

DELAWARE STATE COLLEGE

DOVER, DELAWARE



Catalogue 1961-1962

**With Announcements for the
Seventy - First Session 1962 - 1963**

DELAWARE STATE COLLEGE

CATALOGUE

A Record of 1961-1962

Announcements for the Year Beginning
September 10, 1962 and Ending May 27, 1963

1962

Dover, Delaware

RECOGNITION

Delaware State College, chartered by the State of Delaware, is accredited by the Middle States Association of Colleges and Secondary Schools and the Delaware State Board of Education.

A COEDUCATIONAL COLLEGE

Admission of students and requests for catalogues: The Director of Admissions, Placement, and Testing

Placement of students and graduates: The Director of Admissions, Placement, and Testing

Transcripts of Academic Records: The Registrar

Alumni and Public Relations: Alumni Secretary

Student affairs: The Director of Student Personnel

Payment of College bills: Business Office

The Post Office address of the College is Delaware State College, Dover, Delaware.

The telephone connections are

734-8271

Extension 20—Office of the President

Extension 23—Office of the Dean of Instruction

Extension 24—Office of the Registrar

Extension 25—Office of the Business Manager

Extension 46—Office of the Director of Admissions, Placement & Testing

Extension 62—Library

Extension 63—Office of the Director of Student Personnel and Guidance

Extension 64—Tubman Hall (Women's Dormitory)

Extension 65—Conwell Hall (Men's Dormitory)

Extension 75—Infirmary

Extension 77—Alumni and Public Relations

Telephone Connections for Night

734-5606—Infirmary

734-5283—Tubman Hall

734-5141—Conwell Hall

The provisions of this publication are not to be regarded as an irrevocable contract between the student and Delaware State College. The College reserves the right to change any provision or requirement at any time within the student's term of residence. The College further reserves the right at any time to ask a student to withdraw when it considers such action to be in the best interests of the College.

TABLE OF CONTENTS

	<i>Page</i>
Academic Calendar	4
History and Objectives	5
Board of Trustees and Administration	6
Faculty	8
Buildings and Grounds	14
General Information	15
College Expenses and Financial Aid	18
Admissions	21
Registration	23
General Regulations	24
General Plan of Study	26
Areas of the Curriculum	29

DELAWARE STATE COLLEGE

Dover, Delaware

Academic Calendar
1962-1963

September 10-12 (Mon., Tues., Wed.)	Freshman Orientation
September 13, 14 (Thurs., Fri.)	Registration
September 17 (Monday)	Class Instruction Begins Late Registration Begins
September 21 (Friday)	Last Day of Late Registration and Program Changes
October 28 (Sunday)	Parents' Day
Oct. 31-Nov. 2 (Wed., Thurs., Fri.)	Mid-Semester Examinations
November 10 (Saturday)	Homecoming
November 21-25	Thanksgiving Recess
November 26 (Monday)	Classes Begin at 8 A.M.
December 15-January 2	Christmas Recess
January 3 (Thursday)	Classes Begin at 8 A.M.
January 14-17 (Mon., Tues., Wed., Thurs.)	First Semester Examinations
January 24, 25 (Thurs., Fri.)	Second Semester Registration
January 28 (Monday)	Class Instruction Begins Late Registration Begins
February 1 (Friday)	Last Day of Late Registration and Program Changes
February 3 (Sunday)	Founders' Day
March 2 (Saturday)	Career Day Conference
March 3-8 (Sunday through Friday)	Religious Emphasis Week
March 18-20 (Mon., Tues., Wed.)	Mid-Semester Examinations
April 6 (Saturday)	High School Day
April 12-21	Spring Recess
April 22 (Monday)	Classes Begin at 8 A.M.
May 4 (Saturday)	Sophomore-Senior Examinations
May 15 (Wednesday)	Charter Day
May 13-16 (Mon., Tues., Wed., Thurs.)	Senior Examinations
May 20-23 (Mon., Tues., Wed., Thurs.)	Final Examinations
May 26 (Sunday)	Baccalaureate
May 27 (Monday)	Commencement

HISTORY AND OBJECTIVES

Delaware State College, situated on the Dupont Highway, U. S. 13, less than one mile north of Dover, the State Capitol, is within easy reach of Wilmington, Baltimore, and Philadelphia. The College was established as a land-grant institution by the General Assembly of the State of Delaware, May 15, 1891, under the provisions of the federal land-grant Morrill Acts.

A two-hundred acre campus affords ample space for the College's modern buildings and student body of approximately five hundred. The student body comes from many states of the Union and from South America.

The motivating objective of the College is to provide for the student an intellectual, social, and personal climate which will, through the combined efforts of student and faculty, promote his growth toward a more mature, cultured, and competent individual, who is conscious of his rights as a person and his obligations as a member of the human race and a citizen of an international community.

To carry out the above objective, the College seeks to promote the following educational aims:

- a. High standards of scholastic achievement.
- b. The type of inquiring mind which is capable of recognizing and solving life problems in a satisfying manner.
- c. Wholesome philosophies of life—philosophies which lie within the framework of Christian ethics and democratic precepts.
- d. Skills in communicating ideas through socially acceptable oral and written media.
- e. Understanding and appreciation of our culture and its relationship to other cultures, both past and present.
- f. Desire to serve—to serve in the home, the community, and the nation.
- g. Optimum physical well-being among the students.

BOARD OF TRUSTEES

Name	Residence	Term Expires
JOHN N. McDOWELL, <i>President</i>	Newark,	June, 1965
MRS. THELMA YOUNG, <i>Vice-President</i>	Wilmington,	June, 1966
HAROLD H. KELLER, <i>Secretary</i>	Laurel,	June, 1963
BERNARD YOUNG	Milford,	June, 1963
ASHER B. CAREY	Selbyville,	June, 1962
MRS. EDMUND N. CARPENTER, II	Wilmington,	June, 1962
EDWARD W. HAGEMEYER	Wilmington,	June, 1964
HAROLD SCHMITTINGER	Dover,	June, 1967
JAMES W. W. BAKER	Georgetown,	June, 1967
HOWARD STEVENSON	Dover,	June, 1964
JAMES H. WILLIAMS	Dover,	June, 1965

EX OFFICIO

The Governor of the State of Delaware, ELBERT N. CARVEL, Dover
The President of the College, LUNA I. MISHOE, Dover

OFFICERS OF ADMINISTRATION

LUNA I. MISHOE, PH.D. <i>President</i> B.Sc., Allen University; M.Sc., University of Michigan; Ph.D., New York University
ROMEO C. HENDERSON, ED.D. <i>Dean of the College</i> A.B., Livingstone College; M.A., Cornell University; Ed.D., Pennsylvania State University
ELBERT L. HARRIS, PH.D. <i>Director of Admissions, Placement, and Testing</i> B.S., West Chester State Teachers College; M.A., Howard University; Ph.D., University of Pennsylvania
WILLIAM A. DANIEL, PH.D. <i>Registrar</i> A.B., Virginia Union University; A.M., Ph.D., University of Chicago
FREDERICK J. FRANKLIN, ED.M. <i>Director of Student Personnel</i> B.S., Ed.M., Boston University
ROBERT G. OLIVER, JR., B.S. <i>Business Manager</i> B.S., South Carolina State College
ALICE A. JACKSON, M.S.L.S. <i>Librarian</i> B.S., Virginia State College; B.S.L.S., Hampton Institute; M.S.L.S., Columbia University

ADMINISTRATIVE ASSISTANTS

OFFICE OF THE PRESIDENT

PEGGY L. WHITE, B.S., *Secretary*

OFFICE OF THE DEAN OF THE COLLEGE

CAROLYN W. ARNELL, *Secretary*
 GRETA C. LEVANT, B.S., *Secretary to the Faculty*
 MARY E. ROSS, B.S., *Secretary to the Faculty*

OFFICE OF THE BUSINESS MANAGER

CHARLIE ARNELL, B.S., *Assistant Business Manager*
 MINNIE H. HILL, B.S., *Secretary*
 MARY L. LANE, B.S., *Bookkeeper*
 ROGER H. WILSON, B.S., *Bookkeeper*

OFFICE OF THE REGISTRAR

JEAN A. WILSON, B.S., *Secretary*

LIBRARY

JESTINA T. HENDERSON, M.S.L.S., *Associate Librarian*
 BEATRICE O. WILSON, B.S.L.S., *Assistant Librarian*
 EMMA DAVIS, B.S., *Library Assistant*
 MAGGIE OLIVER, M.S., *Library Assistant*
 HELEN WALKER, *Library Assistant*
 CHRISTINE McNULTY, *Secretary*

COLLEGE HEALTH SERVICE

EDWARD S. DENNIS, M.D.
 MARY B. ROSCOE, R.N.
 LETTIE YADACUS, R.N.

