
Trade and Transportation -----	3	3
 Group 3. REGIONAL STUDIES		
Geography of Pennsylvania -----	3	3
Geography of Asia -----	3	3
Geography of Africa and Australia	3	3
Geography of Europe -----	3	3
Geography of the Far East -----	3	3
Geography of Latin America ----	3	3
Geography of the United States and Canada -----	3	3
World Problems in Geography --	3	3
Field Course (as approved) ----	3	3

* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

Mathematics

(First field 24 Semester Hours; Second field 18 Semester Hours)

Students demonstrating competence to specialize in Mathematics will not be required to take Fundamentals of Mathematics.

REQUIRED—18 semester hours	Hours	
	Clock	Semester
College Algebra -----	3	3
Trigonometry -----	3	3
Analytic Geometry -----	3	3
Calculus I (Differential) -----	3	3
Calculus II (Integral) -----	3	3
**Teaching Mathematics in Secondary Schools	3	3
ELECTIVES		
Advanced College Algebra -----	3	3
College Geometry -----	3	3
Spherical Trigonometry and Navigation ----	3	3
Statistics -----	3	3
History of Mathematics -----	3	3
Calculus III -----	3	3
Mathematics of Finance -----	3	3
Field Work in Mathematics -----	3	3

Social Studies

(First field 30 Semester Hours: 15 in History; 15 in Social Science)

REQUIRED—27 semester hours

*World Culture I ----- or General Literature I (2-2) and History of Civilization I (3-3)	5	3
*World Culture II ----- or General Literature II (2-2) and History of Civilization II (3-3)	5	3
History of the United States and Pennsylvania I -----	3	3
History of the United States and Pennsylvania II -----	3	3
American Citizenship ----- or American Government (3-3) and Home and Family Living (3-3); or American Government (3-3) and Introduction to Philosophy (3-3)	6	6

* World Culture I and II are composite courses. Each course will count 3 Semester Hours toward certification in Social Studies.

** Required for a first field; may not be used to satisfy the minimum requirements for a second field.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
Principles of Sociology -----	3	3
Principles of Economics -----	3	3
Teaching of Social Studies in Secondary Schools -----	3	3
ELECTIVES		
History of Europe to 1815 -----	3	3
History of Europe since 1815 -----	3	3
History of Pennsylvania -----	3	3
History of England -----	3	3
Twentieth Century World -----	3	3
Diplomatic History of the United States ----	3	3
International Relations 1919 to Present ----	3	3
History of Latin America -----	3	3
Renaissance to Reformation -----	3	3
History of the Middle East and India ----	3	3
History of the Far East -----	3	3
The United Nations Organization and Functions -----	3	3
Contemporary Social Problems -----	3	3
Contemporary Economic Problems -----	3	3
Municipal Government -----	3	3
State and Local Government -----	3	3
Comparative Government -----	3	3
Consumer Education -----	3	3
Industrial Relations -----	3	3

History

(First field 30 Semester Hours; Second field 18 Semester Hours)

REQUIRED—21 semester hours

*World Culture I ----- or General Literature I (2-2) and History of Civilization I (3-3)	5	3
*World Culture II ----- or General Literature II (2-2) and History of Civilization II (3-3)	5	3
History of the United States and Pennsylvania I -----	3	3
History of the United States and Pennsylvania II -----	3	3

* World Culture I and II are composite courses. Each course will count 3 Semester Hours toward certification in History.

	<i>Clock</i>	<i>Hours</i> <i>Semester</i>
**American Citizenship ----- or American Government (3-3) and Home and Family Living (3-3); or American Government (3-3) and Introduction to Philosophy (3-3)	6	6
**Teaching of Social Studies in Secondary Schools -----	3	3
ELECTIVES		
History of Europe to 1815 -----	3	3
History of Europe since 1815 -----	3	3
History of Pennsylvania -----	3	3
History of England -----	3	3
Twentieth Century World -----	3	3
Diplomatic History of the United States -----	3	3
International Relations 1919 to Present ----	3	3
History of Latin America -----	3	3
Renaissance to Reformation -----	3	3
History of the Middle East and India -----	3	3
History of the Far East -----	3	3
The United Nations Organization and Functions	3	3
Principles of Sociology -----	3	3
Principles of Economics -----	3	3
Social Science		
(First field 30 Semester Hours; Second field 18 Semester Hours)		
REQUIRED—27 semester hours		
*World Culture I ----- or General Literature I (2-2) and History of Civilization I (3-3)	5	3
*World Culture II ----- or General Literature II (2-2) and History of Civilization II (3-3)	5	3
History of the United States and Pennsylvania I	3	3
History of the United States and Pennsylvania II	3	3
American Citizenship ----- or American Government (3-3) and Home and Family Living (3-3); or American Government (3-3) and Introduction to Philosophy (3-3)	6	6

** Required for a first field; may not be used to satisfy the minimum requirements for a second field.

* World Culture I and II are composite courses. Each course will count three Semester Hours toward certification in Social Science.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
Principles of Sociology -----	3	3
Principles of Economics -----	3	3
**Teaching of Social Studies in Secondary Schools -----	3	3
ELECTIVES		
Contemporary Social Problems -----	3	3
Contemporary Economic Problems -----	3	3
Consumer Education -----	3	3
Municipal Government -----	3	3
State and Local Government -----	3	3
Comparative Government -----	3	3
Industrial Relations -----	3	3
The United Nations Organization and Functions -----	3	3

General Field of Science

(First field 38 Semester Hours; No second field)

Students demonstrating competence to specialize in the General Field of Science will not be required to take Basic Biology, Basic Physical Science, or Science in Modern Civilization.

REQUIRED—38 semester hours

Botany I -----	6	4
Botany II -----	6	4
Zoology I -----	6	4
Zoology II -----	6	4
Inorganic Chemistry I -----	6	4
Inorganic Chemistry II -----	6	4
Physics I -----	6	4
Physics II -----	6	4
Teaching of Science in the Secondary School --	3	3
*Earth Science -----	3	3

Biological Science

(First field 30 Semester Hours; Second field 18 Semester Hours)

Students demonstrating competence to specialize in Biological Science will not be required to take Basic Biology.

REQUIRED—19 semester hours

Botany I -----	6	4
Botany II -----	6	4

* To be selected from Geography Group I. See page 70.

** Required for a first field; may not be used to satisfy the minimum requirements for a second field.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
Zoology I -----	6	4
Zoology II -----	6	4
*Teaching of Science in the Secondary School	3	3

RESTRICTED ELECTIVES (apply only to first teaching field)

At least one course must be selected from each group.

Group 1. FIELD COURSES

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

Group 2. LABORATORY COURSES

Vertebrate Anatomy -----	5	3
Physiology -----	5	3
Microbiology -----	5	3
Parasitology -----	5	3
Genetics -----	5	3

Chemistry

(First field 24 Semester Hours; Second field 18 Semester Hours)

Students demonstrating competence to specialize in Chemistry will not be required to take Basic Physical Science.

REQUIRED—17 semester hours

Inorganic Chemistry I -----	6	4
Inorganic Chemistry II -----	6	4
Qualitative Analysis -----	7	3
Quantitative Analysis -----	7	3
*Teaching of Science in the Secondary School	3	3

ELECTIVES

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

* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

Physical Science

(First field 24 Semester Hours; Second field 18 Semester Hours)

Students demonstrating competence to specialize in Physical Science will not be required to take Basic Physical Science.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
REQUIRED—19 semester hours		
Inorganic Chemistry I -----	6	4
Inorganic Chemistry II -----	6	4
Physics I -----	6	4
Physics II -----	6	4
*Teaching of Science in the Secondary School	3	3

ELECTIVES

To be selected from Chemistry, Physics, or **Earth Science.

Physics

(First field 24 Semester Hours; Second field 18 Semester Hours)

Students demonstrating competence to specialize in Physics will not be required to take Basic Physical Science.

College Algebra and Trigonometry are required of those specializing in Physics as a first field.

REQUIRED—11 semester hours		
Physics I -----	6	4
Physics II -----	6	4
*Teaching of Science in the Secondary School	3	3

ELECTIVES

Electricity and Magnetism -----	6	4
Electronics -----	5	3
Heat -----	6	4
Mechanics -----	6	4
Modern Physics -----	5	3
Optics -----	5	3
Sound -----	5	3
Physical Measurements -----	Variable	

* Required for a first field; may not be used to satisfy the minimum requirements for a second field.

** To be selected from Geography, Group I. See page 70.

3. THE HEALTH AND PHYSICAL EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Health Education and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching and supervising Health and Physical Education in the elementary and secondary schools of Pennsylvania for three years.

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER			SECOND SEMESTER		
	Hours			Hours	
	Clock	Sem.		Clock	Sem.
Communications I ----- or English I (3-3) and Speech I (2-2)	5	5	Communications II ----- or English II (3-3) and Speech II (2-2)	5	5
Basic Biology -----	4	3	Professional Orientation --	3	3
World Geography -----	3	3	**Introduction to Art ----	3	2
Hygiene -----	3	3	Chemistry I -----	5	3
Athletics I -----	3	1	Athletics II -----	3	1
Gymnastics I -----	3	1	Gymnastics II -----	3	1
Aquatics I -----	3	1	Aquatics II -----	3	1
	<hr/>	<hr/>		<hr/>	<hr/>
	24	17		25	16
THIRD SEMESTER			FOURTH SEMESTER		
World Culture I ----- or General Literature I (2-2) and History of Civiliza- tion I (3-3)	5	5	World Culture II ----- or General Literature II (2-2) and History of Civiliza- tion II (3-3)	5	5
Chemistry of Nutrition ----	5	3	**Introduction to Music --	3	2
Descriptive Anatomy ----	3	3	General Psychology ----	3	3
Audio-Visual Education --	3	2	Physiology I -----	3	3
Athletics III -----	3	1	Athletics IV -----	3	1
Gymnastics III -----	3	1	Gymnastics IV -----	3	1
Dancing I -----	3	1	Dancing II -----	3	1
	<hr/>	<hr/>		<hr/>	<hr/>
	25	16		23	16
FIFTH SEMESTER			SIXTH SEMESTER		
History of the United States and Pennsylvania I -----	3	3	Educational Psychology and Evaluative Techniques --	3	3
Leadership in Protective Procedures -----	2	2	American Government ----	3	3
Physiology II -----	3	3	School Health Problems ----	3	3
Physical Education Tests --	3	3	Physical Activities for Atypical Children I ----	2	2
Athletics V -----	3	1	Organization and Admin- istration of Physical Education -----	3	3
Athletics VII -----	3	1	Athletics VIII -----	3	1
Gymnastics V -----	3	1	Athletics VI -----	3	1
Elective -----	3	3		<hr/>	<hr/>
	<hr/>	<hr/>		20	16
	23	17			

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

SEVENTH SEMESTER			EIGHTH SEMESTER		
	Hours			Hours	
	Clock	Sem.		Clock	Sem.
Physical Activities for			Student Teaching and Direc-		
Atypical Children II ----	2	2	tion of Student Activities	30	12
Mental Hygiene -----	3	3	Professional Practicum		
Principles of Recreation --	2	2	including School Law --	2	2
Sociology -----	3	3		<hr/>	<hr/>
Introduction to Philosophy	3	3		32	14
Elective -----	3	3			
	<hr/>	<hr/>	Total Semester Hours		
	16	16	Required for Graduation ----	128	

RECREATION LEADERSHIP

For students who desire to prepare as recreation leaders, an elective area is provided.

	<i>Hours</i>	
	<i>Clock</i>	<i>Semester</i>
REQUIRED COURSES—17 semester hours		
*Aquatic Activities I -----	3	1
*Aquatic Activities II -----	3	1
*Athletic Activities V -----	3	1
*Athletic Activities VI -----	3	1
*Dancing I -----	3	1
*Dancing II -----	3	1
*Principles of Recreation -----	2	2
*Leadership in Protective Procedures -----	2	2
Organization and Administration of Recreation	3	3
Supervised Recreation Leadership -----	6	4
	<hr/>	<hr/>
Total -----	31	17

ELECTIVE COURSES—8 semester hours

(to be chosen from two or more of the following fields) :

Arts and Crafts in Recreation -----	3	3
Music in Recreation -----	3	3
Dramatics in Recreation -----	3	3
Camping and Outing -----	3	3
Aquatic Leadership for Teachers -----	3	2

* Health and Physical Education Major students receive credit for these courses since they are required courses for the major field.

**EDUCATION FOR SAFE LIVING (HIGHWAY SAFETY AND
GENERAL SAFETY EDUCATION)**

The standards for certification as approved by the State Council of Education, January 9, 1948, require twelve semester hours *for the extension of a teacher's certificate to include this field.*

The following courses are offered by the College to satisfy the course requirement in this field:

Driver Education and Training-----	3 semester hours
General Safety Education-----	3 semester hours
Organization and Supervision in Safety Education -----	3 semester hours
Methods and Materials in Safety Education -----	3 semester hours
Psychology of Accident Prevention -----	3 semester hours

4. THE MUSIC EDUCATION CURRICULUM

Upon satisfactory completion of the requirements of this curriculum the student will be granted the degree of Bachelor of Science in Music Education and will qualify for a Pennsylvania Provisional College Certificate to be issued by the Department of Public Instruction, Harrisburg, Pa. The certificate will be valid for teaching and supervising music in the elementary and secondary schools of Pennsylvania for three years.

(Sequence of courses subject to change for administrative reasons)

FIRST SEMESTER			SECOND SEMESTER		
	Hours			Hours	
	Clock	Sem.		Clock	Sem.
Communications I -----	5	5	Communications II -----	5	5
or English I (3-3)			or English II (3-3)		
and Speech I (2-2)			and Speech II (2-2)		
Basic Biology -----	4	3	Basic Physical Science		
World Geography -----	3	3	(Acoustics) -----	4	3
Physical Education I			Introduction to Art -----	3	2
(Eurythmics I) -----	2	1	Health -----	2	2
Solfeggio I -----	3	2	Professional Orientation ---	3	3
*Applied Music -----	6	2	Solfeggio II -----	3	2
	—	—	*Applied Music -----	6	2
	23	16		—	—
				26	19
THIRD SEMESTER			FOURTH SEMESTER		
World Culture I -----	5	5	World Culture II -----	5	5
or General Literature I			or General Literature II		
(2-2)			(2-2)		
and History of Civiliza-			and History of Civiliza-		
tion I (3-3)			tion II (3-3)		
Physical Education III ----	2	1	Physical Education II		
Solfeggio III -----	3	2	(Eurythmics II) -----	2	1
Theory of Music I -----	5	4	Audio-Visual Education ---	3	2
Conducting I (Choral) ----	3	1	Theory of Music II -----	5	4
Survey of Music Literature--	2	1	Conducting II		
*Applied Music -----	9	3	(Instrumental) -----	3	1
	—	—	*Applied Music -----	9	3
	29	17		—	—
				27	16
FIFTH SEMESTER			SIXTH SEMESTER		
	Hours			Hours	
	Clock	Sem.		Clock	Sem.
History of the United States			Educational Psychology and		
and Pennsylvania I ----	3	3	Evaluative Techniques ---	3	3
General Psychology -----	3	3	Theory of Music IV -----	3	3
Theory of Music III -----	3	3	History of Music II -----	3	3
History of Music I -----	3	3	Methods II (Secondary) --	3	2
Methods I (Elementary) --	4	3	*Applied Music -----	9	3
*Applied Music -----	9	3		—	—
	—	—		21	14
	25	18			



CAMPUS VIEW

SEVENTH SEMESTER	
American Citizenship -----	6 6
Option 1. Home and Family Living (3-3) and American Government (3-3), or Option 2. Introduction to Philosophy (3-3) and American Government (3-3)	
Methods III (Instrumental)	3 2
Orchestration -----	3 2
*Applied Music -----	3 1
Music (elective) -----	3 3
(Counterpoint, Advanced Har- mony, Composition, American Music, or Class Piano Meth- ods)	
	— —
	18 14

EIGHTH SEMESTER	
Student Teaching and Direc- tion of Student Activities--	30 12
Professional Practicum including School Law----	2 2
	— —
	32 14
Total Semester Hours	
Required for Graduation----	128

5. DEGREE CURRICULUM FOR DENTAL HYGIENISTS

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

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

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

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

	<i>Semester Hours</i>
A. EDUCATION -----	11
(1) Professional Orientation -----	3
(2) General Psychology -----	3
(3) Educational Psychology and Evaluative Techniques -----	3
(4) Audio-Visual Education -----	2
B. GENERAL EDUCATION -----	41
(1) Communications I or English I (3-3) and Speech I (2-2) -----	5
Communications II or English II (3-3) and Speech II (2-2) -----	5
(2) Fine Arts -----	4
a. Introduction to Art -----	2
b. Introduction to Music -----	2
(3) Geography -----	6
a. World Geography -----	3
b. Geography of the United States and Canada -----	3
(4) World Culture I or General Literature I (2-2) and History of Civilization I (3-3) -----	5
World Culture II or General Literature II (2-2) and History of Civilization II (3-3) -----	5
(5) Social Studies -----	11
a. American Government -----	3
b. Economics -----	3
c. History of the United States and Pennsylvania -----	3
d. Sociology -----	2
C. ELECTIVES -----	12
Total -----	64

* Bulletin 644, 1950; Rules and Regulations for Applicants for Admission to Examination for Licensure to Practice Dentistry and Dental Hygiene and Examination Procedures.

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

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

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

Application for Admission

A dental hygienist who desires to enroll in the Degree Curriculum for Dental Hygienists should write for application blanks and information to the Registrar, State Teachers College, West Chester, Pa.

Resident Requirements

A minimum of 32 semester hours of resident credits is required for graduation. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

SUMMARY OF COSTS PER YEAR

For Students Enrolled in the Degree Curriculum for Dental Hygienists

I. Full-time Students—

A. Boarding at the College

Contingent Fee -----	\$ 90.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
Room, board, laundry -----	432.00
	<hr/>
	\$597.00

B. Day Students—Living at Home

Contingent Fee -----	\$ 90.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
	<hr/>
	\$165.00

II. **Part-time students** pay at the rate of \$7.50 per semester hour of credit. Students are classified as part-time when they are registered for less than 14 credits.

III. **Dental Hygienists** are required to pay senior class dues. These entitle one to a photograph and personal write-up in the *Serpentine* and the privilege of participating in all senior activities.

For costs during summer sessions, see page 146 or the **Summer Sessions Bulletin**.

6. DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

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

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

A. COURSES RELATED TO PUBLIC NURSING	<i>Semester Hours</i>
Public School Nursing -----	2
Public School Organization -----	2
Public Health Nursing -----	6
Nutrition and Community Health -----	2
Family Case Work -----	3
TOTAL -----	15
B. GENERAL AND PROFESSIONAL EDUCATION	
History of the United States and Pennsylvania -----	3
Communications -----	5
World Culture -----	5
American Government -----	3
Professional Orientation to Education -----	3
Educational Psychology and Evaluative Techniques ----	3
Audio-Visual Education -----	2
TOTAL -----	24
C. ELECTIVES -----	6
GRAND TOTAL -----	45

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

Electives may be chosen with the approval of the Dean of Instruction from any field or curriculum offered at the college.

Application for Admission

A registered nurse who desires to enroll in the Degree Curriculum for Public School Nurses should write for application blanks and information to the Registrar, State Teachers College, West Chester, Pa.

Resident Requirements

A minimum of 32 semester hours of resident credits is required for graduation. Resident credits may be earned in day, evening, and Saturday classes which are offered on campus or approved by the college administration.

SUMMARY OF COSTS PER YEAR

For Students Enrolled in the Degree Curriculum for Public School Nurses

I. Full-time Students—

A. Boarding at the College

Contingent Fee -----	\$ 90.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
Room, board, laundry -----	432.00
	\$597.00

B. Day Students—Living at Home

Contingent Fee -----	\$ 90.00
Activity Fee -----	25.00
Books (approximately) -----	50.00
	\$165.00

II. **Part-time students** pay at the rate of \$7.50 per semester hour of credit. Students are classified as part-time when they are registered for less than 14 credits.

III. **Public School Nurses** are required to pay senior class dues. These entitle one to a photograph and personal write-up in the *Serpentine* and the privilege of participating in all senior activities.

For costs during summer sessions, see page 146 or the Summer Sessions Bulletin.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania, 1953, Section 1202.

State Certificates.

State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach.

A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages.

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pa.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach and supervise the special subject in both elementary and secondary schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of the Commonwealth of Pennsylvania under the Provisional College Certificate and the satisfactory completion of six semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional and the remainder related to the subject or subject fields on the certificate. This certificate is then a permanent license to teach in Pennsylvania.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing thirty semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. At least one course in each of the following must be included: art, music, and health.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the standards required for the original issue of a Secondary certificate.

A student who has qualified for an elementary certificate will have completed the required Professional Orientation, Educational Psychology, and certain academic credits. Additional work will be required to meet the following standards:

- a. Eighteen semester hours of approved academic work in each subject to be written on the certificate;
- b. Secondary Education—six semester hours;
- c. Student Teaching on the Secondary level—six semester hours.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, the Dean of Instruction should be consulted.

Teachers in Service

The following conditions apply only to those persons who have taught in Pennsylvania public schools prior to July 1, 1922. (No credit will be allowed toward the completion of the entrance requirements or the regular normal school course for teaching done after July 1, 1922).

The sixteen units of high school work required for entrance to the State Teachers College may be earned in approved high schools,

summer schools, extension classes, correspondence study in institutions approved by the Department of Public Instruction in accordance with the following amendments:

After January 1, 1931, not more than the equivalent of three years of high school credit or fifty-four counts, may be earned by passing subjects in Pre-professional Examinations. This does not apply to persons who have been assigned some credit prior to January 1, 1931. This means that persons applying for credit for the equivalent of a four-year high school course after January 1, 1931, must have credit for at least one year of approved work in an accredited school.

Entrance and college credits based on teaching experience have not been granted since September 1, 1927.

Credit for student teaching other than that done under the direction of the College will not be approved.

Credit toward entrance or toward graduation with a degree will not be allowed for experience in teaching.

DESCRIPTION OF COURSES BY DEPARTMENTS

Not all of the courses listed will be offered in any one semester or year. Whenever the demand warrants the giving of a course, an effort will be made to schedule it. In some cases, certain courses will be given one semester or year and others will be given the following semester or year, thus setting up a pattern of alternating courses.

ART DEPARTMENT

MR. HALLMAN, *Head of the Department.* Miss Lamborn, Mr. McKinney.

Introduction to Art *2 semester hours*

A required course for all curricula. Art as a vital part of contemporary living. Art of other ages given consideration as a basis for interpreting the present.

Art for the Elementary Grades *2 semester hours*

Provides opportunity for the student to develop his powers of self-expression; to have experience in the use of the fundamental elements and principles of art structure as they relate to two-dimensional expression, e.g., in the use of chalk, crayon, paint, etc.; to discover the relationship between his creative experiences and the art program for the elementary school; to provide a basis for an understanding and evaluation of children's work.

Teaching of Art in the Elementary Grades *3 semester hours*

A continuation of Art for the Elementary Grades providing art experiences involving the use of a variety of manipulative materials and activities concerned with structural and decorative design. Included are the designing and creation of objects using materials such as clay, paper, wood, cardboard, etc., into functional attractive articles. Here, also, emphasis is put on understanding the art program of the elementary school.

Problems in Elementary School Art *3 semester hours*

An advanced course designed to develop a basic understanding of the implications of art as an integral part of general education, and to provide opportunity to develop a complete program of art in a school situation. It is intended to aid the elementary teacher to provide better instruction in art with or without the aid of a supervisor of art. Prerequisites: Art for the Elementary Grades and Teaching of Art in the Elementary Grades.

Arts and Crafts*3 semester hours*

A course providing opportunity for creative activity in the arts and crafts. Special emphasis given to camp, playground, or recreational needs.

Creative Art*3 semester hours*

An elective course which aims to develop expression in drawing, painting, or other art activity. Activities arranged with regard to the individual interests of the student. No prerequisites.

Creative Design*3 semester hours*

An elective course planned to develop judgment and creative power in problems of abstract and decorative design. No prerequisites.

EDUCATION DEPARTMENT

DR. CRESSMAN, *Head of the Department*

Dr. Sykes, Mr. Davison, Dr. Bonder, Dr. Ross, Dr. Evans, Mr. Patterson, Mr. Childers, Dr. Woodlen, Mr. Godlove, Mrs. Dowland, Mrs. Haas, Mr. Bowers, Dr. Gregg, Dr. Weagley.

Professional Orientation*3 semester hours*

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

Audio-Visual Education*2 semester hours*

Consideration of the need for sensory techniques and materials in the learning process with attention given to the psychological principles involved. Acquaintance with and achievement of skills in specific techniques, materials, and equipment. Activities will include actual production of materials for classroom use and participation in their use.

Introduction to Philosophy*3 semester hours*

An introduction to philosophy with emphasis upon current and pertinent problems. An historical survey of the contributions of outstanding ancient and modern philosophies. Especial attention is given to ethical implications.

Problems of Secondary Education**Including Guidance***3 semester hours*

This course will be concerned with the presentation and solution of many problems likely to be encountered by the teacher in the secondary schools of today and tomorrow. The following topics will be among those considered: the secondary school population, the school and the community, the curricular and co-curricular programs, class room management, guidance, individual differences, evaluating pupil progress. The work of the class will involve textbook assignments, class discussions, lectures, reports, and field trips.

Vocational Guidance and Counselling*3 semester hours*

A study of the techniques for analyzing the interests, aptitudes, and abilities of children and the methods for guiding them in making sound vocational choices.

Information will be gathered and studies made regarding a wide variety of occupational and professional areas.

Ethics*3 semester hours*

The course in ethics is concerned with the development of principles of right conduct and practical systems of social morality. It has to do with the human values and the development of moral standards both for the individual and society. Basically it seeks answers to such moral problems as the following: What conduct shall we choose and from what shall we refrain? What shall we fight for and what against? The methods used will involve lectures, discussions, readings, and reports.

Marriage and the Family*1 semester hour*

A highly personalized course in preparation for marriage, based upon the needs and desires of the students enrolled. Courtship and the problems involved in choosing a mate, marriage predictive tests and their use, anatomical, physiological, and medical aspects of marriage, emotional attitudes and adjustments involved, family economics, and the legal aspects of marriage.

Student Teaching and Direction**of Student Activities***12 semester hours*

Observation and participation in all teaching and activities related to the performance of a teacher's work, in the area of the student's specialization.

Professional Practicum Including School Law *2 semester hours*

Methods and practices of teaching; general techniques of teaching and techniques for the students' special fields; Pennsylvania school laws relevant to the work of the classroom teacher; problems encountered by the students in their student teaching.

Elementary Education**Child Adjustment***3 semester hours*

Application of the principles of mental hygiene to the problems of elementary school children in home, schools, and community; study of special agencies concerned with child welfare: clinics, social agencies, juvenile courts, etc.

Child Development*3 semester hours*

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

Creative Activities in the Elementary School *3 semester hours*

Consideration of the guidance of children in creative learning and expression. Emphasis upon the child's needs to discover creative interests and upon the development of skills and refinements of taste needed for rich experience in art, music, and literature.

Diagnostic and Remedial Reading*3 semester hours*

Acquaintance with recent research in the field of reading to acquaint students with problems and needs common to incompetent readers and with the most successful materials and techniques for dealing with such problems. Demonstration and practice in testing, planning, and directing remedial programs with groups and individuals. Prerequisite: Teaching of Reading.

Language Arts in the Elementary Grades*9 semester hours*

Preparation of teachers for the development of the child's abilities in oral and written communication. Provides knowledge of the nature of reading processes and materials of instruction. Essential techniques and materials of language, including handwriting and spelling, to teach the child knowledge and skills in the fundamentals

of oral and written communications. Children's Literature is explored to acquaint the prospective teacher with appropriate materials.

Pre-School Education*3 semester hours*

Study of pre-school and kindergarten children, of nursery school and kindergarten programs, materials, equipment and procedures, records and reports. Laboratory school experiences supplement reading and discussion of acceptable standards and teaching practices. Prerequisite: Child Development.

School and Community*3 semester hours*

Study of group and intergroup activities and the role of the individual in the group; of community interests, needs, resources and problems; of teacher responsibility in community activities: professional, social, civic, religious, and political. Student participation in community activities is stressed.

Social Living in the Elementary Grades*9 semester hours*

The techniques of the teaching of children to achieve basic concepts and skills in mathematics, science, geography, economics, sociology, and history and the survey of instructional materials and the curriculum in these areas. Ways of developing meaningful experiences in each area and ways of organizing content into social living units will be stressed.

Teaching of Arithmetic*3 semester hours*

The various processes and operations needed in the arithmetic of the elementary school are carefully analyzed so that the students may see just what must be taught and what problems and difficulties are likely to be encountered as this work is presented; suggestions for meeting these problems and for preventing or correcting common arithmetical deficiencies.

Teaching of Elementary Science*3 semester hours*

Methods of presenting science in each grade of the elementary school and with the important scientific facts and principles that should be taught in each grade. Stressed are field work, collection of materials, special techniques, and demonstrations to adapt elementary science to local conditions. Elementary science syllabi of several states and cities are studied. Evaluations of elementary science texts and pamphlets now available for each grade.

Teaching of Language*3 semester hours*

Survey of the content of the curriculum in English in the elementary grades; methods of teaching oral and written composition, principles of grammar, poetry, and literature. The teaching of handwriting is part of this course.

Teaching of Reading*3 semester hours*

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

**The Teaching of Social Studies
and Geography***3 semester hours*

A course designed to acquaint students with up-to-date methods of teaching social studies and geography as an integrated program in the new elementary curriculum. It is a survey of methods and techniques, stressing the profitable use of community affairs and resources, and the development of good civic attitudes in social living. It considers techniques in the use of maps, specimens, pictures, and other tools of learning which are of special value in social studies and geography. The course gives actual experience in the analysis of current events, the organization of projects and field trips, and the development of units of work with respect to the various grade levels in the elementary school.

Teaching the Exceptional Child*3 semester hours*

The study of atypical children who need help in order to adjust and succeed to the extent of their capacity. Students are guided in recognizing, understanding, and dealing with the additional needs of the superior child and the mentally, physically, or emotionally handicapped child. The selection, construction, and adaptation of learning aids and materials.

Psychology**General Psychology***3 semester hours*

A comprehensive study of the origins, motives, and modifications of human behavior with emphasis on the scientific approval in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing

human living. Attention is given to the simpler techniques in psychological experimentation.

Educational Psychology and

Evaluative Techniques

3 semester hours

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

Child Psychology

3 semester hours

This course is concerned with the study of the development of the child from birth to the adolescent years. The physical, environmental, and psychological factors that condition the child's development are considered and the factors leading to abnormal development and behavior problems, as well as factors contributing to the normal development of the child, are given special attention. Prerequisite: General Psychology.

Mental Hygiene

3 semester hours

This course attempts to analyze the individual from several standpoints according to the principles of mental hygiene. The practical phase of the course is application of these principles to the individual problems of adjustments to the school and society. Prerequisite: General Psychology.

ENGLISH AND FOREIGN LANGUAGES DEPARTMENT

DR. SLAGLE, *Head of the Department*

Miss Tyson, Miss Geyer, Miss Clark, Miss Ramsey, *Miss Barrer, Mr. Thomas, Dr. Berry, Mr. Clokey, Dr. Binney, Mr. Landrum, Mrs. Sevier, Miss Ortlip, **Mrs. Jamison.

Communications I

5 semester hours

A study of communications providing both vicarious and direct development of abilities for personal expression. Extensive practice in reading, speaking, and writing in language and form appropriate to social and professional situations, and instruction in the use of formal and informal discussion techniques. Library usage, taught by a member of the library staff, orients the student to the resources and use of the college library.

* Leave of absence, first semester.

** Substitute, first semester.

PHILIPS MEMORIAL
BUILDING

OLD
MAIN

OLD GYM

FRANCIS HARVEY GREEN
LIBRARY

DEMONSTRATION
SCHOOL

FRESHMAN
HALL

ANDERSON
HALL

AIR VIEW OF MAIN CAMPUS



Communications II*5 semester hours*

A second semester's work in communications including the refinement and extension of skills and techniques of Communications I, with special emphasis on the basic reading, speaking, and writing skills appropriate to the various fields of learning. Practice in parliamentary procedures for adult participation in American democracy. Prerequisite: Communications I.

World Culture I and II*10 semester hours*

An integrated survey course presenting the origin, development, and influence of the governmental and social organization, economic activity, religious belief and practice, literature, and fine arts as they have contributed to our modern civilization. It deals with broad, sweeping movements rather than details of the individual state or nation. Four semester hours will be allowed for World Culture I and II toward certification in English.

Recent Trends in the Teaching of English**(Secondary)***3 semester hours*

A review of the content of language-arts requirements of the secondary school, with special reference to grade-placement with adaptation of materials, appraisal of results, and the development of programs of study.

English Composition**English I***3 semester hours*

Review of grammar in detail, analysis of construction, functional practice, remedial drill in punctuation, spelling, and mechanics of English; vocabulary study. Writing of brief compositions and analysis for structural faults and error in diction. Library Usage, separate unit additional to English I, is introduction to use of the library taught by a member of the college library staff.

English II*3 semester hours*

Study and application of the laws of composition; methods and types of exposition; description and narration; paragraph and theme writing; analysis of literary samples; book reviewing; outlining; assembling bibliography. Continued functional practice in mechanics. Prerequisites: English I.

Advanced Composition*3 semester hours*

Advanced experience in writing through the preparation of reviews, digests, and critical reports, employing expository, descriptive, and argumentative techniques.

English Philology and Grammar*3 semester hours*

A course introducing students to the historical study of the development of modern English and the discernible trends in language today through the use of the exercises in phonetics, etymology, and dictionary usage.

Journalism*3 semester hours*

The organization, management, and supervision of the content of school publications, the preparation of school publicity materials, and the development of journalistic style through practical participation in journalistic activities.

Creative Writing*3 semester hours*

An advanced course for students of marked ability in the creative processes of writing. The course aims to develop creative ability, to improve the student's own style, and to furnish methods and materials for the teaching of composition in the secondary schools.

Literature**General Literature I and II***4 semester hours*

An introduction to literature providing opportunities for both wide and extensive reading that will familiarize students with the development of human thought as it has found expression in the recognized literary masterpieces.

English Literature*3 semester hours*

English Literature surveyed from Anglo-Saxon times to the present, with emphasis on recognized masterpieces. Two basic aims: (1) to develop broader knowledge of the growth of English Literature and its relation to historical movements, and (2) to provide wide reading for more intelligent appreciation.

American Literature*3 semester hours*

A survey of representative American writings from Colonial times to the present. Particular attention is given those writings which best exemplify democratic ideals and national character.

American Poetry*3 semester hours*

An examination of the nature, form, and function of verse as exemplified by representative American poets, with particular reference to social backgrounds and national ideals.

American Prose *3 semester hours*

A study of the development of national ideals as expressed by representative prose masterpieces, with extensive critical reading in current periodical as well as intensive study of great works of the past.

Children's Literature *3 semester hours*

An introduction to important children's books, old and new, and to techniques for the presentation of book material. This course encourages wide reading of juvenile literature and provides criteria for and experience in the evaluation of children's books.

Pre-Shakespearean Literature *3 semester hours*

A study of the cultural background of the English-speaking race, its folk-ways, legends, balladry, and history, particularly, as reflected in *Beowulf*; the Arthurian cycle, Chaucer, and Spenser.

Shakespeare *3 semester hours*

A study of selected comedies, tragedies, and histories by Shakespeare, together with the social, historical, and literary background necessary for their full appreciation. Particular reference to those plays most frequently included in secondary school curriculums.

Eighteenth Century Literature *3 semester hours*

A critical consideration of significant eighteenth-century writers with emphasis upon the struggle between tradition and revolt as reflected in the works of the representative writers of the period.

The Romantic Movement *3 semester hours*

A study of Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries in the light of social background and biographical and critical doctrine.

Victorian Literature *3 semester hours*

A study of Victorian culture as the reflection of conflict and compromise through its interpretations by poets and essayists of the period with particular reference to the writing of Ruskin, Newman, Mill, Huxley, Arnold, Tennyson, and Browning.

Criticism *3 semester hours*

An historical study of literary criticism and aesthetic theory, with emphasis upon romanticism and classicism of critical canon.

Modern Drama*3 semester hours*

A comprehensive view of the best dramatic literature of modern European, American, and British theatre since 1890 presented through lectures, discussions, and experiences related to the contemporary stage.

Play Production*3 semester hours*

A fundamental course in the theory and practice of acting and directing experiences designed to stimulate the cultural and social development of the student and to aid the prospective teacher who will be called upon to produce plays. It contains text material in technique, reading and discussion of examples of dramatic literature, and laboratory practice in life study, pantomime, interpretation of lines, and the production of one-act plays.