MAINTENANCE AND PLANT OPERATIONS

GILBERT SMITH, *Superintendent of Buildings and Grounds*
 MARY E. BIBBINS, *Assistant to the Superintendent of Buildings and Grounds*

DINING HALL

HARRIETTE J. JONES, *Dietitian, Supervisor of Dining Hall and Canteen*

RESIDENCE HALLS

MRS. THERESA MASON, B.S., *Director of Women's Activities*
 MISS CORA WARREN, B.S., *Director of Tubman Hall*
 CORNELL HARVELL, B.S., *Director of Men's Activities*

FACULTY

PROFESSORS

WILLIAM A. GAINES, PH.D.
Research Professor in Social Science
 B.A., M.A., Ph.D., University of Pennsylvania

ELBERT L. HARRIS, PH.D.
Professor of History
 B.S., West Chester State Teachers College; M.A., Howard University
 Ph.D., University of Pennsylvania

ROMEO C. HENDERSON, ED.D.
Professor of Education and Social Sciences
 A.B., Livingstone College; M.A., Cornell University
 Ed.D., Pennsylvania State University

LUNA I. MISHOE, PH.D.
Professor of Mathematics and Physics
 B.Sc., Allen University; M.Sc., University of Michigan
 Ph.D., New York University

*JOSEPH B. MORRIS, PH.D.
Professor of Chemistry
 B.S., M.S., Howard University; Ph.D., Pennsylvania State University

MAURICE E. THOMASSON, PH.D.
Professor of Sociology
Head of the Department of Social Sciences
 B.S., Iowa State College; A.M., University of Minnesota
 Ph.D., Columbia University

HAROLD D. WEAVER, ED.D.
Professor of Education
Head of the Department of Education and Psychology
 A.B., Howard University; A.M., Ohio State University
 Ed.D., Pennsylvania State University

**MICHAEL YATRON, PH.D.
Professor of Literature and Languages
 B.S., Kutztown State Teachers College; M.A., Ph.D., Temple University

ASSOCIATE PROFESSORS

***JOSEPH N. GRANT, M.S.
Associate Professor of Biology
Head of the Department of Biological Sciences
 B.S., North Carolina College; M.S., North Carolina College

E. PRESTON MITCHELL, PH.D.
Associate Professor of Health and Physical Education
Head of the Department and Director of Health and Physical Education
 B.S., North Carolina College; M.A., Ph.D., State University of Iowa

*Part-time

** Second Semester

***On Sabbatical Leave

H. LEON PRATHER, PH.D.
Associate Professor of Social Sciences
 A.B., South Carolina State College; M.A., Ph.D., New York University

CHARLES SASS, PH.D.
Associate Professor of Mathematics
 Ph.D., University of Vienna

LAVERNE B. THOMASSON, M.S.
Associate Professor of Sociology
 B.S., M.S., Boston University

HARRIETT R. WILLIAMS, M.S.
Associate Professor of Chemistry
Head of the Department of Physical Sciences
 B.S., Delaware State College; M.S., Atlanta University

WILLIAM R. WYNDER, ED.D.
Associate Professor of Agricultural Education
Head of the Department of Agriculture
 B.S., Delaware State College; M.S., Michigan State University
 Ed.D., New York University

ASSISTANT PROFESSORS

GENE L. ADREAN, PH.D.
Assistant Professor of Literature and Languages and College Photographer
 M.C., Lodi (Italy) S. Francesco; Ph.D., Florence, Italy

MARY C. BAKER, ED.D.
Assistant Professor of Education and Psychology
and Director of Child Development Laboratory
 B.S., M.A., Ed.D., New York University

JAMES G. BARRINGER, PH.D.
Assistant Professor of Literature and Languages
Head of the Department of Literature and Languages
 B.A., Lincoln University; M.A., Temple University; Ph.D., Vrije University

ANNIE W. EATON, M.A.
Assistant Professor of Home Economics
 B.S., Winston-Salem Teachers College; M.A., Columbia University

FREDERICK J. FRANKLIN, ED.M.
Assistant Professor of Physical Education
 B.S., Ed.M., Boston University

LUCILLE G. FRANKLIN, M.A.
Assistant Professor of Health and Physical Education
 A.B., Talladega College; M.A., Michigan University

BENNIE J. GEORGE, ED.M.
Assistant Professor of Health and Physical Education
 B.S., Delaware State College; Ed.M., New York University

***On Sabbatical Leave

***MAYE H. GRANT, M.A.

Assistant Professor of Music Education

A.B., North Carolina College; M.A., Columbia University

JOHN T. HOWELL, M.S.

Assistant Professor of Horticulture

B.S., Hampton Institute; M.S., Michigan State University

PAUL MABRY, M.S., M.A.T., M.A.

Assistant Professor of Philosophy; Coordinator of Religious Activities

A.B., McKendree College; B.D., Butler University

M.S., Butler University; M.A.T., Indiana University

M.A., University of Delaware

NORA M. PATRICK, M.A.

Assistant Professor of French

A.B., Spellman College; M.A., Atlanta University

JOHN R. PRICE, M.B.A.

Assistant Professor of Business Administration

Acting Head of the Department of Business Education

A.B., Howard University; M.B.A., American University

ROY D. MOORE, M.S.

Assistant Professor of Health and Physical Education

B.S., North Carolina College; M.S., University of Illinois

JOHN MCCOLLOUGH, M.A.

Assistant Professor of Art Education

B.S., George Peabody College for Teachers; M.A., Columbia University

CAROLE M. STEARNS, M.S.

Assistant Professor of Chemistry and Physics

B.S., University of Michigan; M.S., University of Chicago

LOUISE N. SUTTON, M.A.

Assistant Professor of Mathematics

B.S., A. & T. College; M.A., New York University

ERNEST TALBERT, M.B.A.

Assistant Professor of Economics and Business Administration

A.B., Morehouse College; M.B.A., Atlanta University

M.B.A., University of Chicago

RICHARD C. WALKER, Ed.M.

Assistant Professor of Psychology

A.B., Sam Houston College; Ed.M., Boston University

RUTH H. WASHINGTON, M.S.

Assistant Professor of Biology

Acting Head of the Department of Biological Sciences

B.S., Morgan State College; M.S., Howard University

ULYSSES S. WASHINGTON, M.S.

Assistant Professor of Agricultural Engineering

B.S., Virginia State College; Ed.M., Rutgers University

INSTRUCTORS

DONALD BLAKEY, M.A.

Instructor of Health and Physical Education

B.S., Delaware State College; M.A., University of Maryland

MADELINE F. BOLDEN, B.M.

Substitute Instructor of Music

B.M., Boston Conservatory of Music

MAURICE C. CHRISTOPHE, A.M.

Instructor of Literature and Languages

A.B., Arkansas A.M. & N. College; A.M., Alabama State College

JANE L. DAWKINS, M.A.

Instructor of Business Education and Secretarial Science

B.S., Hampton Institute; M.A., New York University

*THOMAS A. JETER, D.V.M.

Instructor of Agriculture

B.S., Hampton Institute; M.S., Michigan State University

D.V.M., Tuskegee Institute

BLANCHE JORDAN, M.A.

Instructor in Psychology and Assistant in Educational

Testing and Counseling

B.S., Howard University; M.A., Hunter College

CARL D. KENNERLY, M.Sc.

Instructor of Agriculture

B.S., South Carolina State College; M.Sc., Ohio State University

EMORY M. LEVANT, M.S.

Instructor of Biology

B.S., South Carolina State College; M.S., Howard University

EVA VAL MOORE, M.S.

Instructor of Home Economics; Head of the Department of Home Economics

B.S., West Virginia State College; M.S., University of Illinois

AUDREY M. PRATHER, M.S.

Instructor of Chemistry and Mathematics

B.S., North Carolina College; M.S., Tuskegee Institute

LILLIE M. SAULSBURY, M.A.

Instructor of Business Education and Secretarial Science

B.S., Florida A. & M. University; M.A., New York University

MARGARET THORPE, M.S.

Instructor of Home Economics

B.S., Shaw University; M.S., North Carolina College

JAMES WILLIAMS, M.M.E.

Instructor of Music Education

Head of the Department of Music

B.A., Langston University; M.M.E., Tulsa University

*Part-time

VISITING TEACHERS

SAMUEL M. ARNOLD, B.A., LT. COL.
Visiting Lecturer in Military Science and Tactics
 B.A., University of Delaware

BEATRICE L. HENRY, M.S.
Visiting Lecturer in Music Education
 Mus.B., Howard University; M.S., University of Pennsylvania

SUPERVISORY TEACHERS

Through the cooperation of the State Department of Public Instruction and the Boards of Education of local school districts, supervisory teachers for the 1961-1962 academic year were selected from the following schools: Absalom Jones, Booker T. Washington, Frederick Douglass, Samuel Elbert, Phyllis Wheatley, Louis L. Redding, Charles Drew, Star Hill, North East, Paul L. Dunbar, Fork Branch, Kenton, Union, Wilmington, William C. Jason, William Henry, Sarah W. Pyle, and Phillip Showell.

FACULTY COMMITTEES—1961-1962

ADMINISTRATIVE COUNCIL

DR. L. MISHOE— <i>Chairman</i>	MISS H. WILLIAMS
MR. R. OLIVER	DR. R. C. HENDERSON
DR. W. DANIEL	DR. E. HARRIS
MR. F. FRANKLIN	MISS A. JACKSON
DR. M. THOMASSON	

ADMISSIONS COMMITTEE

DR. E. HARRIS— <i>Chairman</i>	DR. C. SASS
DR. W. DANIEL	MR. F. FRANKLIN
MR. J. MCCOLLOUGH	DR. R. C. HENDERSON

ASSEMBLY COMMITTEE

MISS N. PATRICK— <i>Chairman</i>	MRS. L. FRANKLIN
MR. E. TALBERT	

ATHLETIC COMMITTEE

MR. J. PRICE— <i>Chairman</i>	MR. U. WASHINGTON
DR. E. P. MITCHELL	MR. E. TALBERT
MISS H. WILLIAMS	MRS. L. FRANKLIN
DR. M. BAKER	MR. B. GEORGE
DR. E. HARRIS	MR. R. OLIVER

(One student to be selected by the Student Council)

CURRICULUM COMMITTEE

DR. R. C. HENDERSON— <i>Chairman</i>	MR. J. WILLIAMS
DR. M. THOMASSON	DR. J. BARRINGER
MISS H. WILLIAMS	MRS. R. WASHINGTON
DR. W. WYNDER	MRS. L. SUTTON
MRS. E. V. MOORE	MR. J. PRICE
DR. H. WEAVER	MISS A. JACKSON
DR. E. P. MITCHELL	

FACULTY EXECUTIVE COMMITTEE

DR. R. C. HENDERSON— <i>Chairman</i>	DR. W. WYNDER
DR. M. THOMASSON	MR. J. PRICE
DR. E. P. MITCHELL	MISS H. WILLIAMS
MR. R. WALKER	

FACULTY RESEARCH COMMITTEE

DR. W. GAINES— <i>Chairman</i>	DR. G. ADREAN
REVEREND P. MABRY	MR. J. HOWELL
MR. R. MOORE	

FACULTY COUNCIL

DR. R. C. HENDERSON— <i>Chairman</i>	MISS N. PATRICK
MRS. E. V. MOORE	MRS. L. FRANKLIN
MR. U. WASHINGTON	

FACULTY-STAFF WELFARE COMMITTEE

MR. R. WALKER— <i>Chairman</i>	MR. U. WASHINGTON
REVEREND P. MABRY	MRS. L. THOMASSON
MISS C. WARREN	

LIBRARY COMMITTEE

MISS A. JACKSON— <i>Chairman</i>	MRS. B. WILSON
MRS. J. HENDERSON	MRS. L. FRANKLIN
MRS. M. CHRISTOPHE	DR. J. BARRINGER
MISS A. EATON	

(One student to be selected by the Student Council)

LYCEUM COMMITTEE

MRS. L. SUTTON— <i>Chairman</i>	MR. J. WILLIAMS
MISS M. BOLDEN	MR. J. MCCOLLOUGH
DR. G. ADREAN	

SCHOLARSHIP COMMITTEE

DR. R. C. HENDERSON— <i>Chairman</i>	DR. W. WYNDER
DR. E. HARRIS	MRS. E. V. MOORE
MR. J. PRICE	MR. J. WILLIAMS
MR. F. FRANKLIN	MR. R. OLIVER

STUDENT PERSONNEL COMMITTEE

MR. F. FRANKLIN— <i>Chairman</i>	MR. C. HARVELL
DR. E. HARRIS	MISS B. JORDAN
MRS. T. MASON	MR. B. GEORGE
MISS C. WARREN	REVEREND P. MABRY

BUILDINGS AND GROUNDS

On a campus of two hundred attractively landscaped acres, stand the College's modern buildings.

Grossley Hall. The administration and classroom building is a two-story structure. Located in this structure are offices of the President, the Dean, the Registrar, the Director of Admissions, Placement, and Testing, the Business Manager, the Faculty, Alumni and Public Relations, Audio-Visual Aids Center, Reading Laboratory, classrooms, the Child Development Laboratory, and the campus bookstore.

Memorial Hall. Among the largest of the College's structures is this modern, well-equipped center for health, physical education, and recreation where an indoor swimming pool and gymnasium are maintained for use by the Department of Health and Physical Education. Faculty offices and classrooms are also located in Memorial Hall.

William C. Jason Library. Originally the small College Chapel, this building has been expanded into an attractive modern facility geared to the needs of a growing institution. The book collection is well adapted to the reference, instructional and recreational needs of the college. There is a representative collection of periodicals and newspapers, popular, literary, and special. Freshman students are instructed in the use of the Library by the Reference Librarian in cooperation with teachers of Freshman English.

Delaware Hall. In this newly renovated building are the main auditorium where Assembly programs are held, the offices, and classrooms for the Departments of Biology, Chemistry, Music, and Education.

T-Building. This structure houses the offices and classrooms for the Economics and Business Department.