The Novel to 1870*3 semester hours*

A study of the rise and development of the novel in English from its predecessors of the eighteenth century to Hardy and Mark Twain. A selected list of novels is assigned for analysis with a view to cultivating an appreciation of this dominant literary form.

Contemporary Novel*3 semester hours*

A study of modern and contemporary movements in fiction, based on the critical reading and analysis of English and American novels published since 1870.

Essay*3 semester hours*

A study of the history and development of the essay as a distinctive literary form, together with readings in current periodical non-fiction, and provision for opportunities for self-expression through writing.

Contemporary Poetry*3 semester hours*

An examination of representative poetry published since 1870 in both England and America and a study of forms, aspects, and tendencies in contemporary verse, with particular reference to poetry as a criticism of modern life.

Short Story*3 semester hours*

A study of the development of the short story as a distinct and popular current literary form through its history and technique. Recent tendencies are investigated and wide reading in current periodicals is encouraged.

Literature of Biography *3 semester hours*

A study of the historical development of biographical writing with readings from Plutarch, Boswell, Carlyle, Macaulay, Strachey, Bradford, Ludwig, and standard and contemporary biographers.

Dramatics in the Elementary Grades *3 semester hours*

A course dealing with the techniques of dramatic-play, dramatization, and play production. It includes discussion of the educational principles underlying the choice of the form to be used with children in the kindergarten and elementary grades.

Speech**Speech I** *2 semester hours*

Study and application of fundamental principles of effective speaking; training in selection, organization, and development of material suitable for speeches; recording and analysis of voice; emphasis on personality adjustment as related to speaking-listening situations; diacritical marking and vocabulary building.

Speech II *2 semester hours*

A continuation of Speech I with special emphasis on group discussion and parliamentary procedure; expository, narrative, and descriptive material; speeches for special occasions; and interpretative or choral reading.

Speech Problems *3 semester hours*

A course introducing students to the various speech problems common to children in the elementary school. Emphasis is placed upon remedial techniques. The study of materials, methods, and techniques used by the classroom teacher in improving the speech of all children.

Choral Speaking *3 semester hours*

Choral speaking aims, through the communal voicing of poetry, to stimulate appreciation, interpretation, and artistic expression of poetry; to demonstrate the educational and social value of unison speech; and to train choral leaders in the techniques of choir conducting and in the selection and treatment of materials.

French

French I and II—French Civilization *6 semester hours*

A course designed to give a broad understanding of the French language, life, and culture. Functional language is taught through conversation, records, and easy reading texts.

French III—French Composition *3 semester hours*

A review of the essential principles of grammar and idiomatic usage. Extensive reading of modern representative prose forms the basis for continuous oral and written practice. Prerequisites: French I and II or two years of secondary school French.

French IV—French Conversation *3 semester hours*

Training in oral self expression through vocabulary building and oral exercises based on material dealing with French life and customs. Prerequisites: French I and II or two years of secondary school French.

French V—Survey of Literature *3 semester hours*

The development of the main currents of French literature from its origins through the seventeenth century by means of reading and interpretation of selected texts. Prerequisites: French III and IV.

French VI—Survey of Literature *3 semester hours*

A study of men and ideas of the eighteenth century through the analysis of texts, outside reading, and reports. Prerequisites: French III and IV.

French VII—Advanced Language and Techniques *3 semester hours*

French phonetics and literary style from the standpoint of practical applications to French language teaching. Prerequisites: French V and VI.

French VIII—French Classical Drama *3 semester hours*

The masterpieces of Corneille, Moliere, and Racine are read after a consideration of the early history of the drama. Prerequisites: French V and VI.

French IX—French Literature of the Nineteenth Century *3 semester hours*

The development of romanticism, realism, and naturalism and the movements of reaction in poetry, drama, and the novel. Prerequisites: French V and VI.

French X—Development of the**French Novel***3 semester hours*

Representative novels from the eighteenth, nineteenth, and twentieth centuries read and discussed in the native language. Prerequisites: French V and VI.

Latin

To specialize in Latin, students must present not less than two years of secondary school Latin and demonstrate competence to specialize in this field.

Latin I—Ovid and Virgil*3 semester hours*

A course combining the study of Ovid with a review of mythology and including a study of the meter of Ovid and Virgil and Latin pronunciation. A unit in structure is planned to review forms and syntax and to afford an opportunity for the discussion of the methods of presenting the essentials of Latin grammar to high school students.

Latin II—Livy*3 semester hours*

A short review of Roman military tactics as seen in the Punic and Gallic wars; this course also presents various methods of teaching vocabularies.

Latin III—Cicero and Tacitus*3 semester hours*

Based upon Cicero's "De Amicitia" and "De Senectute" and selections from Tacitus, this course entails a presentation of Roman philosophical systems, Roman religious customs, and Roman training for public life. The type of assignment varies from day to day in order that the course may offer definite ideas for the handling of reading material in high schools.

Latin IV—Horace*3 semester hours*

A course emphasizing the influence of Horace upon world literature and including an analysis of Sapphic and Alcaic verse forms. The readings form the point of departure for a thorough study of Roman private life and social customs.

Latin V—Plautus and Terence*3 semester hours*

In connection with this introduction to Latin drama, the course includes a special study of Roman amusement, holidays, and dress. Once a week an hour is devoted to the discussion of current magazine articles on modern methods of teaching Latin and to special reports from student teachers.

Latin VI—Roman Civilization*3 semester hours*

A survey course concerning the development of Latin literature from its origin, but placing emphasis only on those authors not previously read: Lucretius, Catullus, Martial, Tacitus, Juvenal, Pliny. A unit in methods consisting of a discussion of text books for high schools and the preparation of biographical material on the teaching of Latin.

GEOGRAPHY DEPARTMENT

MR. KEINARD, *Head of the Department*; Dr. Mewha, Mr. Hawthorne.

World Geography*3 semester hours*

A course to develop a knowledge and appreciation of patterns of the natural environment throughout the world such as patterns of climate, soil, vegetation, and man's adjustment to them, with special emphasis upon man's economic and cultural responses.

Climatology*3 semester hours*

A course primarily concerned with the climatic regions of the earth, and the limitations and advantages they offer for man's occupation. The course is a valuable aid to students in world problems. Prerequisite: World Geography.

Geology*3 semester hours*

A course dealing with landscapes in their relation to the structure of the earth's crust, and the work of earth forces and their effects on materials, structure, and physiography of the earth's surface features. Course work includes field work, study of rocks, minerals, and topographic maps.

Meteorology*3 semester hours*

Meteorology is a study of the atmosphere. This course analyzes the laws and underlying principles of atmospheric changes. An opportunity is given for students to become familiar with common weather instruments, to read and interpret weather maps, to observe and record weather data, and discuss problems arising from the use of the atmosphere as a medium of travel and transportation. Prerequisite: World Geography.

Physiography*3 semester hours*

A study of various land forms, soils, and minerals; their origin, their changes, and their relation to man. Prerequisite: World Geography.

Cartography *3 semester hours*

A course designed primarily to enable the geography major to attain proficiency in the use and interpretation of maps, models, globes, cartograms, and geographic diagrams. Selected map projections approached from the geographical rather than the mathematical point of view. The history of maps, the development of signs, symbols, and map scales, the construction of projections, graphs, and diagrams, and the application of each of these to the teaching of geography. Prerequisite: World Geography.

Economic Geography *3 semester hours*

Develops an understanding of world patterns of producing and consuming regions, population distribution, and world trade routes and the related natural factors. It also deals with the application of this information on securing a fundamental understanding of national and international problems.

Commercial Air Transportation *3 semester hours*

A course covering development of commercial aviation. Policies such as governmental agreements, subsidies, control and use of air bases, the importance of Polar regions, and the Great Circle air routes are considered. Prerequisite: World Geography.

Conservation of Natural Resources *3 semester hours*

A course dealing with the present problems in the conservation of our natural resources of land, water, plant, animal life, and mineral deposits, ways of solving these problems, and the wise use of these resources.

Geographic Influences in**American History***3 semester hours*

A study of the relationship of the natural geographic factors in the settlement, development, and progress of various countries—with the major emphasis placed upon the United States. Prerequisites: World Geography and Geography of United States.

Trade and Transportation*3 semester hours*

A study of transportation routes, ports, railroad centers, hinterlands, and trade relations between production areas and countries.

Geography of the United States**and Pennsylvania***3 semester hours*

A comprehensive treatment of the adjustment of the people of Pennsylvania and the United States to the physical factors—struc-

ture, relief, climate, vegetation, soils, and natural resources—which help to explain the distribution of population, land use, products, and trade within the United States and with other parts of the world. Prerequisite: World Geography.

Geography of Pennsylvania *3 semester hours*

A regional study of Pennsylvania, emphasizing man's cultural and economic responses to environmental factors. Special attention is given to the resources of the state, analyzing their extent, their use, and need for their conservation, and the regional planning program for the Commonwealth.

Geography of Asia *3 semester hours*

A course comprising a study of the major geographic regions of the Soviet Union, Southwestern Asia, and India. Special emphasis is placed on the natural resources and their use, the peoples—their number and distribution, their cultural and recent cultural changes, strategic areas, and related political problems.

Geography of Africa and Australia *3 semester hours*

A regional study of Africa, Australia, and the neighboring islands showing the economic and social development of the regions of these lands and their relationship to the physical environment and the political affiliations of these lands with other countries. The geographic aspects of the problems of colonies, land tenure, race, future land use, and the strategic importance of Africa are considered. Prerequisite: World Geography.

Geography of Europe *3 semester hours*

A course which aims to help students acquire an ability to look for, find, and apply the geographic relationships underlying land uses, dominant international problems, and boundary disputes, thus enabling students to obtain an unbiased understanding of the economic problems of Europe. The Soviet Union is not included in this course. Prerequisite: World Geography.

Geography of the Far East *3 semester hours*

A study of Japan, China, the Philippines, Southeastern Asia, and the East Indies and an intensive investigation of the natural factors and man's adjustment to them in the geographic, economic, and political regions of Eastern Asia. The geographic background needed in planning solutions for raising standards of living, for the

wise use and restoration of natural resources, and the industrialization of countries is presented. Prerequisite: World Geography.

Geography of Latin America *3 semester hours*

A regional study is made of Middle and South America. Special emphasis is given to regional differences and similarities. Latin American relations with other nations, especially with the United States, are stressed. Prerequisite: World Geography.

Geography of United States and Canada *3 semester hours*

A regional study of the United States and Canada relative to man's adjustments to his environment as determined by the physical factors of climate, vegetation, relief, and soils. Recognition of the political adjustments to the geographic environment and the inter-relations between the two countries and the rest of the world. Prerequisite: World Geography.

World Problems in Geography *3 semester hours*

A course considering some of the world problems which need a geographic background for understanding and solving them. Attention is given to boundary questions, the value and control of colonies, fishery agreements, problems concerning commercial aviation, world trade, the feeding of the world, control and development of natural resources, the making of the peace, and similar topics. Prerequisite: World Geography.

Field Courses in Geography (as approved) *3 semester hours*

These courses, which involve the study of selected areas through the agency of travel and actual investigation, are arranged from time to time to suit the needs of the student groups. Prerequisites: World Geography.

Teaching of Geography in

Secondary Schools

3 semester hours

An intensive study of the modern techniques of teaching geography, geography materials, and current curricula in geography. Emphasis is placed upon the contribution of geography to the solving of national and world problems; the skills, habits, and attitudes to be gained from geography courses in the junior and senior high schools which aid in the development of world citizenship, the courses suitable for such groups, and the new books available at this level.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

DR. STURZEBECKER. *Head of the Department*

Mr. Waters, Miss Wade, Miss Schaub, *Miss Leach, Mr. Messikomer,
Miss Yanisch, Mr. Davis, Miss Landis, Mr. Twardowski, Mr. Reese,
Miss Margerum, Miss Reed, Mr. Mitten, Miss Coates.

Physical Activity Courses

Athletics I—IV

4 semester hours

These four courses are foundations for instruction and practice in the organized sports program as found in the secondary schools. Elements of play, rules, and officiating techniques are introduced along with safety procedures. Each student will build an accumulative reference file on all activities.

- MEN: I Football and Basketball
 II Basketball and Track
 III Soccer, Lacrosse, and Boxing
 IV Wrestling and Baseball

- WOMEN: I Hockey and Volleyball
 II Basketball, Softball, Track and Field
 III Hockey, Badminton, and Archery
 IV Basketball and Lacrosse

Athletics V and VI

2 semester hours

Emphasis placed upon carry-over sports and recreational lead-up activities principally of an individual nature. Skills acquired in a variety of dual athletics so that the student has a sound basis for instructing these activities in either a required physical education program or in a recreational program for all age levels. The organization and administration of tournaments will complement this program.

MEN: Golf, tennis, archery, badminton, softball, shuffleboard, volleyball, table tennis, bowling, riflery, fencing, bait and fly casting, and winter sports.

WOMEN: Badminton, bowling, shuffleboard, archery, table tennis, winter sports, officiating hockey, basketball, softball, and volleyball.

* Leave of absence, second semester.

Athletics VII*1 semester hour*

A review of methods of teaching in the gymnasium, classroom, playground, and athletic field providing the student with basic techniques to carry out the various lesson and unit plans for different grade levels. This grounding in the techniques of teaching is a prerequisite of the student teaching semester.

Athletics VIII*1 semester hour*

The planning and direction of demonstrations and exhibitions in the physical and health education field will form the basis of the course. Students will plan elementary demonstrations, exhibitions, circuses, festivals, water shows, variety shows, field days, May days, holiday programs, sports carnivals, and pageants. Certain ones will be presented as class projects.

Gymnastics I and II*2 semester hours*

An introductory course in the fundamentals of gymnastics, marching tactics, apparatus, and games of low organization.

MEN: Speedball, games, relays, pyramids, trampoline, use of heavy apparatus, stunts, and safety measures.

WOMEN: Soccer, speedball, stunts, tumbling, apparatus, pyramids, tennis, and safety measures.

Gymnastics III and IV*2 semester hours*

MEN: Instruction in progressively complex games and relays accompanied by elementary practice teaching through the use of small units learned in the first year. The teaching of calisthenics emphasizing Danish gymnastics, combative games, advanced heavy apparatus, and the use of light apparatus.

WOMEN: The third semester includes tap dancing, fundamental techniques and routines, and an introductory course in fundamentals of gymnastics and marching tactics. This is followed in the fourth semester with advanced apparatus and advanced tennis, including team tactics, strategy, and officiating.

Gymnastics V*1 semester hour*

MEN: This semester all students are expected to develop a practical reference list of games and activities suitable for both elementary and secondary schools. A project in each of these areas will be developed. Natural activities as used in school programs, in class-

room situations, playgrounds, and sidewalk areas offer opportunities for the presentation of practice lessons by each student.

WOMEN: Fundamentals of golf; games and relays of all types suited to various age levels of the elementary and secondary schools. Each student is given an opportunity to prepare and teach a unit of formal work, including marching tactics and formal exercises.

Dancing I

1 semester hour

MEN: A study of the place of dancing and rhythmical activities in the school physical education program with particular emphasis on clog, tap, and elementary folk dancing.

WOMEN: A study of the fundamentals of movement, music, and rhythm and their relationship to each other; child rhythms, singing games, and folk dances suitable for elementary school children; suggested teaching methods; student teaching within the group.

Dancing II

1 semester hour

MEN AND WOMEN: Co-recreational activities will be emphasized. The activities will include square and country dancing, folk dancing, and social dancing. Students develop personal skills and learn methods of teaching and curriculum sources of dancing programs.

Aquatics I

1 semester hour

MEN: Diagnosis, study, and practice of the basic swimming strokes; introduction to fancy diving and competitive swimming; study of speed swimming strokes, racing starts, turns, and relay races; floating and endurance swimming; aquatic games, races, stunts, and exhibitions; introduction to recreational aquatics and synchronized swimming formation.

WOMEN: Instruction in the nine basic styles of swimming and elementary diving; methods of teaching the various classifications of swimmers; pool maintenance and sanitation; aquatic activities such as water games, aquatic ballet, synchronized swimming, and officiating techniques.

Aquatics II

1 semester hour

MEN: The philosophy of life saving and the responsibility of guarding the lives of bathers and swimmers; diagnosis, study, and practice of life saving skills and techniques; discussion of floating supports, canoeing, boating, use of the paddle board, and planning

and supervision of waterfront activities in recreation programs. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross.

WOMEN: Continued instruction and perfection of the nine basic styles of swimming; experience in teaching elementary swimming strokes; senior life saving instruction. Successful completion of this course will enable the student to receive senior life saving certification by the American National Red Cross.

Health Education Courses

Hygiene

3 semester hours

Preparation of the student for making intelligent adjustments to personal and community health problems; activities and contributions of volunteer and public health agencies in the development and maintenance of acceptable health standards. Students will build a curriculum material instructional aids list in Health Education which will be a prerequisite for the course in School Health Problems.

Descriptive Anatomy

3 semester hours

A study of the human body with particular emphasis upon the skeletal and muscular systems as related to a scientifically sound and practical program of physical education. Prerequisite: Basic Biology.

Physiology I

3 semester hours

Consideration of the specific functions of the various organic systems which compose the human body and the relationships of the various systems to each other in forming an integrated organism. Prerequisite: Descriptive Anatomy.

Physiology II

3 semester hours

The scientific evaluation of the effects of muscular activity upon the various organs and systems of the body and upon the human mechanism as a whole. Applications are made to specific problems of the health and physical education field. Prerequisite: Physiology I.

Leadership in Protective Procedures

2 semester hours

The responsibilities and duties of the teacher and coach with respect to the prevention of accidents and injuries in the physical education program. Attention will be given to first aid measures,

taping for prevention of injuries, and general safety procedures. A unit of practical experience in the preparation and direction of first aid contests in the school and in the community is included. Upon successful completion of this course, the student will have an opportunity to qualify for first aid certification.

Physical Education Tests

3 semester hours

Experience in selecting, administering, scoring, and evaluating physical activity tests of physical fitness, general motor ability, motor educability, and skill and knowledge in sports. Competency in the use of elementary statistical procedures of objective learning and testing. Prerequisite: Educational Psychology.

School Health Problems

3 semester hours

Problems related to health service and healthful environment in elementary and secondary schools; experience in building and teaching units of instruction in health for boys and girls. Students will have completed their curriculum materials instructional aids list as a prerequisite for student teaching in the senior year (see Hygiene). Prerequisites: Hygiene, Physiology I, and Educational Psychology.