Tubman Hall. This residence hall is available for female students living on the campus. It has an attractive lounge, a recreation room, and a beauty parlor.

A new women's dormitory is currently under construction.

Conwell Hall. This residence hall is available for occupancy by men. Included in this building are a student lounge, a faculty lounge, a barber shop, and a recreation room.

Conrad Hall. A dining hall, open to students and faculty members, has been expanded to a seating capacity of four hundred. It is equipped to provide cafeteria service. The Home Economics Department is located on the second floor of this building. The College canteen is located in the basement of the dining hall.

The Infirmary. A modern infirmary which is adequately equipped is operated by the College for students who require medical treatment or confinement for minor illnesses. Two full-time nurses and a part-time medical doctor are employed.

Trades Building. This structure houses classrooms, workshops, and offices of the Department of Agriculture.

GENERAL INFORMATION

Students coming from areas north of Delaware may take a train to Wilmington and then change to either Carolina Trailways or Greyhound coaches which stop at the entrance of the College.

Students coming from the Washington-Baltimore area may travel by bus to State Road, Delaware and then transfer to buses for Dover.

Those students who come from areas south of Washington may take the train to Wilmington and change to buses for Dover.

Placement Service

The Placement Service offers students and graduates assistance in obtaining employment. Through personal interviews and an analysis of interests and experiences, it helps to guide students and graduates into occupations that will utilize their capabilities to the fullest extent. After students are registered, a complete file of their records and references is assembled. Assistance and occupational counseling are also given below the senior level to students who seek part-time and summer employment.

Student Government and Activities

Governing Body. The Student Government Association, operating under a Student Council and supplemented by two dormitory councils, namely the Women's Senate and the Men's Council, provides leadership in student activities, enforces regulations for student life formulated by the Council, assists with discipline, and helps the student meet his responsibilities through self-discipline and self-improvement.

College assemblies at which attendance is required are held once each week. The programs include religious services, addresses by visiting lecturers, student programs, and concerts.

The College Choir sings at many college functions and offers special programs. Occasionally this group gives concerts in nearby cities.

The Delaware State College Band plays at athletic functions and on special occasions during the year.

The Biology Club provides opportunities for students of biology to express their creative talents, to gain additional experience in developing laboratory skills, and to hear lectures and discussions on recent developments in the field.

The Business Club serves as a guide in the development of accepted business practices for the business students.

The Dramatic Guild develops skills and aptitudes in self-expression, stage craft, et cetera.

The Social Science Club presents lecturers to College campus for addresses and consultations as an aid to creating interest in national and world affairs.

Health and Physical Education Club offers the opportunity for experience in administering and supervising the College intramural athletic program.

The Varsity Club, composed of students who have won a letter in some intercollegiate activity, strives to stimulate school spirit and to enhance the structure of athletics at the College.

The Fine Arts Club makes a unique contribution to the students' liberal education by concentrating upon various combinations of the arts, concerts, lectures, recitals, and trips to nearby cultural centers, as well as offering activities on the campus.

Student Affiliates of the American Chemical Society fosters a professional spirit among its members and instills a professional pride in chemistry. It further affords an opportunity for the students of chemistry to gain the intellectual stimulation that arises from professional associations and to secure experience in preparing and presenting material before groups.

The Veterans' Club helps to orientate incoming veterans to college life and in their courses of study while at the College.

The National Student Education Association acquaints its members with opportunities in the profession and aids them in the necessary preparation for the profession.

The Mathematics Club, open to all interested students, is an organization designed to enrich and broaden the students' program by exposing them to mathematical information not studied in class.

The Home Economics Club promotes professional growth and encourages fellowship among all Home Economics students. Membership is open to any student enrolled in a Home Economics course.

The Charm and Culture Club, an organization of freshman women, promotes cultural activities for—discussions, lectures, and forums—the personal development of young college women.

The Debating Team provides an opportunity for interested students to participate in public discussions and debates on collegiate and intercollegiate bases.

There are several Greek-letter fraternities and sororities at Delaware State College under the jurisdiction of the Pan-Hellenic Council. Active chapters on the campus include the Alpha Kappa Alpha Sorority, Delta Sigma Theta Sorority, Zeta Phi Beta Sorority, Alpha Phi Alpha Fraternity, Kappa Alpha Psi Fraternity, Omega Psi Phi Fraternity, and Phi Beta Sigma Fraternity.

Religious Life. Through its religious activities, the College seeks to develop an understanding of and an appreciation for the place of religion in everyday life, to deepen spiritual insights, and to make the practice of Christian principles a vital part of the life of the well-educated citizen. Religious activities are sponsored by the Student Christian Association and the College Chaplain. An annual feature of the religious life of the students at Delaware State College is observance of Religious Emphasis Week.

Cultural Activities. The Lyceum Committee presents several artists of the concert world on the College campus. The Library Committee sponsors an annual Library Cultural Series which offers stimulating contact with thinkers and writers on contemporary affairs.

Athletics are a phase of the educational program at Delaware State College. Intramural athletics are designed to serve the needs of all students who wish to participate.

Intercollegiate sports are of real importance in the education of students for leadership and responsibility. Baseball, basketball, football, track and field, and swimming are the sports in which Delaware State College competes on an intercollegiate basis.

Delaware State College is a member of the Central Intercollegiate Athletic Association, District 31 of the National Association of Intercollegiate Athletics, and the National Collegiate Athletic Association.

EXPENSES AND FINANCIAL AID

The following is a complete schedule of tuition and fees. All regular College fees, registration fee excepted, are payable in two installments per semester.

	First Semester		Second Semester		Per Yr.
	1st Payment	2nd Payment	1st Payment	2nd Payment	Total
Room and Board	\$117.50	\$117.50	\$117.50	\$117.50	\$470.00
Registration Fee	15.00		15.00		30.00
College Fee	15.00	15.00	15.00	15.00	60.00
Student Activity Fee	7.50	7.50	7.50	7.50	30.00
Tuition	62.50	62.50	62.50	62.50	250.00
Medical Fee	3.75	3.75	3.75	3.75	15.00
Student Insurance	15.00				15.00
Library Fee	1.25	1.25	1.25	1.25	5.00

All installments are payable either by mail or in person at the Business Office on the dates indicated below. Students whose accounts are in arrears forfeit dining hall and classroom privileges.

	First Semester		Second Semester		Per Yr.
	9/13/62	11/7/62	1/24/63	3/20/63	Total
*Boarding Resident Student	\$178.25	\$141.75	\$163.25	\$141.75	\$625.00
Boarding Non-Resident Student	240.75	204.25	225.75	204.25	875.00
Non-Boarding Resident Student	57.50	27.50	42.50	27.50	155.00
Non-Boarding Non-Resident Student	120.00	90.00	105.00	90.00	405.00

*Students who have resided in the State of Delaware during the year immediately preceding their first registration at the College are considered "resident students."

GENERAL COLLEGE FEES

Tuition (chargeable only to out-of-state students)	\$250.00
College Fee	60.00
Registration Fee (not refundable)	30.00
Medical Fee	15.00
Student Insurance	15.00

(Student Insurance is required of all full-time students. This insurance covers, with limitations, medical and hospital charges due to accidents or illnesses.)

Student Activity Fee	30.00
Room and Board	470.00
Library Fee	5.00

Late Registration Fee (per day)	5.00
Transcripts (first transcript free; each thereafter)	1.00
Fee for absence before and after holidays (per day)	3.00
Graduation Fee	10.00
Practice Teaching Fee	60.00
Photograph Fee	1.00
Room Deposit	10.00

(This deposit must be made prior to July 15 for the first semester and before December 15 for students entering during the second semester.)