Physical Activities for Atypical

Children I

2 semester hours

A course presenting to the student a method of teaching that will motivate the atypical student to improve not only his physical condition, but also his outlook on life. This course deals with the sport phase of the education of the handicapped through the use of adapted sports programs.

Physical Activities for Atypical

Children II

2 semester hours

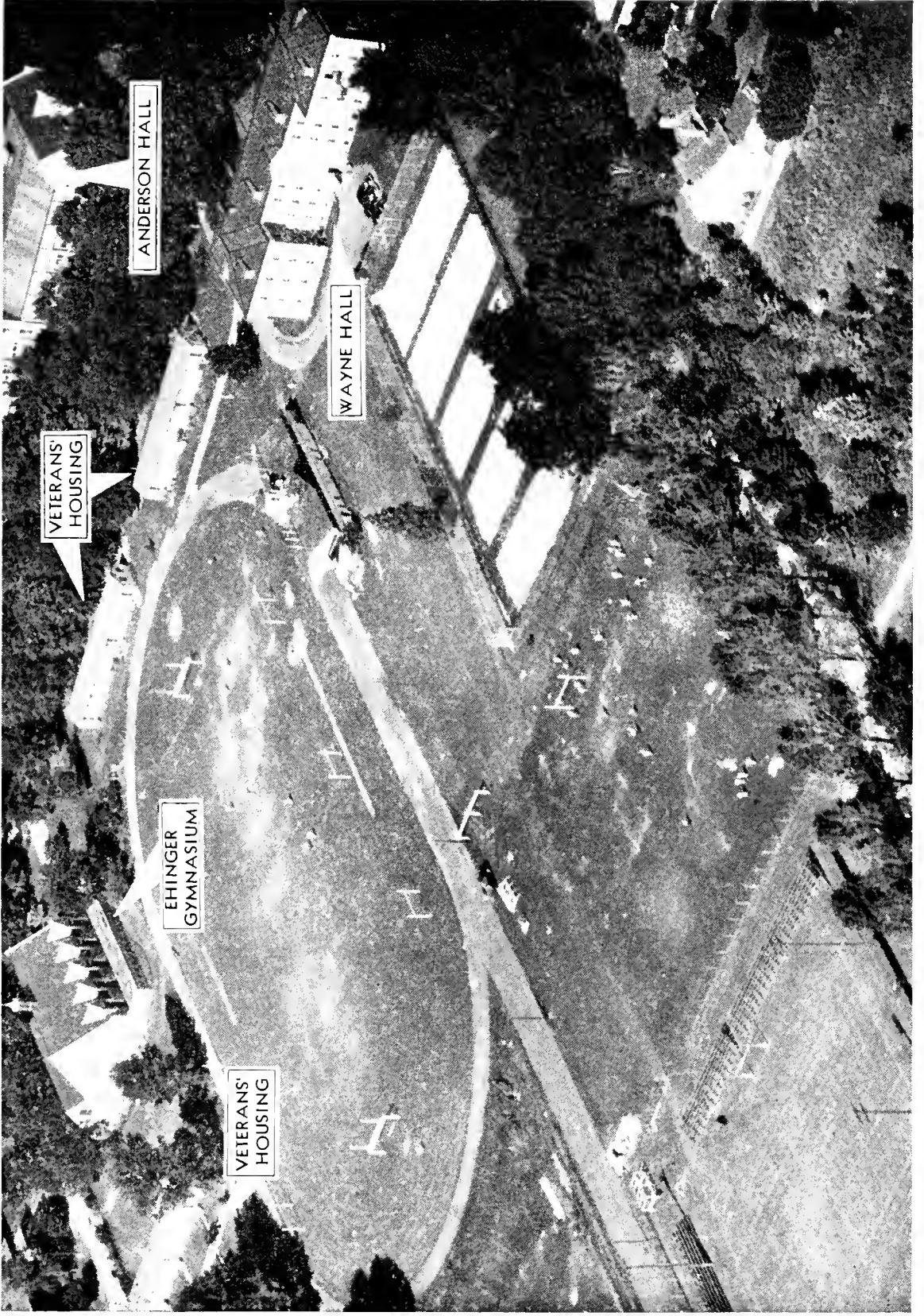
A course concerned with the modern concepts of the therapeutic exercise phase of physical education in the prevention and correction of common handicapping conditions. The student is furnished with adequate information and guidance for giving the handicapped individual the proper type and amount of physical education to meet his needs and capacity.

Organization and Administration

of Physical Education

3 semester hours

Principles of program building in physical education and athletics, curricular and extra-curricular; facilities and equipment, rou-



AIR VIEW OF MEN'S ATHLETIC FIELDS



tine procedures, budget and finance, legal liability, and public relations. Prerequisite: Physical Education Tests.

Principles of Recreation *2 semester hours*

Historical background of the present play movement; theoretical explanations of play; the need for play in modern life and its place in education and recreation; the fundamental principles and methods of recreation leadership.

**Student Teaching and Direction
of Student Activities** *12 semester hours*

Observation and participation in teaching situations in the elementary grades and in the junior and senior high school under qualified cooperating teachers. Professional conferences and visitations are provided throughout this teaching semester which may be taken in the fall or spring term of the academic year depending upon administrative planning.

**Professional Practicum Including
School Law** *2 semester hours*

Accompanying student teaching an undergraduate seminar will be required. This will include a study of problems met in the teaching semester and a review of those sections of the Pennsylvania School Law pertinent to teaching activities in the major field.

Elective Courses

**Community and School Health
Education Workshop** *3 semester hours*

A study of common problems in the home, community, and school health education areas. A five-point program is as follows: to provide in-service training in health education; to stimulate and promote an effective follow-up program in health services; to coordinate the efforts of allied health agencies; to stimulate and promote interest in local health units; and to develop an awareness of the place of mental health in the total health program of the home-school-community.

**Organization and Administration
of Recreation** *3 semester hours*

Policies and procedures which are essential in the promulgation of recreation programs on local, state, and national levels. This includes visitations to and evaluations of recreation centers in opera-

tion. Students will be given opportunities to plan and administer recreational projects. Prerequisite: Principles of Recreation.

Supervised Recreation Leadership *4 semester hours*

Principles of supervising recreational activities on all levels for different age groups. Students will have guided experiences in active recreational leadership in varied programs.

Music in Recreation *3 semester hours*

A study of the many phases of recreational music as an effective leisure time activity for all age groups in communities, camps, playgrounds, and recreational centers; an understanding of the functions of the recreation leader in the music phase of the recreation program.

Specific activities in which students will participate are as follows: community singing and conducting, rounds, contra songs, action songs, making stereoptican slides for group singing, playing simple instruments such as the tonette or song flute, making rhythm band instruments, playing in and conducting a rhythm band, producing musical puppet shows, simple operettas, setting up the organization for the advanced listening, singing, and playing program.

Dramatics in Recreation *3 semester hours*

The place of dramatic activities that meet recreational needs of all groups as either participators or spectators of the activities. Emphasis will be placed upon the appropriate plays and other dramatic media that fit all age levels in any community.

Arts and Crafts in Recreation *3 semester hours*

Theoretical and practical applications in the use of arts and crafts materials as a means of furnishing channels for recreative outlets for all age groups. Opportunities will be given to work in the various media customarily found in school and community recreation programs.

Camping and Outing *3 semester hours*

A program including both theory and practice in all the elements of camping and outing programs. The student will gain an insight into these activities from the viewpoints of the camper, the counselor, the supervisor, the specialist, and the director.

First Aid for Teachers*2 semester hours*

A study of advanced first aid techniques and the methods and procedures for teaching first aid; problems of safety in home and school.

Theories and Methods of Coaching*3 semester hours*

Principles and methods of coaching sports in the school program; problems of the coach with regard to psychology of handling a team, training, motivation, and schedule planning; bridging the gap between knowing how to play and the functions of coaching.

Aquatic Leadership for Teachers*2 semester hours*

Leadership procedures in all aquatic activities found in the public school program and in school camps. The student will have an opportunity to qualify as a waterfront safety instructor and will study problems in organization and administration of aquatic programs.

**Health and Physical Education for Elementary,
Secondary, and Music Students**

For Elementary Curriculum Students**Health***2 semester hours*

A course designed as an integrative experience in personal health education for the freshman student. The primary areas include: first aid in relation to civil defense, mental and emotional adjustment to the college environment, factors influencing physiological health, and the college student as an intelligent appraiser of health practices and fads. From a secondary list of health problems, opportunities are given for students to participate in elementary workshop procedures.

Physical Education I*1 semester hour*

Introducing the student to an extensive program of recreational athletics having a high potential carry-over into post-college life. Included are archery, badminton, basketball, hockey, soccer, softball, speedball, swimming, tennis, and volleyball.

Physical Education II*1 semester hour*

Continuation of individual activities with a gradual emphasis placed upon those physical activities which elementary children enjoy. The basic organization of the physical education program in

the modern elementary schools is reviewed. Basic principles in teaching children how to play simple games and relays and those other recreational activities that are associated with this age group. Opportunities for lesson planning and teaching are provided for in a practical manner. The ability to plan for and direct the practical "recess" period in the elementary school program will be a main objective for each student.

Physical Education III

1 semester hour

The place of fundamental rhythms, creative rhythms, singing games, and folk dances on the elementary level will challenge the student. Personal skills in these areas will develop and each student will assume the leadership in directing these activities in class situations. The use of dancing activities for demonstrations and pageants will be studied.

The Teaching of Health

3 semester hours

A course based upon the premise that health education is not a subject but rather a way of living. Special emphasis placed upon the development of sound principles and procedures in meeting the different needs of the child in relation to the school, home, and community. Elementary health courses of study will form the basic point from which each student will explore content and methods for making a sound total health education program. The inter-relationship of health education with all fields in the modern elementary program will be a focal point of attention.

For Secondary Curriculum Students

Health

2 semester hours

The same as Health for Elementary Curriculum Students.

Physical Education I

1 semester hour

A wide variety of experiences in athletic games contemporaneous to college age levels will initiate the program. An introduction to those activities which have carry-over value into adult life will be the center of interest. These include soccer, speedball, hockey, basketball, swimming, softball, and tennis.

Physical Education II

1 semester hour

Further experiences in individual sports will be offered including not only the learning of skills for personal enjoyment but also developing an elementary ability to help direct these in the modern

secondary school recreational program. These include archery, badminton, bowling, golf, quoits, horseshoes, shuffleboard, tether ball, and winter sports.

Physical Education III *1 semester hour*

Rhythmical activities that are of great interest to secondary schools will be offered. These include social, folk, square, and country dancing. Emphasis will be placed upon both the development of individual skill and the ability to help direct these activities as a feature of the recreation program in schools.

For Music Curriculum Students

Health *2 semester hours*

The same as Health for Elementary Curriculum Students.

Physical Education I (Eurythmics I) *1 semester hour*

The realization of rhythm in bodily movement and the development of neuro-muscular responses to the perception of musical rhythms are bases for the course. The student will become familiar with the factors of timing, force, and space so as to increase both his skills in bodily movement and his appreciation of rhythm.

Physical Education II (Eurythmics II) *1 semester hour*

The development of an appreciation of rhythmic movement patterns through specific dance forms: Polka, Schottische, Waltz, Mazurka, Pavanne, Polonaise, Sarabande, Bouree, Gavotte, Minuet. Opportunities will be provided for the application of the principles of eurythmics in teaching music to children through both the planning and teaching of typical elementary school units such as: Folk Festivals, Circuses, May Days, Indians, Transportation, Work and Occupations, Special Holidays.

Physical Education III *1 semester hour*

A course providing an extensive variety of recreational athletic experiences which have the highest potential value for enjoyment in post-college life. Activities include archery, badminton, bowling, swimming, deck tennis, softball, volleyball, tennis, golf, and winter sports.

ELECTIVES IN "EDUCATION FOR SAFE LIVING (HIGHWAY SAFETY AND GENERAL SAFETY EDUCATION)"

Driver Education and Training *3 semester hours*

Classroom study of personal characteristics bearing on driving, use of various types of tests, and techniques of teaching beginning drivers. Road instruction on the use of dual control cars in the teaching of safe driving. Prerequisite: Driver's license. May be taken for no credit by holders of learner's permits.

General Safety Education *3 semester hours*

The importance of safety education in modern living. Methods of overcoming the hazards present in the home, school, community, industry, and traffic. How to teach safety habits and attitudes.

Organization and Supervision

In Safety Education *3 semester hours*

History, philosophy, and basic principles of organization and administration of safety education. Organization and supervision of safety education in the public schools, including program planning. Legal aspects in the administration of school safety. Prerequisite: General Safety Education.

Methods and Materials

in Safety Education *3 semester hours*

Methods of teaching safety and subject matter placing in the elementary and secondary schools. Source material and measuring the results of safety education. Prerequisite: General Safety Education.

Psychology of Accident Prevention *3 semester hours*

A study of methods for developing attitudes toward safety; the part played by personality and emotions in accidents.

MATHEMATICS DEPARTMENT

DR. PICKETT, *Head of the Department*; Dr. Evans, Dr. Travis

Fundamentals of Mathematics *3 semester hours*

Development of the number system; nature and application of fundamental processes; extension of the number system to include common and decimal fractions and negative numbers; approximate nature of measurements; per cents; language of algebra including formulas, graphs, tables, and equations; meaning of proof; elemen-

tary concepts of statistics; art of indirect measurement; additional topics of interest to students.

College Alegbra*3 semester hours*

Fundamental operations; factoring; fractions; exponents; functions and their graphs; linear, quadratic, and systems of equations; proportion and variation; progressions; mathematical induction; logarithms; determinants; permutations and combinations. Prerequisites: 1 year high school algebra and 1 year high school geometry.

Advanced College Algebra*3 semester hours*

Theory of equations; determinants; partial fractions; series; complex numbers; further development of permutations, combinations, and probability. Prerequisite: College Algebra.

Trigonometry*3 semester hours*

Functions of an angle; logarithms; use of tables; radians; identities; trigonometric and exponential equations; solution of triangles by natural functions and logarithms; inverse functions; complex numbers; application in practical problems.

Spherical Trigonometry and Navigation*3 semester hours*

Solution of the right and oblique spherical triangles with emphasis on their practical application, especially in the field of navigation.

Analytic Geometry*3 semester hours*

Correlation of algebra and geometry in finding equations of loci and loci corresponding to certain equations; properties of the straight line, the circle, and conic sections; rectangular and polar coordinates; transformation of coordinates; parametric equations; a brief introduction to three dimensions. Prerequisites: College Algebra and Trigonometry.

College Geometry*3 semester hours*

Extension of competency in geometry; modern problems of the triangle and the circle; further development of rigorous proof; constructions based on loci and indirect elements; non-euclidean geometry. Prerequisite: high school plane geometry.

Calculus I (Differential)*3 semester hours*

Elementary concepts of limits; the derivative; applications of the derivative to maxima and minima; rates, velocity, acceleration;

introduction of integration as the inverse of differentiation. Prerequisite: Analytic Geometry.

Calculus II (Integral)*3 semester hours*

Integration as the inverse of differentiation; formulas of integration; the definite integral; methods of integration; integration as the limit of a sum applied to areas, volumes, lengths of curves, and other practical problems. Prerequisite: Calculus I.

Calculus III*3 semester hours*

A continuation of the calculus to include series; additional work in partial differentiation, multiple integrals, and elementary differential equations. Prerequisite: Calculus II.

Statistics*3 semester hours*

Basic principles and methods of statistics common to scientific research; understanding of and ability to use graphs, frequency distributions, measures of central tendency and dispersion; normal curve; correlation; regression and prediction; reliability of statistical measures; curve fitting; development of formulas.

History of Mathematics*3 semester hours*

Study of the growth of mathematics through the centuries and the men who contributed to it; enrichment of the mathematical background of students; integration of basic areas of mathematics. Prerequisite: Analytic Geometry.

Mathematics of Finance*3 semester hours*

Introduction to elementary theory of simple and compound interest with solution of problems in annuities, sinking funds, amortization, installment buying, mathematics of life insurance.

Field Work in Mathematics*3 semester hours*

Mathematics applied to the enrichment of secondary school mathematics. Use of the transit, angle mirror, hypsometer, sextant, and other measuring instruments; simple map-making exercises and elementary surveying; construction and use of student-made instruments and teaching devices.

Teaching of Mathematics in**the Secondary School***3 semester hours*

Place and function of mathematics in secondary education; content and the improvement and evaluation of instruction in mathematics; acquaintance with current literature and research; observa-

tion in secondary schools. Prerequisites: 9 semester hours of college mathematics.

MUSIC DEPARTMENT

DR. MITCHELL, *Head of the Department*

Mr. Zimmer, Mr. Parry, Mr. Middleton, Mr. Jones, Mr. Ginter, Mrs. Ashenfelter, Dr. Antonowich, Dr. Wright, Mr. Carl, Mr. Carson, Mr. Fletcher, Mrs. Gottlieb, Mr. Gutscher, Miss Keller, Dr. Cheesman, *Mr. Wilkinson, Miss Stout, Mr. Sweet, Miss Sheppard, Dr. Johns.

Theory

The theory courses aim to develop the techniques required for a comprehensive understanding of music literature and the background necessary for intelligent interpretation, arranging, and composition. These techniques include: the harmonization of melodies; analysis of form; creative work—at the keyboard and written; aural recognition of the harmonic vocabulary being studied; and the application to the keyboard of this vocabulary.

Solfeggio I

2 semester hours

With this study begins the development of the student's ability to sing at sight, with good intonation, music of moderate tonal and rhythmic difficulty in all major and minor keys in the G and F clefs. In addition, the course provides the student with the basic knowledge of the rudiments of music. Emphasis is placed on phrase-wise thinking and on the elements of form.

Solfeggio II

2 semester hours

Aims to increase the sensitivity of the student to correct intonation and to develop his ability to sing a second part. It includes two and three part singing and the melodic and natural minor scales. The student is also given experience with written musical notation, reproduction at the keyboard of simple melodies and harmonies, and the composition of simple original melodies. Prerequisite: Solfeggio I.

Solfeggio III

2 semester hours

A course aiming to develop greater facility in the tonal and rhythmic techniques already presented and additional mastery of the problems of part singing. Advanced problems include more difficult modulation, chromatic alterations, modal tonality, and more complicated rhythms. It emphasizes the individual work begun in the previous solfeggio courses through the use of duets and small

* Leave of absence, two semesters.

ensembles. The problems are studied aurally as well as visually. Prerequisite: Solfeggio II.