Laboratory Fees. These fees are paid in certain courses to cover the cost of supplies. Charges per semester are as follows:

Courses	Fees
Agriculture 201	\$3.00
Agriculture 202	3.00
Agriculture 308	2.50
Agriculture 416	2.50
Art 202	5.00
Art 204	2.00
Art 301	2.00
Art 302	5.00
Biology	5.00
Business Machines	5.00
Chemistry	5.00
Home Economics 102	5.00
Home Economics 104	3.00
Home Economics 202	3.00
Home Economics 203	8.00
Home Economics 207	5.00
Home Economics 208	8.00
Home Economics 301	3.00
Home Economics 304	3.00
Home Economics 305 (Home Management House)	5.00
Home Economics 308	3.00
Home Economics 312	8.00
Home Economics 402	5.00
Physics	5.00
Typing	5.00

The Director of Student Personnel, who serves as Coordinator of Veterans' Affairs, is prepared to advise veterans planning to attend the College under any of the G. I. Bills.

Inquiries regarding all student financial matters are invited and should be directed to the Business Office.

Payments should be made by cashier's check, certified check, or money order. All checks should be made payable to Delaware State College and should be sent to the Business Office.

Withdrawal Refunds

Students withdrawing from College after the beginning of classes are entitled to refunds of regular semester fees according to the following schedule:

Within ten days—All regular fees refunded except the registration fee and one-sixth of the room and board fee;

Within thirty days—One-half of the regular fees for the semester and one-third of the room and board fee;

Within fifty days—Refund of one-half of the room and board fee for the semester only. Thereafter, no refund.

Financial Aid. Financial assistance is made available to qualified students in three ways: through scholarships provided by the State Legislature and a limited number from private sources, work-aid, and student loans.

State Scholarships. The State Legislature makes available annually the sum of twenty-five thousand dollars (\$25,000) to be distributed to Delaware students who need financial aid. The amount given each student depends upon the need, deportment, and scholastic standing of the individual. This fund is administered by the Scholarship Committee.

Financial Grants in Aid. A limited number of work-aid assignments are awarded each year to deserving students who would otherwise not be in a position to finance their College obligation. Students who desire such assistance should write to the Director of Student Personnel and file application for the job desired not later than September 1.

Students enrolling at Delaware State College for the first time should not come depending upon securing work, but should be prepared to pay the full amount of their expenses until they have oriented themselves and have demonstrated their ability.

Seniors should be prepared to pay the major portion of their expenses. The senior academic and extra-curricular programs, in a majority of cases, limit the student in his possibility to earn through the work-aid program.

Experience has demonstrated that it is not to the student's best interest to try to earn all of his expenses by working his way through school.

Students who need small sums of money for emergency purposes related to their academic program may apply for a short term student loan through the Office of Student Personnel. The maximum amount of a short term loan is twenty-five dollars (\$25) which has to be repaid within a thirty-day period.

National Defense Student Loan. The College is a participant in the National Defense Student Loan Program of the Federal Government in which more substantial loans are made to eligible students.

ADMISSIONS

Students seeking admission to the freshman class or to advanced standing should apply to the Director of Admissions, Placement, and Testing, Delaware State College, Dover, either in person or by mail.

General admissions are made twice each academic year: in September, when a full entering class of students is admitted; and again in February, when a limited number of students is accommodated. All students are subject to the rules and regulations of the College. Students may be admitted:

1. By submitting a certificate or diploma from an accredited four-year high school or an accredited senior high school with the recommendation of the principal.
2. By satisfactorily passing a battery of examinations administered by the College or the College Entrance Examination Board.
3. By submitting an official transcript as evidence of successful completion of courses taken in other institutions.
4. By qualifying as a special adult student.
5. By qualifying under requirements of the program for honorably discharged veterans.

ADMISSION CREDENTIALS

Admission credentials which the Director of Admissions, Placement, and Testing must have in order to consider an applicant include:

1. Completed application for admission
2. Secondary school record and recommendation
3. Personal recommendations
4. (Transfer applicants only) Official transcript and statement of honorable dismissal for each college attended
5. (Veterans only) Photoprint of Separation Record, showing training and service schools completed.

An applicant may be admitted as:

1. A candidate for a baccalaureate degree
2. A student with advanced standing
3. A special student
4. A foreign student

Degree Candidate

1. Graduation from an approved high school when the record of performance has been a creditable one.

2. At least 15 units* of secondary school work distributed as follows:

English	4 Units
Mathematics	2 Units
Science	2 Units
History	1 Unit
Electives	6 Units

3. Students from schools operating under experimental programs will be considered in the light of these, depending upon their performance on the battery of tests administered to all freshmen.
4. From an unapproved high school with at least 15 units of work of acceptable grades and by satisfactory performance on a battery of tests administered to all freshmen.

Advanced Standing

Applicants for admission from other colleges must meet the regular entrance requirements for admission and must present an official transcript of all work completed at other institutions and a statement of honorable dismissal from the college last attended. Students who have been dismissed or suspended from other institutions or who have been placed on academic probation will not be permitted to enroll until creditable standing has been re-established at the schools previously attended.

Special Student

One is admitted as a special student under the following conditions: He must be 21 years of age and must give evidence of training or experience that will enable him to pursue adequately the course desired. However, all College entrance requirements must be satisfied before he is admitted to candidacy for a degree.

Foreign Student

The College accepts a limited number of foreign students whose transcripts are cleared as satisfactory by the International Educational Relations Branch of the Division of Education, Department of Health, Education, and Welfare, U. S. A. Students desiring to enter the College should forward their transcripts early in the year preceding the semester they desire to enter so that the Director of Admissions will have sufficient time to consider their credentials. Furthermore, foreign students are advised to be well aware of their financial obligations.

Resident Student

The status of a student's residence is determined during the time of his first registration at the College. It may not thereafter be changed

*A unit is defined as the equivalent of 120 clock hours of work in the classroom under the direction of a teacher. It is further defined as one-fourth of the school work of a normal pupil for one academic year.

by him unless he moves to and becomes a legal resident of Delaware by maintaining residence in the state for at least one full calendar year prior to his next registration.

Students who are minors are considered to be resident students if at the time of their registration their parents or legal guardians have been residents of Delaware for at least one year.

Adult students are considered to be resident students if at the time of their registration they have been residents of Delaware for at least one year.

Students registered as residents of the State of Delaware whose parents move out of the State during any year of their study at the College will not be considered non-residents for that year. However, they will be so considered for the year(s) following.

REGISTRATION

Major Advisors

The student's faculty advisor will interview him each semester and will officially approve his program before it is filed with the Dean of the College and the Registrar.

Freshman Academic Advisory Panel

Various instructors who are assigned as members of the panel aid the student in planning his course work and guide him in matters related to his studies during the freshman year.

Late Registration

Students failing to register by the date that classes begin are charged a late registration fee of five dollars (\$5) per day. Admission to any of the regularly scheduled courses will be denied fourteen calendar days after classes have begun.

Withdrawal from College

Students voluntarily withdrawing from College must fill out in duplicate the withdrawal form procured from the Office of the Registrar. Students withdrawing will be reported as having withdrawn failing (WF) or withdrawn passing (WP), depending upon the quality of performance at the time of withdrawal. Students withdrawing without following this procedure will receive F grades for the courses for which they registered.

Reinstatement

Students wishing to return to the College after a voluntary or involuntary absence of one semester or more must make written application to the Director of Admissions not later than August 1 for the first semester or December 1 for the second semester.

Credits

Academic work in the College course is measured in semester hours of credit. A semester hour is equal to one clock hour of recitation or lecture work per week for one semester. A minimum of two hours of laboratory work yields one semester hour.