Theory I *4 semester hours*

Includes a study of the primary harmonies, inversions, and nonchordal tones. The phrase and the period serves as the units for analysis and creative work.

Theory II *4 semester hours*

Increases the student's harmonic vocabulary to include the secondary harmonies, both triads and seventh chords, and simple alterations. The study of modulation to closely related keys and the analysis of homophonic forms are included. The piano style, as well as the choral style, is used in the composition and harmonization of simple melodies. Prerequisite: Theory I.

Theory III *3 semester hours*

Gives additional practice in handling the materials of Theory I and II, and introduces chromatic alterations and the model tonalities. Analysis now includes the rondo and the sonata allegro forms. Prerequisite: Theory II.

Theory IV *3 semester hours*

Augments the student's harmonic vocabulary with a study of modulation to remote keys. Special attention is placed upon arranging compositions for voices, piano, and small groups of instruments. All the techniques acquired in previous courses will be further developed. Creative application of materials is emphasized. Prerequisite: Theory III.

Orchestration *2 semester hours*

A course including the techniques of the instruments of the orchestra and band and presenting the principles of instrumentation in theory and practice. Special emphasis is given to arranging for school orchestras and bands. Prerequisite: Theory III.

Survey of Music Literature *1 semester hour*

A course designed to acquaint the music student with the various forms and media of musical composition and to familiarize him with representative examples of standard music literature, thereby providing an adequate music background in preparation for ensuing courses. Emphasis is placed upon the objective elements of musical style as well as upon subjective factors of musical expression. Meth-

ods of teaching the creative listening programs in the public schools are stressed.

History of Music I*3 semester hours*

The field of music history in theory and practice from early times to the present. Examples of music, either by phonograph or other means, are used as much as possible. A varied but balanced program of individual listening is required. A strong emphasis is placed on the interrelation between various phases of music history and other social and art movements. (For students in the Music Education Curriculum only.)

History of Music II*3 semester hours*

A course including the continuation of procedures found in History of Music I. The goals include special attention and greater coverage of the music history field from the Romantic Era to the present.

Conducting I (Choral)*1 semester hour*

A study of the technique of conducting with and without the baton, score reading, actual practice in group conducting, and choral materials and program building.

Conducting II (Instrumental)*1 semester hour*

A study, theoretical and practical, of the conducting of all types of instrumental groups. Instrumentation, interpretation, balance, and score reading are studied, discussed, and practiced. Opportunity for the development of adequate rehearsal techniques and skills is provided. All the physical elements which can improve or handicap a performance are discussed.

Music Education and Student Teaching**Methods I (Elementary)***3 semester hours*

A course dealing with the use of vocal and recorded musical materials which are suitable for children in the elementary grades. Included in assignments and class discussion are such topics as: standards for choice of materials, care of the child voice, creative music activities, music in rural and consolidated schools, the attainment of desirable class attitudes toward music, the development of a music reading program. A program of directed observation in the laboratory school is carried on throughout the course. Skill in music reading and facility at the keyboard are prerequisites to this course.

Methods II (Secondary—Vocal)*2 semester hours*

A study of the organization, procedures, problems, and materials of vocal music classes in the junior and senior high schools. Attention is given to voice classification, the changed and changing voice, voice classes, choral organizations, public performances, the school assembly, appreciation, and the relation of the modern school to the community. Special consideration is given to the study of skills in teaching general music classes. Directed observation as in Methods I is included.

Methods III (Instrumental)*2 semester hours*

A course devoted to the study of a suitable instrumental program for a public school system. Special attention is given to the problem of organization and administration, as well as the teaching techniques of the various instruments. Minor repairs, care of the instruments, and the marching band furnish additional topics for discussion. Available materials for all phases of the instrumental program are surveyed and evaluated.

Student Teaching and Direction**of Student Activities***12 semester hours*

Opportunities are provided for student teaching, which carries with it observation, extending from the kindergarten through the twelfth grade. The work is carried on in different types of schools, such as the public schools of the Borough of West Chester, consolidated country schools, and one-room rural schools. Instruction is given in both vocal and instrumental music; in some schools, piano class work is in progress.

Professional Practicum Including**School Law***2 semester hours*

General and specific problems, procedures, and materials encountered in student teaching are analyzed and discussed. Emphasis is put on basic school laws and their development in the United States and in Pennsylvania in particular. The course includes discussions, lectures, and individual conferences.

Applied Music

Applied Music studied in this curriculum serves two purposes: that of developing the musicianship of the individual student; and that of providing the prospective teacher with the knowledge and

techniques of various musical media needed for conducting an effective music program in the public schools. The program is carried out by means of individual and class instruction, according to the needs of the student.

Advanced Standing Requirements in Private Study

Advanced standing in private study may be achieved by students after the freshman year, upon successfully passing certain tests. Extra credit will be given to students in the advanced standing classification.

Piano

5 semester hours

Each student receives one-half hour instruction in piano per week. Opportunity is given for ensemble or solo performances in informal recitals and in monthly public recitals. At the end of each semester students are expected to meet minimum requirements in sight-reading, technique, and general musicianship, as determined by examinations before the piano faculty. The study of the piano includes keyboard harmony in the free piano style.

Organ

Individual instruction in pipe organ is offered to familiarize the student with the literature of the instrument and to develop a playing technique. (A limited number of students in the music curriculum who have met the piano and keyboard requirements may elect organ in place of piano. Students who qualify and are permitted to substitute organ for piano are subject to an additional fee.)

Orchestra and Band (Advanced, Intermediate, and Elementary)

2 semester hours

Each music student is required to attend orchestra and band. Advanced players may meet the requirement by being accepted in the Symphony Orchestra and the Concert Band. For those advanced players who do not qualify for the Concert Band, there will be an Intermediate Band.

Instruments

4 semester hours

Class instruction in all the orchestral and band instruments is offered. One year each of violin, clarinet, and trumpet is required. After having met the preceding requirement, the following instruments are elective: viola, cello, bass, flute, oboe, bassoon, horn,

trombone, baritone, tuba, percussion. For those advanced students who are interested in small ensemble groups in woodwinds, brass, or strings, opportunity is given to survey literature for such ensembles and to study ensemble style by participation.

Voice*4 semester hours*

The study and application of the physiological and psychological principles of voice production and diction. The material used ranges from rote songs to classic and modern song literature, according to individual ability. Opportunity is offered for solo appearances in recital and with college organizations.

Chorus*2 semester hours*

A study of choral works with these topics especially stressed: breathing, interpretation, tone quality, enunciation, and diction. Works suitable for junior and senior high schools and colleges are studied, and special attention is given to preparation and public performance in these works.

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All minimum applied music credits will be completed by the end of the junior year unless some deficiency needs to be removed. Only the Symphony Orchestra, College Choir, Concert and Marching Bands, and private study in the student's major field of piano, voice, or instrument with advanced standing credit will be required during the senior year.

Electives for Music Students**Advanced Harmony***2 semester hours*

A course designed to provide the interested student with an opportunity to develop his understanding and facility in the use of harmonic idioms and practices beyond those developed in the required theory courses. Specific problems will include the study on an advanced level of chromatic harmony, modulation to remote keys, and the more common contemporary practices. Assignments will consist for the most part of the composition of original examples. Analysis of excerpts from the monuments of music literature will be given considerable attention. Stress will be placed on the individual harmonic practices of the great masters of musical composition. Prerequisite: Theory IV.

American Music *2 semester hours*

A course designed to trace the evolution of national style of composition from the earliest known American composers to the present day, and to acquaint the student with representative works of outstanding American composers. American music in our cultural heritage is analyzed and listened to with special regard for the amount of influence such things as jazz, impressionism, nationalities, and economics have had upon it.

Counterpoint *2 semester hours*

A practical study of the fundamental material of music and its evolution. The course includes a comparison of harmonic and melodic movement, analysis and writing of both vocal and instrumental polyphony in strict and free style. Prerequisite: Theory III.

Composition *2 semester hours*

A course designed to give the advanced student more intensive experience in creative work. Although no definite idiom is prescribed, the use of contemporary techniques is encouraged. The work done in this course will be written for various mediums. Each student is offered guidance and aid in writing compositions in the forms, styles, and mediums best suited to his own special capabilities and needs.

Instrumentation *2 semester hours*

A course presenting the elements and general principles of arranging for orchestra and band. The object of the course is to enable students to do acceptable sounding scoring where many players are still young and unable to play difficult music, and where many bands and orchestras have incomplete instrumentation. For Seniors only.

**Instrumental Techniques, Materials,
and Methods***3 semester hours*

An elective course designed for those juniors and seniors who desire to supplement their training in instrumental music by expanding their knowledge of the organization and administration of an instrumental department; modern materials for instrumental classes, solos, small ensembles, orchestra and band; rehearsal procedures and techniques; minor repairs to instruments; contests and festivals; marching band methods and procedures. Prerequisites: Membership

in Symphony Orchestra or Concert Band for one year or previous instrumental experience satisfactory to the instructor.

Piano Methods (Class)

2 semester hours

A course providing for the training of piano teachers and supervisors for the organization and teaching of piano classes in the public schools. Suitable teaching material including the leading system of class piano instruction will be examined and discussed. Demonstrations and student teaching are included.

**Seminar in Piano Teaching and
Teaching Material**

3 semester hours

A seminar giving in-service music teachers and supervisors the opportunity for class study of outstanding examples of the piano literature. The role and integration of the piano into the public school program along with suitable teaching materials for class and private study will be analyzed and used in demonstrations and student teaching.

**Teaching of Music Appreciation
in the Elementary Grades**

3 semester hours

A course designed to enrich the music program throughout the grades. Suitable and available materials will be suggested from which each member of the class will be expected to organize a unit of work for a specific grade. The subject of these units will be decided by the needs of the class itself. Throughout the course an attempt will be made to provide variety of approach and to present the subject so as to conform to the child's mental, physical, and psychological development.

**REQUIRED COURSES IN MUSIC FOR ELEMENTARY
EDUCATION STUDENTS**

Fundamentals of Music

no credit

A course given to those students in the Elementary Curriculum who do not meet the prescribed requirements of a Standard Achievement Test in music. Fundamentals of Music includes the study of intervals, scales, measure and key signatures, simple and compound rhythms, notation and terminology, and the application of this knowledge to the reading of simple music. Prerequisite to Music for the Elementary Grades.

Introduction to Music*2 semester hours*

A course providing an orientation in music which aims to enrich the student's understanding and knowledge in the development of world culture with specific reference to the place of music in this process through its unique aspect as a universal language of significant meaning and understanding to the peoples of the world. Through the media of recordings, radio, television, concerts, films, and the library, music is related to the development of the other arts, to religious, political, social, and economic trends, and to the various schools of historic and aesthetic thought.

Music for the Elementary Grades*2 semester hours*

A course designed to equip the graduate to teach music in the elementary schools under supervision. Special emphasis is placed upon music fundamentals, sight reading, elementary theory, keyboard facility, vocal production, rhythmic activities, song interpretation, and creative possibilities. Prerequisite: Fundamentals of Music or passing of prescribed tests in music.

**Teaching of Music in the
Elementary Grades***3 semester hours*

A continuation of Music I with special emphasis upon the application of methods and materials in the elementary grades. Various teaching methods and the use of materials that function in the five-fold program are presented: singing, rhythmic activities, creative listening, and instrumental program. Type lessons are taught by the student and constructively evaluated; observation of music in the schools is incorporated. Prerequisite: Music for the Elementary Grades.

**REQUIRED COURSE IN MUSIC FOR SECONDARY AND
PHYSICAL EDUCATION STUDENTS****Introduction to Music***2 semester hours*

A course providing an orientation in music which aims to enrich the student's understanding and knowledge in the development of world cultures with specific reference to the place of music in this process through its unique aspect as a universal language of significant meaning and understanding to the peoples of the world. Through the media of recordings, radio, television, concerts, films, and the library, music is related to the development of the other arts, to religious, political, social and economic trends, and to the various schools of historic and aesthetic thought.

ELECTIVE COURSES IN MUSIC FOR ELEMENTARY EDUCATION STUDENTS

Piano Class (Elementary Teachers)

3 semester hours

Functional study of the piano through class lessons so that the elementary teacher may use the instrument as a means of broadening the elementary music program into the integrated Elementary Education Curriculum. Piano accompaniments for classroom singing and rhythmic and creative activities are stressed through study, demonstrations, and teaching of practical classroom materials. A course designed primarily for the in-service elementary classroom teacher.

Teaching Music through Song and

Rhythm Materials

3 semester hours

A course planned primarily for elementary teachers. It aims to prepare them to teach more effectively and to revitalize the program of Music Education in the schools. This will be brought about through study of the various series of song and rhythm materials currently available for use in elementary schools. It will develop the basic techniques for presenting these materials and a working knowledge of simple instruments such as the xylophone, auto harp, and percussion.

Applied Music

1 semester hour

Students in any curriculum may elect to study piano, voice, or some instrument, and receive credit upon demonstration of satisfactory progress. One lesson each week.

Harmony I

3 semester hours

Fundamentals of music; scales, intervals, triads, harmonization of melodies involving the use of the tonic and dominant harmonies in all positions; non-chordal tones; application of the foregoing in original work.

Harmony II

3 semester hours

Harmonization of melodies involving the use of sub-dominant, supertonic, sub-mediante, and mediant harmonies in all positions; secondary seventh chords, simple chromatic alterations; application of the foregoing in original work. Prerequisite: Harmony I.

History and Appreciation of Music *3 semester hours*

A course covering the field of music history in theory and practice from early times to the present. Examples of music, either by phonograph or other means, are used as much as possible to illustrate this survey. A strong emphasis is placed on the interrelation between various phases of music history and other social and art movements.

NOTE: Many of the courses in the Music Curriculum are available to students in other departments. There are no fees for the students that qualify in the larger musical organizations, which are considered extra-curricular for non-music majors.

PUBLIC SCHOOL NURSING COURSES**Public School Nursing** *2 semester hours*

Deals with the special training in public school nursing as a branch of public health nursing, including historical background, the various fields it covers, the problems and limitations that are involved. Responsibilities of the nation, state, community, school board, administrators, and the school nurse are studied. The new techniques of handling children with heart disease, communicable diseases, sight and hearing problems, crippled children, mentally retarded, those incapable of being educated, and accident prevention are included.

Public School Organization for Nurses *2 semester hours*

The course is designed to prepare the school nurse to function effectively as an integral part of the public school organization. The student is acquainted with the varied relationships with which the nurse is involved in the discharge of her responsibilities. Particular emphasis is given to the general character of the American school system, its organization, administration, supervision, public relations, curriculum building, co-curricular program, and guidance.

Public Health Nursing I *3 semester hours*

A survey of the fundamental principles and the historical background of public health work in Europe, England, and America. Much stress is placed on the recent movement to bring this work up to date in our own state and the training and procedures by which it is to be accomplished. Careful consideration is given to the social changes in medicine, preventive techniques, population trends, modern ideas of sanitation and sewage disposal, the handling and mar-

keting of foods, housing conditions of today, methods of record keeping, Civil Service procedures, and limitations as they concern the nurse.

Public Health Nursing II

3 semester hours

A continuation of Public Health Nursing I. Deals with the past history and modern practices of maternity care, infant care, child welfare, dental care, teaching proper techniques in the home, care of the crippled, handicapped in sight, hearing, and the aged. The vast opportunities open today in social work for the public health coordinator or leader in community health movements are an important aspect of the course.

Nutrition and Community Health

2 semester hours

A review of nutrition from the chemical make-up of foods to the use our body makes of them and how we evaluate that use. The part the nurse plays is covered in the following fields: teaching of nutrition in schools, homes, institutions, to individuals, to community organizations in regard to the proper feeding of infants, mothers, adolescents, the middle aged, the aged, the obese, those suffering from allergies, those with chronic diseases, and alcoholics.

Family Case Work

3 semester hours

A study of the processes of interviewing and making case studies of family groups. The history and sociology of the American family is used as background for study. Lectures, reports, and seminar techniques are employed.

SCIENCE DEPARTMENT

DR. GORDON, *Head of the Department*

Miss Greenwood, Dr. Trezise, Dr. Rogers, *Miss Harbold, Dr. McTavish, Mr. Skillen, Mrs. Kennedy, Mr. Gruener, Mrs. Bliss, Mr. McDonnell, Mr. Maier.

General Courses

Basic Biology

3 semester hours

A course dealing with the principles of biology. Topics include cellular structure and physiology, growth and repair, reproduction and development, control, sources of food energy, inheritance, and man's interrelationship with his biological environment. The classification of plants and animals is reviewed briefly.

* Leave of absence.

Basic Physical Science*3 semester hours*

This course utilizes the fields of earth science and astronomy to provide a broadened background of science. The nature and uses of energy is the central theme for the study of heat, light, chemical, electrical, and atomic energy. Emphasis is placed on the methods of scientists in recognizing and solving problems.

Basic Physical Science (Acoustics)*3 semester hours*

A special course in musical acoustics arranged for students in the Music Education Curriculum to give them an understanding of the nature of sound and the basic principles of production and transmission of sound with their applications to musical instruments. Further consideration is given to the physical basis of harmony and scales, hearing, the acoustics of concert halls, and the recording and reproduction of sound.

Science for the Elementary Grades*3 semester hours*

A course following the year of basic science designed to provide the elementary teacher with a more adequate background for teaching science in the elementary school. Units or problems are selected to achieve this purpose which cut across various fields of science. Emphasis is placed upon developing resourcefulness, in gathering data, and using the scientific method in the solution of such problems.

Science in Modern Civilization*3 semester hours*

A course designed to acquaint the secondary student with some of the major discoveries of science in all fields and the effects of these discoveries upon man's way of life. Emphasis is placed upon developing and understanding of science and its implications. Discoveries leading to more abundant supplies of energy, discoveries contributing to better health and longer life, more rapid transportation, to a more abundant and better food supply, better housing, better clothing, and to greater destructive potential are some of the topics developed.

**Teaching of Science in the
Secondary School***3 semester hours*

A course planned to give the prospective science major a thorough grounding in the problems of teaching science. The objectives of the science program in the secondary school, selection of textbooks, sources of suitable literature, how to secure materials

for instruction, the preparation of units, and special techniques are studied. Prerequisites: 12 hours of work in major field.

Biology

Botany I

4 semester hours

Botany I is a study of flowering plants. Topics include the anatomy and life processes of plant cells, leaves, stems, roots, flowers, seeds, and fruits. The economic importance of plants used by man and the recognition and classification of seed plants in the immediate environs of the College are included.