Credit will not be granted for correspondence courses.

Credit may be given for appropriate courses taken under the direction of the Armed Forces Institute or courses completed in service schools, in accordance with the recommendations of the American Council on Education.

All incompletes in work yield the Grade I. This grade must be removed by the end of the first six weeks of the student's next semester in residence. Otherwise the Grade I becomes an F.

Transcripts of Records

The first transcript issued for a student is prepared without charge. For each additional transcript, a fee of one dollar will be charged.

GENERAL REGULATIONS**General Probation**

Any student who has been dismissed, suspended, or placed on disciplinary probation may not represent the College in any public activity nor hold any elective office or appointment of responsibility during the semester affected.

Off-Campus Visits

No female student may spend the night away from the College or leave the campus for weekends, visits, or otherwise, unless the institution has received the parent's or guardian's written consent, containing the name and address of the person to be visited. A written invitation from the hostess to be visited is also necessary in addition to the parent's permission.

No female student may receive off-campus male guests without the approval of the Dean of Women.

Academic Probation

A student whose grade point average is below 1.70 in the work of any semester shall be automatically placed on academic probation for the succeeding semester with a reduced load of not more than twelve (12) semester hours of work.

In order to be removed from academic probation, a student must earn a grade point average of 2.00 or better. If a student on probation fails to attain this average, he shall be suspended for the following semester. At the expiration of this period he may apply for readmission on probation. If the student fails to earn a grade point average of 2.00 during the semester of his reinstatement, he shall not be permitted to enroll for further work at the College. Any student who has not earned a minimum cumulative average of 1.70 by the end of the sophomore year will be permanently dismissed from the College.

Attendance

All students should attend punctually every scheduled meeting of every class in which they are registered except when serious illness or an emergency prevents them. When a student has unexcused absences in any course in excess of the number of credit hours which the course yields, the student may receive a failing grade.

Grades

The grades assigned at the completion of a course are designated as follows: A, excellent; B, Good; C, Fair; D, Poor; and F, Failure.

The several grades yield points as follows: A, 4; B, 3; C, 2; D, 1; F, 0. WF counts as an F in computing grade point averages.

Reports of grades earned are issued at the end of each semester. Advisory grades are given at intervals of nine weeks during the academic year and are sent to parents or guardians. A student earning a final grade of D in a major or minor subject will receive no academic credit for the course.

Honors

The Dean's List. The Dean's List shall include those students who, carrying 12 or more semester hours during the preceding semester, maintained a scholastic average of 3.0 or above. The grade points earned must be twice the number of semester hours carried with no grade less than C.

Seniors. Students may be graduated with honors whose grade point average is between 3.25 and 3.50; with high honors, whose average is between 3.50 and 3.75; with highest honors, whose average is 3.75 or above.

Examinations

Final examinations shall be required of all students in all subjects.

GENERAL PLAN OF STUDY

Delaware State College is a multiple-purpose institution, thereby making it possible for students to choose one of several programs of study. The requirements for the Bachelor of Arts or Bachelor of Science degree insure the development of skills in the broad fields of human knowledge and in a single field of concentration. Programs have been planned to provide for the student a sound foundation in the liberal arts and sciences on which to base intensive work in the sphere of his special interest.

The total number of credits required for graduation varies with the several curricula but the minimum requirement is one hundred twenty-one semester hours.

Requirements for the Baccalaureate Degree

In order to receive the baccalaureate degree, a candidate must have completed satisfactorily the following requirements:

1. A minimum of one hundred and twenty-one semester hours of academic work. The number of grade points earned must at least double the number of semester hours accumulated. No student is eligible for a degree unless he has earned a C in each course of his field of specialization.
2. General Education. Of the total of one hundred and twenty-one semester hours, fifty-six are required in courses offered by the two broad areas of the curriculum as follows:
The College requires fifteen hours of intellectual tools and competencies—English, Freshman Orientation, Health Education, and Physical Education; fourteen hours in the Humanities—World Literature, Fine Arts, Music, Philosophy, and Foreign Languages; fourteen hours in the Natural Sciences—Biology, Chemistry, Mathematics, and Physics; and thirteen hours in the Social Sciences—Western Civilization, History and Government of Delaware, General Psychology and Principles of Economics, American Government, History of the United States, or Introduction to Sociology.
3. Electives. A student may select a certain number of courses required for the degree in accord with his interests and professional purposes. He should do this in conference with his advisor.
4. Two full years of physical education are generally required.
5. A candidate for the Bachelor's degree must complete the last thirty semester hours of credit at this College with at least sixty grade points.

6. No degree may be granted unless the student's account with the College has been settled and all other obligations with the College have been satisfactorily discharged.

Students who have met the necessary requirements are eligible for graduation at the close of any semester. Degrees, however, are conferred only in June.

General Education

To assure the total development of students enrolled in the College so that they will be better prepared to fill a useful and satisfying place in society, the College endorses a curriculum of general education designed to afford a possible minimum, but a potential maximum education to all its students.

Intellectual Tools and Competencies 15

Required of all:

Education 101—Freshman Orientation	1
English 101-102—English Composition	6
English 200—Public Speaking	2
Health Education 101—Personal Hygiene	2
Physical Education 101, 102, 201—P. E. Skills	3
Physical Education 202—Skills, Rhythmic Activities	1

Humanities 14

Required of all:

The Humanities 201-202—World Literature, Fine Arts, Music, Philosophy, etc.	8
---	---

Six additional hours to be selected from:

Art 102—Appreciation of Art	2
Art 201—Fine Arts	2
French 101-102—Elementary French	6
French 201-202—Intermediate French	6
German 101-102—Elementary German	6
German 201-202—Intermediate German	6
Music 101—Introduction to Music	2
Philosophy 201—Introduction to Philosophy	3
Philosophy 202—Religions of Mankind	3
Spanish 101-102—Elementary Spanish	6
Spanish 201-202—Intermediate Spanish	6

Natural Sciences 14

Required of all:

Mathematics 101—Introduction to Mathematics	3
*Mathematics 102—Introduction to Mathematics	3
or	
Mathematics 104—Analytic Geometry	3

Eight to ten credits to be selected from:

Biology 101-102—General Zoology and Botany	8
Chemistry 101-102—General Chemistry	8
Physics 201-202—General Physics	10

Social Sciences 13

Required of all:

History 101-102—World Civilization	6
History 104—History and Government of Delaware	1
Psychology 201—General Psychology	3

Three additional hours to be selected from:

Economics 201—Principles of Economics	3
Government 201—American Government	3
History 202—History of the United States	3
Sociology 201—Introduction to Sociology	3

Freshman Differential Curriculum

This program is an attempt to adjust each student's curriculum to his ability and preparation. Based on the students' high school records and their performance on the battery of tests taken during their first week in College, all freshmen are grouped into three tracks in English Composition and Western Civilization.

- Track A is designed to accommodate students who show achievement above the average level for first year college students.
- Track B is composed of students of average educational achievement.
- Track C consists of students whose performance on the tests places them below the average expected of entering freshmen.

Students in Track A are provided an enriched program of study and their assignments are more rigorous than those for students in the other two groups. The students in Track B are provided a normal load. Students in Track C carry a reduced load of twelve semester hours. They are required to attend classes in English Composition five hours a week and in Western Civilization four times each week, instead of the usual class period hours. This requirement is based on the belief that the additional attention they receive will result in marked educational improvement during the period of their first year in college. In addition, students in Track C receive three semester hours credit for these courses. It is necessary for students in this group to earn a cumulative average of at least 1.70 by the end of the first year. If such an average is not earned,

*Chemistry and Mathematics majors are to substitute Mathematics 104 for Mathematics 102.

they will be dismissed from the College. The program also provides for students to be transferred, depending upon their academic performance during the freshman year, from one particular Track to another.