Botany II

4 semester hours

Botany II is concerned primarily with the non-flowering plants. It considers both the anatomy and life processes of selected algae, bacteria, fungi, mosses, ferns, and their allies. The economic importance and health implications of certain of these groups are emphasized. The recognition and classification of non-flowering plants in the immediate surroundings are stressed. Prerequisite: Botany I.

Zoology I

4 semester hours

A study of the life history, habits, origin, development, physiology, and anatomy of each phylum in the invertebrates. Emphasis is given to the study of those forms of economic importance to man or with health implications. The student becomes acquainted with many invertebrate species found locally.

Zoology II

4 semester hours

A study of the chordates in general, and more particularly the classes of vertebrates. Topics studied include the anatomy, physiology, origin, development, and life history of representative members of each class. Special attention is given to the vertebrates found in the vicinity of the College. Prerequisite: Zoology I.

Ecology

3 semester hours

A study of plants and animals in relation to their physical and biological environments. Special topics include distribution, factors affecting distribution, life zones, food chains, and adaptations. Attention is given to plant and animal communities in Pennsylvania. Individual problems may be assigned. Prerequisites: 6 hours of biological science or permission of the instructor.

Genetics*3 semester hours*

A course giving the student an understanding of the laws of inheritance as they operate in plants, animals, and humans. Cell structure, Mendelian inheritance, eugenics, linkage, probability, crossing over, and random assortment are all considered. Prerequisites: 6 hours of biological science or permission of the instructor.

Field Botany*3 semester hours*

A course giving methods useful in the study of plants in their natural surroundings. The use of keys, botanical manuals, and illustrated floras to identify living specimens will constitute a major activity. Among the desirable outcomes should be an acquaintance with non-cultivated plants as sources of emergency or staple food-stuffs, fibers, lumber, pollen, and nectar, as well as their incalculable value to wildlife.

Field Zoology*3 semester hours*

A course to familiarize teachers with the animal life in the surrounding localities. Considerable attention will be given to the use of keys, charts, books, and museum specimens as guides to the identification and classification of various animals. Field trips will be taken to observe, collect, and study animals as well as their habitats.

Ornithology*3 semester hours*

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

Parasitology*3 semester hours*

The consideration of the anatomy, physiology, life history, and habits of representative parasites of man and his domesticated animals. Means of prevention, detection, and control are emphasized. Special attention is given to those forms likely to be encountered in the area of the College. Prerequisites: Zoology I and II.

Entomology*3 semester hours*

A general study of insects, including structure, physiology, economic importance, classification, and relationships. Each student is required to participate in field trips and to complete a project

including a collection and report on some group of insects. Prerequisite: Zoology I.

Physiology *3 semester hours*

A general background of body processes in animals and a more detailed knowledge of human physiology. Related anatomy is taught as needed. Prerequisites: Zoology I and II.

Microbiology *3 semester hours*

A study of microscopic forms of life which are commonly encountered in biological work. Some emphasis is placed on the study of disease producing species likely to affect man and his domesticated animals. Methods of culturing forms used in high school teaching are studied. Prerequisites: Botany I and II, Zoology I and II.

Vertebrate Anatomy *3 semester hours*

A course in mammalian anatomy designed for majors in biology. Although the cat is used for lecture and laboratory work, considerable emphasis is given to comparisons with other vertebrates, especially man. Prerequisites: Zoology I and II.

Chemistry

Chemistry I (for Health Education students only) *3 semester hours*

Required of all students of health and physical education but does not satisfy the requirements in chemistry for science majors. Includes a general study of several of the common elements, several types of problems, and the fundamental laws of chemistry. A brief study of the periodic table and atomic structure is introduced very early in the semester.

Inorganic Chemistry I *4 semester hours*

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

Inorganic Chemistry II *4 semester hours*

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

Qualitative Analysis*3 semester hours*

A study of the theoretical principles and practices underlying analytical chemistry. It includes study and practice in separating and identifying the cations and anions of the more common elements and radicals. Prerequisites: Inorganic Chemistry I and II.

Quantitative Analysis*3 semester hours*

Introductory training in the theory and practice of gravimetric, volumetric, electrolytic, and potentiometric analysis. Quantitative calculations and relations are stressed. Prerequisites: Inorganic Chemistry I and II.

Organic Chemistry I*4 semester hours*

An elective for those who plan to major or minor in chemistry. It includes a study of the hydrogen compounds of carbon of the aliphatic series with emphasis on structural relationships and nomenclature as well as on uses and characteristic properties. Prerequisites: Inorganic Chemistry I and II.

Organic Chemistry II*3 semester hours*

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

Biological Chemistry*3 semester hours*

Includes the chemistry of proteins, fats, carbohydrates, minerals, and vitamins, and the biological functions of each. Digestive and metabolic changes are studied by laboratory tests and animal feeding experiments. Prerequisites: Organic Chemistry I and II.

Physical Chemistry*3 semester hours*

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

Colloidal Chemistry*3 semester hours*

This course is a study of substances in the colloidal state with particular emphasis on methods of producing sols and gels, stabilizing them or preventing their formation, and interference in chemical procedures. The practical application to various industries, agriculture, medicine, weather, soils, and home and community life will be stressed. Prerequisite: Inorganic Chemistry.

Industrial Chemistry*3 semester hours*

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

Chemistry of Nutrition*3 semester hours*

A study of the application of food and physiological chemistry to the nutrition of man. Topics included are dietary studies, food requirements of persons of various ages and environmental conditions, energy, metabolism, mineral requirements and utilization, the vitamins, and the effect of food on growth and good health. Prerequisite: Chemistry I or Inorganic Chemistry I.

Water Analysis*2 semester hours*

A study and analysis of water for potable qualities and for use in industrial applications. The treatment for softening and elimination of industrial contamination is emphasized. Prerequisite: Inorganic Chemistry.

Physics**Physics I***4 semester hours*

An introductory course in mechanics, heat, and sound. Some of the topics studied are the mechanics of solids, liquids, gases, thermometry, calorimetry, and heat transference, the production and nature of sound waves including musical sounds.

Physics II*4 semester hours*

An introductory course in light, magnetism, and electricity. Some of the topics discussed are reflection and refraction, optical instruments, spectra, and interference. The portion devoted to electricity and magnetism deals with the general concepts of magnetism,

electrostatics, electrical circuits, generators, motors, and alternating currents.

Electricity and Magnetism *4 semester hours*

An advanced course in general electricity and magnetism. The electric magnetic fields, D. C. and A. C. circuits, capacitance, inductance, electromotive force, and electrical instruments are among the topics developed. Prerequisites: Physics I and II.

Mechanics *4 semester hours*

An intermediate course in mechanics of solids, liquids, and gases. An opportunity is provided for a deeper insight into the principles in operation and their practical application. Studies are made of rectilinear and circular motion, work and energy, impulse and momentum, simple harmonic motion, and hydrostatics. Emphasis is placed on qualitative considerations. Prerequisites: Physics I and II.

Heat *4 semester hours*

An intermediate course in heat. The basic concepts and principles are developed more intensively in the study of the properties of gases and in thermodynamics. Some of the specific topics studied are temperature measurements, expansivity, specific heats, thermal conductivity of solids and liquids, thermal properties of gases, change of phase, and heat engines. Prerequisites: Physics I and II.

Electronics *3 semester hours*

A course dealing with the electron, inducing the charge, emission, and velocity of the electron. The fundamentals of vacuum tubes and their circuits and the use of tubes in communications and industry are studied. Prerequisites: Physics I and II.

Optics *4 semester hours*

An intermediate course in optics. Geometrical and physical optics are included. Reflection and refraction at surfaces, lenses, interference and diffraction, elementary spectroscopy and polarization of light are discussed. Applications are made in the study of optical instruments. Prerequisites: Physics I and II.

Sound *3 semester hours*

An intermediate course in the study of sound. The physical basis of sound is studied under such topics as wave motion, char-

acteristics of sound waves, reproduction and measurement of sound, the ear and hearing, architectural acoustics, and sound insulation. Prerequisites: Physics I and II.

Physical Measurements

3 semester hours

A course in the study of various precision measuring devices. The principles of operation and practical uses are emphasized. Some instruments used are vernier calipers, micrometers, spherometers, cathetometers, micrometer microscopes, pressure gauges, audiometers, sextants, Jolly balances, photometers, spectrometers, potentiometers, ballistic galvanometers, and oscilloscopes. Prerequisites: Physics I and II.

Modern Physics

3 semester hours

A study of twentieth century physics. The course includes the development in thermionics, x-rays, and radioactivity. Considerable attention is given to the modern concepts of atomic structure together with the mechanisms of release of atomic energy and its subsequent utilization. Prerequisites: Physics I and II.

SOCIAL STUDIES DEPARTMENT

DR. ANDES, *Head of the Department*

Dr. Heim, Dr. Vollbrecht, Dr. Cuncannon, Mrs. Ivins, Mr. Shaffer, Mr. Harding,
Dr. Fleck, Dr. Everett.

General

World Culture I and II

10 semester hours

Presenting the origin, development, and influence of the governmental and social organization, economic activity, religious belief and practice, literature, and fine arts as they have contributed to our modern civilization. It deals with broad sweeping movements rather than details of the individual state or nation. Six semester hours will be allowed for World Culture I and II toward certification in social studies, history, or social science.

American Citizenship

6 semester hours

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

**Teaching of Social Studies in
Secondary Schools***3 semester hours*

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

History**History of Civilization I and II***6 semester hours*

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

**History of United States
and Pennsylvania I***3 semester hours*

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

**History of the United States
and Pennsylvania II***3 semester hours*

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

History of Pennsylvania*3 semester hours*

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

Diplomatic History of the United States *3 semester hours*

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

History of Europe to 1815 *3 semester hours*

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

History of Europe Since 1815 *3 semester hours*

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

Renaissance to Reformation *3 semester hours*

A study of the Renaissance and Reformation with particular emphasis on the important political, economic, social, and cultural forces that emerged during this period of transition and ushered in the modern western culture. Emphasis is placed on the evolution of modern states and the rise of individualism.

History of England *3 semester hours*

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

Twentieth Century World History *3 semester hours*

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

**International Relations 1919 to
the Present***3 semester hours*

A study of the modern economic, social, political, religious, and cultural problems that reflect the influence of international relationships of the nations of the world using the United States as the point of departure. Special attention is paid to the struggle of the people through their representatives in international conferences and organizations to resolve their differences.

History of Latin America*3 semester hours*

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

History of the Middle East and India*3 semester hours*

A study of the various civilizations that developed in this area with regard to their contributions as they influenced both oriental and occidental achievements. Special emphasis is placed on the modern aspects of their relation to world knowledge and to problems of current international interest.

History of the Far East*3 semester hours*

A study of the development of the people of China, India, Japan, Indonesia, and the Pacific Islands. Attention is given to their cultures and developmental problems as they are related to each other and to the occident.

Social Science**Principles of Economics***3 semester hours*

A study of the economic principles which are fundamental for an appreciation of our modern economy. While stressing the forces and factors that explain production, distribution, and consumption in our capitalistic order, much attention is also given to practical economic matters, including labor problems, co-operative movements, and business management.

Contemporary Economic Problems*3 semester hours*

A study of certain of our more crucial present day problems such as: labor relations, money and banking, international trade, government regulation.

Consumer Education*3 semester hours*

A course designed to develop techniques and methods which will enable the buyer to evaluate, on a quality and price basis, the myriad goods sold in the modern market place. Among the matters considered are the following: installment buying, choice of product, insurance, advertising, and others of similar importance.

Industrial Relations*3 semester hours*

A history of the industrial movements in order to understand the problems involved in the background. Then follows a study of human relationships in industrial enterprise, the place of collective bargaining, and personnel administration.

Principles of Sociology*3 semester hours*

A basic course in sociology dealing with the interaction arising from the association of human beings. Emphasis is placed upon natural and social heritage, the meaning and functions of culture, the origin, function, and characteristics of social institutions, such as the family, religion, and the state; inquiry into the nature and genesis of social pathology.

Contemporary Social Problems*3 semester hours*

An advanced course in sociology. It deals with several problems such as poverty, unemployment, crime, divorce, and mental maladjustment. Lectures, reports, and seminar techniques are used.

Home and Family Living*3 semester hours*

The development of the family and the home in its historical, economic, and legal aspects. The various factors influencing the organization, disorganization, and reorganization of the family are considered, as well as the modern trends in this basic institution.

American Government*3 semester hours*

A study of the general principles of the American system of constitutional government; special emphasis is placed upon the organization and functions of the national government—legislative, executive, and judicial; the rights and duties of citizenship; the electorate, political parties, civil rights, and the growing regulatory functions of government are carefully treated.

State and Local Government*3 semester hours*

The organization, structure, and functions of our state, county, and city governments. Consideration is given to modern administrative techniques and methods as they apply to state and local governmental units. Special emphasis is placed upon Pennsylvania state and local governmental organs.

Municipal Government*3 semester hours*

The history, organization, structure, and functions of the major types of city government in the United States. Consideration is given to the development of modern administrative techniques and methods as they apply to municipalities. The prevailing forms of government and administration used by boroughs and townships in Pennsylvania are surveyed.

Comparative Government*3 semester hours*

Major attention is given to Great Britain and Soviet Russia as best representing, among foreign governments, the democratic and authoritarian systems. Brief consideration is given to the governments of France, Italy, Germany, and Japan. Frequent comparison and contrasts are drawn between these governments and government in the United States.

United Nations Organization and Functions *3 semester hours*

The background of the efforts of nations to bring about mutual understanding among all peoples. The causes are studied which resulted in the development of the United Nations Organization. The component parts of the Organization are carefully analyzed. The accomplishments to date to establish world peace are carefully examined.

SUMMER SESSIONS OF 1955

Pre-Session:	3 weeks—June 6 to June 24
Regular Session:	6 weeks—June 27 to August 5
Post Session:	3 weeks—August 8 to August 26

Credit Secured in Summer School

By action of the Board of Presidents of the State Teachers Colleges, no student will be allowed to secure more credits than the number of weeks in a session except by special permission of the President and the Dean. A student may enroll for one, two, or all three sessions. By attending all twelve weeks a student can complete twelve semester hours of credit.

Expenses and Fees *

Board and room are \$12. a week. The Activity Fee for the Regular Session is \$2.50 and for the Pre-Session and Post-Session \$1.25 each. Books must be purchased. They will cost approximately \$15. A fee of \$7.50 per semester hour of credit, covering instructional costs, is charged for residents of Pennsylvania; out-of-state students also pay at the rate of \$7.50 per credit hour. The full expense of any summer session must be paid on the day of registration.

Health and Physical Education

During the Summer Sessions, the College plans to offer courses in the Health and Physical Education curriculum. The courses to be offered will be of collegiate grade and will carry credit toward the B.S. degree in the field of health and physical education. The program will interest and appeal to the following groups of people:

1. Those who are planning to meet requirements for the degree in health and physical education;
2. Graduates of other curricula who now plan to secure teaching certification in the health and physical education field;
3. Teachers in service who are called upon to teach and supervise health and physical education and playground work and who desire to meet the state requirements for this work.

* Fees subject to change without notice.

Music Education

During the Summer Sessions the College plans to offer courses in Music Education for three classes of people:

1. Those who are planning to meet requirements for the degree in music education;
2. Supervisors of music in the elementary or secondary schools who are desirous of furthering their musical education;
3. Those who have done advanced or somewhat irregular work in music and who wish to continue their education in the four-year college curriculum.

In the Summer Sessions, courses will be offered only when a sufficient number of students apply for them.

More detailed information about the Summer Sessions will be sent upon request to the Registrar, State Teachers College, West Chester, Pennsylvania.

EXTENSION WORK *

Extension courses permitted in the four-year curricula for the preparation of teachers of the public schools:

1. The College adheres to the regulations set up by the American Association of Colleges for Teacher Education. A committee of this Association has recommended that extension credits be limited to thirty-two semester hours in the four-year curricula;
2. Any courses in the four-year curricula may be offered by the State Teachers Colleges subject to the standards approved by the State Council of Education;
3. Credit for equivalent courses given by other institutions may be given subject to the thirty-two semester hour limit and provided the courses have been given in accord with the standards of the State Council of Education;
4. Extension credits previous to June 1, 1941, shall be in accord with the limited list in effect at that time.

* The State Teachers College at West Chester does not offer courses by correspondence, nor does it grant credit for courses taken through correspondence.

COLLEGE COURSES FOR TEACHERS

Each semester a number of courses may be offered in the evenings and on Saturday mornings. These courses are planned for teachers in service who wish to continue their work toward a degree. The courses given are selected from the several curricula and are chosen with the idea of accommodating as many teachers as possible.

The cost of these courses is at the rate of \$7.50 per semester hour of credit for legal residents of Pennsylvania and for out-of-state students.

No Activity Fee is charged students who are enrolled in the College Courses for Teachers. The payment of the Activity Fee does, however, entitle the student to participate in all student activities and college activities that are provided for by this fee.

Not more than six semester hours of credit will be allowed for courses completed in any one semester by a student who during such term, is a regularly employed full-time teacher.

The College gladly welcomes any suggestions for courses to be offered evenings and Saturdays. Such requests should be mailed to the Dean of Instruction.

**ENROLLMENT BY CLASS AND CURRICULA
1954-1955**

	<i>Men</i>	<i>Women</i>	<i>Total</i>	<i>Curricula Total</i>
ELEMENTARY EDUCATION -----				734
Freshman -----	22	189	211	
Sophomore -----	18	177	195	
Junior -----	12	165	177	
Senior -----	19	132	151	
SECONDARY EDUCATION -----				336
Freshman -----	75	32	107	
Sophomore -----	62	29	91	
Junior -----	52	23	75	
Senior -----	46	17	63	
HEALTH AND PHYSICAL EDUCATION -----				383
Freshman -----	103	54	157	
Sophomore -----	50	50	100	
Junior -----	36	35	71	
Senior -----	32	23	55	
MUSIC EDUCATION -----				252
Freshman -----	47	42	89	
Sophomore -----	32	32	64	
Junior -----	30	26	56	
Senior -----	18	25	43	
COLLEGE GRADUATES -----	3	5	8	8
STUDENT NURSES -----		26	26	26
PUBLIC SCHOOL NURSES -----				4
	-----	-----	-----	-----
Totals				
Full-time Students ----	657	1086	1743	1743
College Courses for Teachers (Part-Time) -----	11	177	188	188
	-----	-----	-----	-----
Total College Enrollment ----	668	1263	1931	1931

1954 SUMMER SESSION ENROLLMENT

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Pre-Session -----	98	206	304
Regular Session -----	135	440	575
Post-Session -----	86	201	287

ENROLLMENT BY COUNTIES

1954-55

Adams -----	5	Lebanon -----	15
Allegheny -----	2	Lehigh -----	46
Armstrong -----	1	Luzerne -----	41
Beaver -----	1	Lycoming -----	7
Bedford -----	6	McKean -----	1
Berks -----	69	Mifflin -----	12
Blair -----	13	Monroe -----	2
Bradford -----	1	Montgomery -----	152
Bucks -----	76	Northampton -----	50
Cambria -----	1	Northumberland -----	15
Carbon -----	11	Perry -----	5
Center -----	6	Philadelphia -----	368
Chester -----	203	Pike -----	3
Clearfield -----	1	Potter -----	2
Columbia -----	3	Schuylkill -----	28
Crawford -----	8	Snyder -----	2
Cumberland -----	13	Somerset -----	1
Dauphin -----	37	Sullivan -----	1
Delaware -----	347	Susquehanna -----	5
Franklin -----	9	Union -----	5
Fulton -----	1	Wayne -----	4
Huntingdon -----	2	Westmoreland -----	2
Lackawanna -----	14	Wyoming -----	1
Lancaster -----	43	York -----	24
		Total from Penna. -----	1662
		From other states -----	81
		Total -----	1743

DEMONSTRATION SCHOOL

1954-1955

Kindergarten -----	27	Fourth Grade -----	25
First Grade -----	30	Fifth Grade -----	25
Second Grade -----	29	Sixth Grade -----	24
Third Grade -----	29		
		Total -----	189

INDEX

	Page
Accreditation of the College	2
Administrative Officers	9
Admission to the College	41
All-Star Course	31
Alumni	40
Application for Admission	44
Areas of Specialization in the Secondary Field	67
Art, Description of Courses	90
Art, Faculty	90
Athletics, Intercollegiate	33
Athletics, Intramural	34
Athletics, Women's Recreation Association	34
Attendance, Class and Convocation	39
Biology, Required and Elective Courses	74
Board of Trustees	8
Book Store	48
Buildings and Grounds	25
Calendar	6
Campus Map	155
Certification Requirements	87
Chemistry, Required and Elective Courses	75
Classification of Students	36, 46
College Community Organization and Administration	30
College Courses for Teachers	148
Convocations	31
Cooperating Training Teachers	21
Correspondence and Communications	5
Curricula Offered	64
Dean's List	38
Dental Hygienists Curriculum	82
Dismissals from College	40
Education, Description of Courses	91
Education, Faculty	91
Education for Safe Living	79, 118
Elective Courses, Elementary	65
Elective Fields, Secondary	67
Elementary Curriculum	64
Employment, Student	54
English, Description of Courses	96
English, Required and Elective Courses	67
English, Faculty	96
Enrollment, By Counties	150
Enrollment, By Class and Curricula	149
Enrollment, Demonstration School	150
Enrollment, Summer Sessions	149
Entertainment Course	31
Evaluation of Credentials	44
Expenses	55
Extension Work	147
Extra-Curricular Activities	49
Extra-Curricular Requirements	50
Faculty	10
Fees	55
French, Description of Courses	102
French, Electives	69
Full-time Students	40
Geography, Description of Courses	104
Geography, Required and Elective Courses	70
Geography, Faculty	104
Graduation	40
Gymnasiums	27
Health and Physical Education Curriculum	77
Health and Physical Education, Description of Courses.....	108

INDEX (Continued)

	Page
Health and Physical Education, Faculty	108
Health Service	34
History of the College	23
Honor Roll	38
Housing	47
Information for Veterans	46
Intercollegiate Athletics	33
Intramural Athletics	34
Latin, Description of Courses	103
Latin, Required Courses	69
Laundry	48
Library	27
Loans	53
Location of the College	24
Marking System	36
Mathematics, Description of Courses	118
Mathematics, Required and Elective Courses	71
Mathematics, Faculty	118
Music Education Curriculum	80
Music, Description of Courses	121
Music, Faculty	121
Musical Organizations	32
Pennsylvania Regional Film Library	36
Physics, Required and Elective Courses	76
Placement Service	35
Public School Nurses Curriculum	85
Public School Nursing Courses	131
Publications	50
Purpose of the State Teachers College at West Chester.....	28
Recreation Leadership	78
Registration Blank	153
Regulations Concerning Dormitory Guests	48
Regulations Concerning Dormitory Students	47
Remedial Instruction	39
Reports to Parents	38
Resident Credit Requirements	39
Scholarship Requirements	38
Scholarships	51
School Nurses Curriculum	85
School Nursing Courses.....	131
Science, Description of Courses	132
Science, Required and Elective Courses	74
Science, Faculty	132
Secondary Education Curriculum	65
Secondary Education, Elective Fields	67
Selective Service Information	46
Social Studies, Description of Courses	140
Social Studies, Required and Elective Courses	71
Social Studies, Faculty	140
Staff, Business Office	19
Staff, Health Service	19
Staff, Maintenance	20
Staff, Secretarial	19
Student Class Load	40
Student Government	31
Student Health Service	34
Student Life	46
Student Teaching	38
Summer Sessions	146
Transcripts	39
Trustees, Board of	8
Withdrawals from College	39
Women's Recreational Association ...	34

REGISTRATION

The State Teachers College at West Chester devotes its entire facilities to the training of personnel for the public schools. If you are interested in earning the degree of Bachelor of Science in Education and a college certificate valid for teaching in the public schools of Pennsylvania, please fill in the form at the bottom of this page and return it to the Registrar, State Teachers College, West Chester, Pa.

(Cut Here)

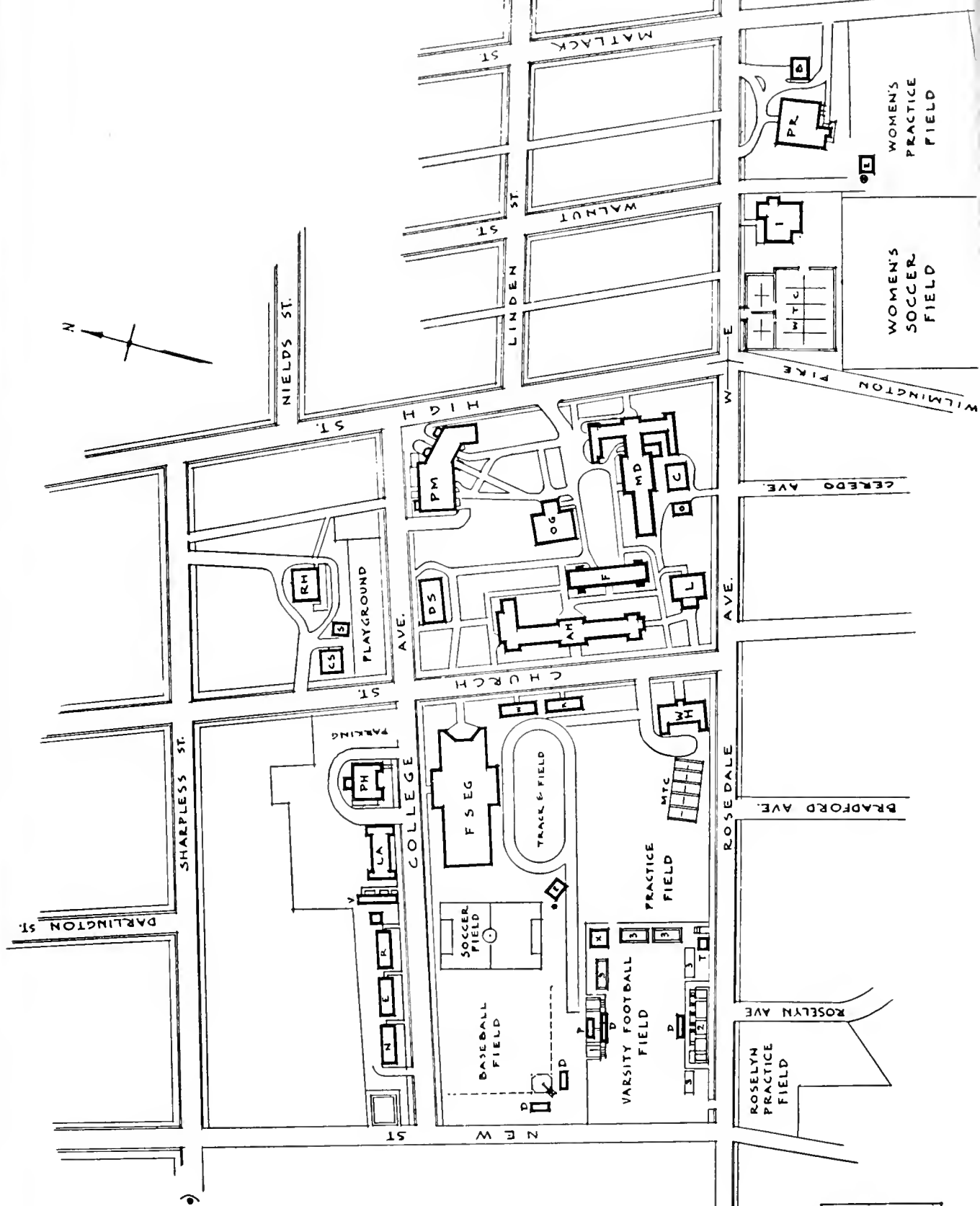
STATE TEACHERS COLLEGE
(3-55) WEST CHESTER, PENNSYLVANIA (Use Ink)
PRELIMINARY REGISTRATION

1. Name -----
(Last)
(First)
(Second)
2. Number and Street----- County-----
3. City----- Zone----- State-----
4. When do you wish to enter this College?
 Month (September, January or June)-----19-----
5. In what curriculum do you wish to enroll?
 Elementary----- Secondary----- Physical Ed.----- Music-----
 If Secondary Education, list Major----- Minor-----
6. Have you attended any other college? Yes----- No----- If so,
 give name of the college-----
7. Do you apply as a Resident Student?----- Day Student?-----
8. Are you a veteran eligible for training under P. L. 16? Yes----- No-----
 P. L. 346? Yes----- No-----
 P. L. 550? Yes----- No-----

NOTE: When this information has been received by the Registrar, instructions for completing your application will be sent to you.



- 1 - NORTH GRAND STAND (STUDENTS)
- 2 - PUBLIC - RESERVE SEATING
- 3 - GENERAL ADMISSION BLEACHERS
- AH - ANDERSON HALL (STUDY)
- B - BARN
- C - CULINARY
- CS - CARPENTER SHOP
- D - DUG OUTS
- DS - DEMONSTRATION SCHOOL
- E - EQUIPMENT STORAGE (MEN - WOMEN)
- EI - EISENHOWER BARRACKS (MEN)
- F - FRESHMAN HALL (WOMEN)
- FSEG-FIELD HOUSE - SWIMMING POOL
EHINGER GYMNASIUM
- I - INFIRMARY
- K - KING BARRACKS (MUSIC PRACTICE)
- L - DR. GREEN MEMORIAL LIBRARY
- LA - LAUNDRY
- MD - MAIN DORMITORY (WOMEN)
- MTC - MEN'S TENNIS COURTS
- N - NIMITZ BARRACKS (MEN)
- O - OIL GAS PAINT STORAGE
- OG - OLD GYMNASIUM
- P - PRESS BOX
- PH - POWER HOUSE GARAGE
- PM - PHILIPS MEMORIAL
- PR - PRESIDENT'S HOME
- R - ROOSEVELT BARRACKS (MEN)
- RH - REYNOLDS HALL
- S - SPRING HOUSE
- T - TICKET OFFICE (GEN. ADMISSIONS)
- V - VANDERGRIFT BARRACKS (MEN)
- W - WASHINGTON BARRACKS (MEN)
- WH - WAYNE HALL (MEN)
- WTC - WOMEN'S TENNIS COURTS
- X - CONCESSION STAND



PLOT PLAN
 STATE TEACHERS COLLEGE
 WEST CHESTER, PA.
 15 OCTOBER '52





STATE TEACHERS COLLEGE BULLETIN

●

SUMMER SESSIONS

1956



Advance Announcement

REGULAR SESSION

1956-1957

●

STATE TEACHERS COLLEGE

West Chester, Pennsylvania

COLLEGE ADMINISTRATIVE OFFICERS

CHARLES S. SWOPE.....President

L. FORREST FREE.....Dean of Instruction

B. PAUL ROSS.....Registrar and Director of Admissions

EARL F. SYKES.....Director of Student Teaching
and Placement

MARK M. EVANS.....Director of Elementary Education and
Principal of the Demonstration School

M. JANE CATON.....Dean of Women

BERNICE H. BERNATZ.....Assistant Dean of Women

JUNE E. STUCKEYAssistant Dean of Women

W. GLENN KILLINGER.....Dean of Men and
Head Coach of Football and Baseball

WILLIAM R. BENNER.....Assistant Dean of Men and
Faculty Manager of Athletics

EMIL H. MESSIKOMER.....Director of Personnel and
Head Coach of Basketball

EVERETT E. SHAEFER.....Bursar

HERBERT CLAVIERSteward
and Superintendent of Buildings and Grounds

STATE TEACHERS COLLEGE BULLETIN

VOL. LXXXIV

FEBRUARY, 1956

NUMBER 1

Issued four times a year—February, March, April and May
—by the Trustees of the State Teachers College, West
Chester, Pennsylvania.

Entered as Second-Class Matter March 3, 1931, at the Post
Office at West Chester, Pa., under the act of Congress of
August 24, 1912.

CALENDAR 1956-57

THE PRE-SESSION

Registration:

8:30-11:30 A.M.-----Monday, June 4
Classes begin 1:30 P.M.-----Monday, June 4
Classes end-----Friday, June 22

THE REGULAR SESSION

Registration:

8:30-11:30; 1:30-3:30-----Monday, June 25
Classes begin-----Tuesday, June 26
Classes end-----Friday, August 3

THE POST-SESSION

Registration:

8:30-11:30 A.M.-----Monday, August 6
Classes begin 1:30 P.M.-----Monday, August 6
Classes end-----Friday, August 24

THE ACADEMIC YEAR

1956-57

The First Semester

Registration of Freshmen
and Seniors-----September 10
Registration of
Sophomores and Juniors-----September 11
Classes begin at 8:00 A.M.-----September 12
Thanksgiving Recess begins
at the close of classes-----November 20
Thanksgiving Recess ends
at 8:00 A.M.-----November 26
Christmas Recess begins
at noon-----December 15
Christmas Recess ends
at 8:00 A.M.-----January 3
First Semester ends
at noon-----January 23

The Second Semester

Registration-----January 28
Classes begin at 8:00 A.M.-----January 29
Easter Recess begins at
the close of classes-----April 16
Easter Recess ends at 8:00 A.M.-----April 23
Alumni Day-----May 25
Baccalaureate Service-----May 26
Commencement-----May 27

Some Important Facts

About West Chester State Teachers College

West Chester is the largest State Teachers College and largest under-graduate school of education in Pennsylvania. It is accredited by the Middle States Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education.

A large staff of college teachers is second to none in educational qualifications, experience, and actual performance in teacher education.

Modern and adequate science laboratories, instructional equipment, and classroom facilities are provided.

An All-Star Entertainment Course brings yearly to the campus some of the nation's most famous artists in the fields of music, drama, and letters. Among these have been Lawrence Tibbett, Jascha Heifetz, Mrs. Eleanor Roosevelt, the late Grace Moore, the Cleveland Symphony Orchestra, Helen Traubel, H. R. Knickerbocker, Marian Anderson, Eugene List, H. R. Baukhage, Jose Iturbi, the Rochester Philharmonic Orchestra, Christopher Lynch, Rise Stevens, Columbus Boy-Choir, James Melton, Margaret Chase Smith, Robert Shaw Chorale, Philharmonic Piano Quartet, Eleanor Steber, Eva Le-Gallienne, Patrice Munsel, Little Singers of Paris, Robert Merrill, Yehudi Menuhin, Roberta Peters, Cesare Siepi, Walter Cassel, and Jan Peerce.

In addition to regular courses for preparing ELEMENTARY and SECONDARY teachers, West Chester has two special curricula preparing teachers in MUSIC and HEALTH AND PHYSICAL EDUCATION.

The College maintains an active Placement Service without cost to graduates.

SUMMER SESSIONS

GENERAL STATEMENT

The twelve-weeks summer sessions are divided into three periods: the Pre Session of three weeks, the Regular Session of six weeks, and the Post Session of three weeks. The schedule includes courses for regular college students and a number of special offerings for teachers in service.

West Chester State Teachers College is located in a beautiful residential town of Chester County, near historic Brandywine and Valley Forge. Students enjoy the added advantage of easy access to Philadelphia, New York, and Atlantic City.

The College provides for its wide area of service a modern, progressive, and constantly expanding co-educational program. The major aim of this program is the preparation of teachers particularly for the public schools of the Commonwealth of Pennsylvania. Students who have attended summer sessions at West Chester know it is an ideal place to combine serious study with wholesome recreation and student life.

SOCIAL AND RECREATIONAL PROGRAM

A summer at West Chester gives the student an opportunity to pursue college work under the most favorable conditions. The tree-shaded campus, with its conveniently located buildings, provides a beautiful and restful environment.

Opportunities for recreation are manifold: softball, tennis, folk dancing in the quadrangle, and even croquet for those who enjoy such activities. Social hours, when the students may talk informally with their teachers over a cup of tea, are a feature of the Pre and Post Sessions.

The borough and vicinity of West Chester are beautiful and at the same time provide material for study and research in history, science, and the arts. Philadelphia excels in scenic and historic interest, and special trips to the city will be arranged for those interested in taking advantage of these opportunities.

Seeing the world-famous fountains at Longwood Gardens, taking the Delaware River boat trip, picnicking at Hopewell Park, canoeing on the Brandywine, taking advantage of the best in music, art, and the theatre—these are some of the events that make a summer at West Chester much to be desired.

DEMONSTRATION SCHOOL

The Demonstration School will be open during the six weeks' session for the purpose of demonstrating teaching at the elementary level. Experience in student teaching will be available for a limited number of students who file applications early in the spring.

WORKSHOP IN ELEMENTARY EDUCATION

A workshop in elementary education will be conducted to provide opportunity for study of newer practices in elementary education. Current problems will be shared by the members of the group. Discussions will be led by an experienced coordinator, and master teachers and the facilities of the Demonstration School will be utilized for demonstration and observation. The workshop will meet during the first and second periods (8:00-11:00) during the Regular Summer Session and will carry four semester hours of credit. Students may elect an additional three credit course.