AREAS OF THE CURRICULUM

The curriculum of the College consists of two broad areas: Arts and Sciences and Vocational Education. In the numbering of courses in these two areas, odd numbers are in general assigned to courses offered in the first semester and even numbers to courses offered in the second semester. The first digit of a course number indicates the level of the course. For example, courses intended primarily for freshmen are numbered 100; those primarily for sophomores, 200; those primarily for juniors, 300; and those primarily for seniors, 400. Hyphenated numbers (e.g. English 101-102) represent year courses.

ARTS AND SCIENCES

There are nine departments in the Area of Arts and Sciences, majors in which may lead to the professions, to graduate study, and to employment in government or industry. These departments are: Biology, Economics and Business Administration, Education and Psychology, Health and Physical Education, Literature and Languages, Mathematics, Music Education, Physical Sciences, and Social Sciences.

BIOLOGY

The objectives of the Biology Department are to develop in the student an understanding of, a respect for, and some facility in the application of the clear and unbiased method of thinking that should characterize the intelligent individual; to develop in the student an appreciation for and some understanding of the organic world; to familiarize the student with biological facts and principles that a modern citizen needs if he is to make an intelligent and effective adjustment to the demands of life.

Objectives applicable to majors and minors are these: To furnish the student the background necessary to become a successful secondary school Biology teacher and to develop within the student an educational background for later specialized work in graduate and professional schools.

CURRICULUM IN BIOLOGY

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Education 101	1	History 102	3
History 101	3	History 104	1
Physical Education 101	1	Physical Education 102	1
Biology 101	4	Health Education 101	2
Chemistry 101	4	Chemistry 101	4
		Biology 102	4
	16		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Mathematics 101	3	Physical Education 202	1
Physical Education 201	1	German 102 or	
German 101 or		French 102	3
French 101	3	Mathematics 102	3
Biology 201	4	Biology 202	4
	15		15

Junior Year

First Semester	Hours	Second Semester	Hours
Government 201	3	Psychology 302	3
Psychology 201	3	English 200	2
Physics 201	4	Education 204	3
Biology 301	4	Physics 202	4
German 201 or		Biology 204	4
French 201	3	German 202 or	
	17	French 202	3
			19

Senior Year

First Semester	Hours	Second Semester	Hours
Education 403	3	Education 412	6
Education 405	3	Psychology 402	3
Education 411	1	Biology 401	4
Biology 303	4		
Biology 305	4		
	15		13

101. GENERAL ZOOLOGY. An introductory course in animal life involving a study of the structure, development, life history, taxonomy, ecology, and the economic importance of the animal kingdom. Two lectures and two laboratory periods a week. Credit, four hours.

102. GENERAL BOTANY. A study of the morphology, physiology, distribution, and evolution of plants. Two lectures and two laboratory periods a week. Credit, four hours.

201. VERTEBRATE ZOOLOGY. A study of the structure, development, life history, taxonomy, ecology, and the economic importance of the vertebrates. Two lectures and two laboratory periods a week. Prerequisite: Biology 101. Credit, four hours.

202. SYSTEMATIC BOTANY. The classification and identification of plants. Particular emphasis is placed on the field study of plants found

in this region. Two lectures and two laboratory periods a week. Prerequisite: Biology 102. Credit, four hours.

203. HUMAN ANATOMY. A study of the general structure and chemical composition of the human body. Two lectures and two laboratory periods a week. Prerequisite: Biology 101. Credit, four hours.

204. HUMAN PHYSIOLOGY. A study of the functions of the principal organs and system of the human body. Two lectures and two laboratory periods. Prerequisite: Biology 101. Credit, four hours.

301. COMPARATIVE ANATOMY. A comparative study of the morphology and histology of the body systems of selected chordates. Special emphasis is placed upon this study as it applies to the vertebrates. Two lectures and two laboratory periods a week. Prerequisites: Biology 101 and 201. Credit, four hours.

303. GENETICS. A study of the fundamental principles of the phenomena of inheritance and their application to plants and animals. Two lectures and one laboratory period a week. Prerequisites: Biology 101 and 102. Credit, three hours.

304. HISTOLOGY AND MICROTECHNIQUES. A detailed study of the microscopic anatomy of vertebrae tissues and organs including laboratory practice in the preparation of histological slides. Prerequisites: Biology 204 and 301. Credit, four hours.

305. BACTERIOLOGY. A study of the taxonomy, physiology, morphology, and cultivation of bacteria with special emphasis on the relation of bacteria to the health of man, animals, and plants. Two lectures and two laboratory periods a week. Prerequisites: Biology 101 and 102 or Biology 101 and 204. Credit, four hours.

307. ENTOMOLOGY. A study of the morphology, classification, life history, distribution, and economic importance of insects. Two lectures and four hours of laboratory and field work. Prerequisite: Eight hours of Biology, including Biology 101. Credit, four hours.

401. EMBRYOLOGY. A study of embryonic development of the chick and the pig. Two lectures and two laboratory periods a week. Prerequisite: Biology 201. Credit, four hours.

ECONOMICS AND BUSINESS ADMINISTRATION

The objectives of the Department of Economics and Business Administration are to provide the proper foundation for graduate study in economics and business; to prepare students for careers in business, industry, or the government; to prepare teachers of business subjects in secondary schools; and to train students in specific skills.

CURRICULUM IN ECONOMICS

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
History 101	3	History 102	3
Biology 101 or Chemistry 101... 4		Biology 102 or Chemistry 102... 4	
Physical Education 101	1	Physical Education 102	1
Foreign Language	3	Foreign Language	3
Education 101	1	Business 108	3
Health Education 101	2		
	<u>17</u>		<u>17</u>

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Economics 201	3	Economics 202	3
Business 205	3	Foreign Language	3
Foreign Language	3	Mathematics 102	3
Mathematics 101	3	Physical Education 202	1
Physical Education 201	1	Elective	3
	<u>17</u>		<u>17</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Economics 301	3	Economics 312	3
Economics 307	3	Economics 308	3
Psychology 201	3	Economics 314	3
English 200	2	History 104	1
Electives	4	Electives	6
	<u>15</u>		<u>16</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Economics 411	3	Economics 418	3
Economics 421	3	Economics 414	3
Electives	9	Electives	9
	<u>15</u>		<u>15</u>

ECONOMICS

201. **PRINCIPLES OF ECONOMICS.** A general introductory course about basic economic processes and principles and their operation in the economic order. Credit, three hours.

202. **ECONOMIC PROBLEMS.** A course involving the study of selected economic problems against a background of principles developed in the introductory course. Prerequisite: Economics 201. Credit, three hours.

301. **INTERMEDIATE ECONOMIC THEORY.** Theory of relative prices and income distribution under perfect and imperfect competition. Prerequisite: Economics 201. Credit, three hours.

307. **INTRODUCTORY STATISTICS.** An elementary course which deals with measures of central tendency, distribution, probability, relationship, and other techniques used in the manipulation and interpretation of quantitative data. Credit, three hours.

308. **ADVANCED STATISTICS.** Time series; methods of isolating trend, seasonal and cyclical fluctuations; index number theory, construction, and application; correlation; applications of statistical techniques to eco-

nomics and business problems. Prerequisite: Economics 307. Credit, three hours.

312. **ECONOMIC HISTORY.** The economic development of the United States from the period of settlement to the present time. Emphasis on the origin and growth of leading American industries; changes in industrial organizations; commercial and monetary developments. Credit, three hours.