WORKSHOP IN COMMUNITY AND SCHOOL HEALTH EDUCATION

The Community and School Health Education Workshop for rural teachers, school nurses, health education specialists, and others engaged in health work will be conducted during the three-week period from June 25 to July 13. Three college credits may be earned by students who meet the College admission requirements. No additional courses may be carried by the student during this three-week session. Information concerning the program may be secured from your local County Superintendent of Schools.

Registration for the Health Education workshop may be completed as follows:

1. Apply to ONE of the following for application forms:
 - a. The Executive Secretary of the County Tuberculosis and Health Society of the county in which you reside;
 - b. The County Superintendent of Schools of the county in which you reside;
 - c. The Registrar, State Teachers College, West Chester, Pennsylvania.
2. File application not later than June 1.
3. If notified of acceptance, report to Recreation Hall on June 25 to complete registration.

ELECTIVE COURSES IN MUSIC FOR STATE CERTIFICATION REQUIREMENTS

Courses especially designed to assist in the teaching of music in the elementary grades will be offered during the Regular Session. These courses may be submitted toward the requirements for permanent state certification.

For Elementary teachers:

1. Piano Class for Elementary Teachers;
2. Teaching Music Appreciation in the Elementary Grades;
3. Teaching Music Through Song and Rhythm Materials.

For Music supervisors:

1. Seminar in Piano Teaching and Teaching Materials;
2. Teaching Music Appreciation in the Elementary Grades;
3. Teaching Music through Song and Rhythm Materials.

CREDITS

Credits for the summer sessions may be earned at the rate of one semester hour per week of work. Thus, a student attending all three sessions may earn twelve credits.

Students will not be permitted to carry more than six semester hours of work in the Regular Session unless permission to do so has been secured in advance from the Dean of Instruction.

HOUSING

There will be adequate housing available for all men and women students for all three summer sessions. The College is unable, however, to provide housing for married students and their families. A limited number of rooms are available in the Borough of West Chester, but the College cannot accept the responsibility for obtaining such housing.

COLLEGE REGULATIONS

The same college regulations pertaining to student procedure and conduct in effect during the academic year at West Chester State Teachers College are effective for the three summer sessions.

REGISTRATION

Admission as a student to any summer session does not establish priority or privilege for admission as a student for the regular academic year, 1956-1957.

1. DATES, TIME, AND PLACE. Registration for each summer session will be held in Recreation Hall of the Philips Memorial Building on the opening day of the session as follows:

Pre-Session -----June 4, 8:30-11:30 A.M.

Regular Session-----June 25, 8:30-11:30 A.M.
1:30-3:30 P.M.

Post Session -----Aug. 6, 8:30-11:30 A.M.

The College will operate on Daylight Saving Time.

2. PROCEDURE. Application for admission to any or all of the summer sessions may be made by filling in a form which may be secured from the Registrar, State Teachers College, West Chester, Pennsylvania. Upon filing an application, a student may consider himself accepted, unless notified otherwise, and he should report for registration on the day or days indicated in the Summer Sessions calendar.

3. LATE REGISTRATION. Since the summer sessions are short, it is necessary for students to register at the times indicated as registration periods. Unless a student is registered and attends the first class in the Pre and Post Sessions, he cannot be accepted as a student in those sessions. NO LATE REGISTRATIONS WILL BE PERMITTED.

For acceptable reasons, a student may register not more than one day late in the Regular Session. No additional absences will be permitted to secure full credit for the courses taken. A late registration fee will be charged.

CLASS MEETINGS AND PERIODS

In each of the three summer sessions classes will be held on all weekdays except Saturdays.

No class cuts are permitted during the Summer Sessions.

PRE AND POST SESSIONS. The first session of classes in the Pre and Post Sessions will be held on registration day from 1:30-4:00 P.M. After the first day, each class will meet twice daily, 8:00-9:30 A.M. and 10:30-12:00 A.M. The hour from 9:30-10:30 is for rest, library work, or recreation. It will not be possible for a student to carry more than one course during either the Pre or Post Session since all courses meet concurrently.

REGULAR SESSION. Classes begin on Tuesday and meet once daily (unless otherwise indicated) at the time stated in the schedule. The time schedule for classes during the Regular Session will operate on Daylight Saving Time as follows:

8:00- 9:30	First Period
9:30-11:00	Second Period
11:00-12:30	Third Period
12:30- 1:30	Luncheon
1:30- 3:00	Fourth Period

* FEES

I. Regular Summer Session—6 weeks

1. CONTINGENT FEE for the Regular Summer Session.

The contingent fee is \$7.50 per semester hour of credit. A minimum contingent fee of \$22.50 will be charged.

Students who enroll in the Health Education Curriculum are charged an additional fee of \$6.

Those who enroll in the Music Education Curriculum and are taking work toward music certification, but without private lessons, pay an additional music fee of \$15.

Applied music fees for accelerating Music students who attend *both* Pre and Regular Sessions are as follows: \$15. for Pre-Session and \$30. for Regular Session.

If applied music is consolidated in the Regular Session, the music fee will be \$45. No applied music will be offered during the Post-Session. Any variation in the number of private lessons is prorated accordingly.

2. HOUSING FEE for the Regular Summer Session.

The housing rate for students is \$72. This includes room, meals, and limited laundry.

- (1) An additional charge of \$3. is made for rooms with running water.
- (2) No reduction in the rate is made for laundry done at home nor for absences of a few days at a time.
- (3) A student may, at the discretion of the President of the College, occupy a double room by paying an additional \$12.
- (4) The rate for separate meals is:

Breakfast \$0.50	Lunch \$0.75
Dinner \$1.00	

3. THE STUDENT ACTIVITY FEE for the Regular Summer Session is \$2.50.

4. BOOKS MUST BE PURCHASED. They will cost approximately \$10.

* These fees are subject to change without notice. All charges for a session must be paid on the day of registration.

5. OTHER CHARGES.

- (1) Music Education Students
 - A. Pipe organ for practice, \$12. per session.
 - B. Rental of orchestral instruments, \$2. per session.
- (2) Academic Students.
 - A. Private half-hour lessons in voice, piano, band, or orchestral instruments, \$8. per session. Pipe organ, \$14.
 - B. Rental of piano or orchestral instruments for practice, \$2. per session.
 - C. Rental of pipe organ for practice, \$12. per session.
- (3) Private voice and piano lessons for Music Education Students carry one extra credit costing \$7.50. Chorus, Band, and Orchestra carry one-half hour of credit. (This is in addition to the regular \$15. music fee.)
- (4) Late Registration Payment—\$1. for one day possible only in the Regular Session. No late registrations are permitted in the Pre and Post Sessions.
- (5) Degree Fee—\$5. to be paid by each candidate for a degree.

II. Pre-Session and Post-Session

1. CONTINGENT FEE for Pre and Post Sessions:

The contingent fee for the Pre-Session and Post-Session is \$7.50 per semester hour of credit.

Students in either of these sessions who enroll in the Health and Physical Education Curriculum are charged an additional fee of \$3.

Those who enroll in the Music Education curriculum and take work toward music certification, but without private lessons, pay an additional music fee of \$7.50. Students accelerating in the Music curriculum pay on the same basis as those students in the Regular Summer Session. Any variation in the number of private lessons is prorated accordingly.

2. HOUSING FEE for Pre and Post Sessions:

The housing fee for the Pre and Post Sessions is \$36. for each session. This fee includes room, meals, and limited laundry.

3. THE STUDENT ACTIVITY FEE for Pre and Post Sessions is \$1.25 for each session.

4. **BOOKS MUST BE PURCHASED.** They will cost approximately \$5.
5. **OTHER CHARGES**—for each session, one-half of those listed under Section 5 above for the Regular Session.

OPPORTUNITIES FOR EMPLOYMENT AND LOANS

Students interested in securing employment should consult the Director of Personnel. Full information concerning student loans will be found in the general college catalog.

PLACEMENT

The Placement Bureau of the College offers excellent opportunities for employment in teaching. Graduates are invited to make use of this bureau without cost.

CERTIFICATION OF TEACHERS

School Laws of Pennsylvania, Section 1202. State Certificates.—

“State certificates shall be issued as herein provided. Each such certificate shall set forth the branches which its holder is entitled to teach. No teacher shall teach, in any public school, any branch which he has not been properly certificated to teach

“A certificate to teach shall not be granted or issued to any person not a citizen of the United States, except in the case of exchange teachers not permanently employed and teachers employed for the purpose of teaching foreign languages.”

Provisional College Certificate

A student who satisfactorily completes one of the curricula offered by the College receives his degree from the College and qualifies for a Provisional College Certificate which is issued to him upon application to the Department of Public Instruction, Harrisburg, Pennsylvania.

In the elementary field this certificate qualifies the holder to teach in the public elementary schools of Pennsylvania for three years.

In the secondary field this certificate qualifies the holder to teach the subjects written thereon in the public secondary schools of Pennsylvania for three years.

In health education and music education the certificate qualifies the holder to teach and supervise

the special subject in both elementary and secondary public schools of Pennsylvania for three years.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of this Commonwealth under the Provisional College Certificate and the satisfactory completion of six semester hours of additional work of collegiate grade, completed subsequent to the issuance of the baccalaureate degree. One-half of the additional work must be professional and the remainder related to the subject or subject fields on the certificate. This certificate is then a permanent license to teach.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by completing thirty semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. At least one course in each of the following must be included: art, music, and health.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the professional and academic standards required for the original issue of such certificate.

A student who has qualified for an elementary certificate will have completed the required Professional Orientation, Educational Psychology, and certain academic credits. Additional work will be required to meet the following standards:

- a. Eighteen semester hours of approved academic work in the subjects to be written on the certificate;
- b. Secondary education—six semester hours;
- c. Student teaching on the secondary level—six semester hours.

3. A college certificate valid for the secondary field may be extended to include additional academic subjects when the holder has completed eighteen semester hours of approved education in each subject to be added to the certificate.

Certification in Other States

Concerning the requirements for certification for teaching in other states, students should consult the Dean of Instruction.

Courses Offered

SUMMER SESSIONS 1956

The College reserves the right to withdraw any course if fewer than 15 students enroll for it.

PRE-SESSION

June 4—June 22

(Each Class meets 8:00-9:30 A.M. and 10:30-12:00 A.M.)

<i>Courses</i>		<i>Credit</i>
ART		
No Offerings		
EDUCATION		
General Psychology		3
Educational Psychology		3
Professional Orientation		3
Teaching of Reading		3
Professional Practicum (Secondary)—Limited to students approved for secondary student teaching in the Regular Session		2
ENGLISH		
English Literature		3
Communication II (Composition)		3
(Students who entered in January 1956 are encouraged to take this course)		
Short Story		3
GEOGRAPHY		
World Geography		3
Geography of Europe		3
MATHEMATICS		
No Offerings		
HEALTH AND PHYSICAL EDUCATION		
No Offerings		
MUSIC		
Piano		1/2
Voice		1/2
History of Music II		3
SCIENCE		
Basic Biology		3
Science for Elementary Grades		3
Basic Physical Science		3
SOCIAL STUDIES		
History of Civilization I		3
History of the United States and Pennsylvania I		3
History of the United States and Pennsylvania II		3
American Government		3
Teaching Social Studies and Geography		3
Home and Family Living		3

REGULAR SESSION

June 25—August 3

(Classes meet daily Monday to Friday, inclusive,
unless otherwise indicated)

STUDENT TEACHING: (Application should be filed prior to May 1.)

Health and Physical Education (6 credits)—
June 25 to August 3.

Elementary (6 credits)—June 25 to August 3

*Secondary (6 credits)—June 18 to July 27.

*Enrollment in Professional Practicum (Secondary), June 11-15 and July 30-August 3 is required of those who register for Secondary Student Teaching. Students report for registration and class as instructed by the Director of Student Teaching.

FIRST PERIOD—8:00-9:30 A.M.

<i>Courses</i>	<i>Credit</i>
Introduction to Art.....	2
Arts and Crafts.....	3
Educational Psychology.....	3
Child Development.....	3
History of Education (M T W Th)	2
Workshop in Elementary Education	4
(8:00-11:00 A.M.; see page 6)	
Workshop in Community and School Health Educa- tion	3
(June 25—July 13)	
Communication I (Composition)	3
Communication II (Composition)	3
The Novel to 1870	3
Geography of the United States and Pennsylvania....	3
Teaching Health in the Elementary School	2
Psychology of Accident Prevention (Safety Education)	3
College Algebra	3
Trigonometry	3
Solfeggio II	2
Introduction to Music	2
Basic Physical Science	3
Science for the Elementary Grades	3
Family Case Work	3
American Government	3
Home and Family Living	3

SECOND PERIOD—9:30-11:00 A.M.

Problems in Art Education	3
General Psychology	3
Pre-School Education	3
Audio-Visual Education.....	2
Mental Hygiene	3
Professional Orientation	3
English Philology and Grammar.....	3
Dramatics in the Elementary Grades	3
Play Production	3
World Geography.....	3
Driver Education and Training (Safety Education) ..	3
Teaching of Arithmetic	3

<i>Courses</i>	<i>Credit</i>
Seminar in Piano Teaching and Teaching Materials	3
Piano Class for Elementary Teachers	3
Teaching of Music Appreciation in the Elementary Grades	3
Theory of Music (9:30-12:00 A.M.)	3 or 4
Teaching of Elementary Science	3
Science in Modern Civilization	3
Economics	3
History of the United States and Pennsylvania II	3
History of Pennsylvania	3

THIRD PERIOD—11:00 A.M.-12:30 P.M.

Teaching of Art in the Elementary Grades	3
Teaching the Exceptional Child	3
Vocational Guidance and Counseling	3
Creative Activities	3
Public School Organization (MTWTh)	2
Teaching of English (Secondary)	3
Speech Problems	3
School Health Problems	3
Teaching Music through Song and Rhythm Materials	3
Orchestration	2
Basic Biology	3
Public Health Nursing I	3
History of the United States and Pennsylvania I	3
History of Civilization II	3

FOURTH PERIOD—1:30-3:00 P.M.

Visual Education (MTWTh)	1
Communication I (Speech)	2
Communication II (Speech)	2
Aquatic Activities	1
Aquatic Leadership for Teachers	2
Instrumental Conducting	1
Chorus, Band, or Orchestra	1/2
Piano	1/2 or 1
Voice	1/2 or 1
Instruments	1
Public School Nursing	2
Nutrition and Community Health	2

POST SESSION
August 6—August 24

(Each Class meets 8:00-9:30 A.M. and 10:30-12:00 A.M.)

<i>Courses</i>	ART	<i>Credit</i>
No Offerings		
EDUCATION		
Diagnostic and Remedial Reading-----		3
Problems of Secondary Education including Guidance -----		3
Educational Psychology -----		3
ENGLISH		
American Literature -----		3
Children's Literature -----		3
GEOGRAPHY		
Geography of U. S. and Pennsylvania -----		3
HEALTH AND PHYSICAL EDUCATION		
Methods and Materials of Safety Education -----		3
MATHEMATICS		
No Offerings		
MUSIC		
No Offerings		
SCIENCE		
Basic Biology -----		3
Public Health Nursing II -----		3
SOCIAL STUDIES		
History of Civilization I -----		3
History of the United States and Pennsylvania I -----		3
History of the United States and Pennsylvania II -----		3
American Government -----		3
Teaching of Social Studies and Geography (Elementary) -----		3
Teaching of Social Studies (Secondary) -----		3

Preliminary Announcement
REGULAR ACADEMIC YEAR
1956-57

HOUSING

The College has made provisions for the housing of its resident students. It may be impossible to provide housing for all students who apply for admission. Although College authorities are embarrassed by this situation, there is nothing that can be done about it in this period of serious housing shortages. It is very important that all housing arrangements for both upperclassmen and new students be satisfactorily settled with the Dean of Women or Dean of Men before any student comes to the campus in September.

ADMISSION REQUIREMENTS

General Scholarship —

Graduation in the upper half of one's class in an accredited secondary school or by entrance examination.

Character and Personality —

Estimated by officials of the secondary school and College.

Health and Vigor —

Measured by medical examinations by the family physician and the College physician.

Personal Interview —

Particular attention given to personality, speech habits, social presence, expressed interests, and promise.

Scholastic Aptitude and Command of English —

Measured by standardized tests prescribed each year for all State Teachers Colleges.

Admission Procedure

Admission to the regular fall or spring semester involves a number of steps, the first of which is the filing of a Preliminary Application form. A copy of this form may be found at the back of the regular college catalog or may be secured from the Registrar.

Costs

The State Teachers College at West Chester is owned and operated by the Commonwealth of Pennsylvania and therefore charges no tuition. In effect, *each student who enrolls receives a free tuition scholarship from the State.*

***COSTS BY CURRICULA PER YEAR**

A Summary of Costs For the Different Curricula	Elementary Education	Secondary Education	Health and Physical Education	Music Education
Contingent Fee	90	90	126	180
Activity Fee	25	25	25	25
Books (Approx.)	50	50	50	50
Total—Day Students	165	165	201	255
Room-Board-Laundry	432	432	432	432
Total—Boarding Students	597	597	633	687

NOTES:

1. THE ABOVE COSTS ARE FOR ONE YEAR.

2. Payments may be made quarterly or monthly upon arrangements with the College Bursar.

3. Out-of-state students' tuition fee is \$7.50 per semester hour of credit. In addition, Health and Physical Education students will pay \$18.00, and Music Education students will pay \$45.00 per semester. Other charges are as above.

*4. Fees are subject to change.

CURRICULA OFFERED AT WEST CHESTER

Elementary —

A non-specialized course for teachers of the elementary grades.

Kindergarten-Primary —

Teaching in the kindergarten and grades 1, 2, and 3.

Intermediate —

Teaching in grades 4, 5, and 6.

Secondary Education —

Teaching in the junior and senior high schools. Students must choose two teaching fields from the following: English, French, Latin (minor only), mathematics, general science (major only), chemistry, physics, biological science, geography, and social studies.

Health and Physical Education —

Teaching, coaching, and supervising health and physical education in the elementary and secondary schools.

Music Education —

Teaching and supervising music—both instrumental and vocal—in the elementary and secondary schools.

Degree Curriculum for Dental Hygienists.

Degree Curriculum for Public School Nurses.

STATE TEACHERS COLLEGE BULLETIN
SUMMER SESSIONS 1956

Advance Announcement

1956-1957 REGULAR SESSION



STATE TEACHERS COLLEGE

WEST CHESTER, PENNSYLVANIA

*(Over Three-Quarters of a Century Devoted
Entirely to Teacher Education)*

Entered as second-class matter
March 3, 1931, at the Post Office
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