314. **CONTEMPORARY ECONOMIC PROBLEMS.** An introduction to economic reasoning; an analysis of the problems of economic growth, economic security and stability, agricultural prices, and conservation of natural resources. Credit, three hours.

411. **LABOR PROBLEMS.** Major labor problems covering hours of work, wages, unemployment, the functioning of labor organizations, labor legislation, and the courts. Prerequisite: Economics 201 or permission of the instructor. Credit, three hours.

414. **MONEY AND BANKING.** A study of the principles of money and banking in the United States with reference to the functions of money and credit. Emphasis on the functions of commercial banks, the Federal Reserve System, and other financial institutions. Credit, three hours.

418. **BUSINESS CYCLES.** A study of factors determining fluctuations in business activity, employment, price levels, and the relation of these changes to the management of the business firm. Credit, three hours.

421. **COMPARATIVE ECONOMIC SYSTEMS.** Principles governing pricing, income, distribution, productivity, investment, economic stability, and growth under capitalism, democratic socialism, and totalitarian socialism. Credit, three hours.

BUSINESS ADMINISTRATION

ACCOUNTING CURRICULUM IN BUSINESS ADMINISTRATION

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
History 101	3	History 102	3
Biology 101 or Chemistry 101... 4		Biology 102 or Chemistry 102... 4	
Physical Education 101	1	Physical Education 102	1
Foreign Language	3	Foreign Language	3
Education 101	1	Business 108	3
Health Education 101	2		
	<u>17</u>		<u>17</u>

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Economics 201	3	Economics 202	3
Business 205	3	Business 206	3
Foreign Language	3	Foreign Language	3
Mathematics 101	3	Mathematics 102	3
Physical Education 201	1	Physical Education 202	1
	<u>17</u>	History 104	1
			<u>18</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Business 305	3	Business 306	3
Business 401	3	Business 402	3
Psychology 201	3	Economics 414	3
Business 301	3	Electives	6
Economics 307	3		
English 200	2		
	<hr/> 17		<hr/> 15

Senior Year

First Semester	Hours	Second Semester	Hours
Business 409	3	Business 410	3
Business 405	3	Business 412	3
Business 411	3	Business 416	3
Business 303	3	Electives	6
Electives	3		
	<hr/> 15		<hr/> 15

GENERAL CURRICULUM IN BUSINESS ADMINISTRATION**Freshman Year**

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
History 101	3	History 102	3
Biology 101 or Chemistry 101	4	Biology 102 or Chemistry 102	4
Physical Education 101	1	Physical Education 102	1
Foreign Language	3	Foreign Language	3
Education 101	1	Business 108	3
Health Education 101	2		
	<hr/> 17		<hr/> 17

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Economics 201	3	Economics 202	3
Business 205	3	Business 206	3
Foreign Language	3	Foreign Language	3
Mathematics 101	3	Mathematics 102	3
Physical Education 201	1	Physical Education 202	1
	<hr/> 17	History 104	1
			<hr/> 18

Junior Year

First Semester	Hours	Second Semester	Hours
Business 305	3	Business 306	3
Business 303	3	Business 310	3
Psychology 201	3	Economics 414	3
Business 301	3	Electives	6
Economics 307	3		
English 200	2		
	<hr/> 17		<hr/> 15

Senior Year

First Semester	Hours	Second Semester	Hours
Business 401	3	Business 402	3
Business 405	3	Business 416	3
Electives	9	Electives	9
	<hr/> 15		<hr/> 15

BUSINESS

108. GENERAL BUSINESS. A consideration of the functions, organization, and operation of a business. A study of the different types of business establishments, such as manufacturing, service, merchandising, etc. Credit, three hours.

205-206. ACCOUNTING I AND II. An elementary course. Considers fundamental accounting principles, concepts of debit and credit, records, simple forms, and other basic items. Credit, six hours.

211. BUSINESS MATHEMATICS. Instruction and drill in fundamental arithmetic skills; study of processes in other areas of mathematics pertinent to business practice. Credit, three hours.

301. BUSINESS ENGLISH. A course that adapts standard English to the needs of business. Hackneyed or stereotyped expressions are omitted. Practical composition is given with emphasis upon business and writing. An understanding of the more common business terms, situations, conditions, and policies is given. The course covers the fundamental principles that govern all kinds of business letters and reports. Credit, three hours.

303. SALESMANSHIP. A study of the principles underlying the philosophy and techniques of personal selling. Credit, three hours.

305-306. ACCOUNTING III AND IV. Provides instruction in more advanced and complex accounting procedures, particularly those connected with the work of corporations and other modern types of business organization. Prerequisite: Accounting I and II. Credit, six hours.

310. MANAGEMENT. Principles and techniques of successful organization, management and operation of business activities including such areas as planning, sales, purchasing, personnel, and finance. Credit, three hours.

327. METHODS OF TEACHING BUSINESS EDUCATION. The principles of teaching and learning commercial subjects in junior and senior high schools. Credit, three hours.

328. ADVANCED METHODS OF TEACHING BUSINESS EDUCATION. A consideration of the problems, materials, and methods in teaching basic business subjects in junior and senior high schools. Credit, three hours.

401. BUSINESS LAW I. Instruction in fundamental legal principles applicable in connection with contracts, agencies, partnerships, corporations, and other business situations. Credit, three hours.

402. BUSINESS LAW II. Instruction in legal principles pertaining to negotiable instruments, sales, bailments, chattel mortgages, conditional sales, and suretyship. Credit, three hours.

405. MARKETING. A study of the economic functions of marketing and of the factors, processes, and institutions which condition these functions. Credit, three hours.

407. ADVERTISING. A study of the creation of advertising ideas and the use of advertising in business. Credit, three hours.

409. **COST ACCOUNTING.** Practices and procedures; principles and methods of handling material, labor, and overhead costs; procedures in job orders, process cost systems, and standard cost; budget principles and managerial control. Credit, three hours.

410. **MANAGERIAL COST ACCOUNTING.** An intensive study of the functions of accounting with reference to managerial organization and administration. Emphasis is placed upon the relation of the accounting system to budgetary control, standard costs, and distribution costs. Prerequisite: Business 409. Credit, three hours.

411. **TAXATION.** Principles involved in determining taxable net income and the computation of federal income taxes for individuals, partnerships, and corporations. Credit, three hours.

412. **AUDITING.** A study of the duties and responsibilities of an auditor, kinds of audits, and audit programs. Review of accounting theory and principle and their application to the work of the auditor. Methods of internal control and their relation to the auditing procedure. Credit, three hours.

416. **INSURANCE.** A general insurance course covering fire, casualty, and life insurance. Credit, three hours.

EDUCATION AND PSYCHOLOGY

The Department of Education and Psychology aids students through professional courses to become teachers in the elementary and secondary schools and prepare them for advanced studies in graduate schools.

Fields of study in this Department are Art, Elementary Education, Secondary Education, and Psychology.

CURRICULUM IN ELEMENTARY EDUCATION

Freshman Year

First Semester	Hours	Second Semester	Hours
Education 101	1	English 102	3
English 101	3	Health Education 101	2
Mathematics 101	3	Physical Education 102	1
Physical Education 101	1	History 102	3
Biology 101	4	Biology 102	4
History 101	3	Mathematics 102	3
	15		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
Philosophy 201	3	Philosophy 202	3
Humanities 201	4	Humanities 202	4
Psychology 201	3	Education 204	3
Science 201	3	Psychology 204	3
Music 101	2	History 104	1
English 103	2	Art 102	2
	17		16

Junior Year

First Semester	Hours	Second Semester	Hours
Education 301	3	Education 302	3
Education 303	3	Education 308	3
Music 201	3	Psychology 302	3
Psychology 303	3	History 202	3
History 201	3	Geography 101	3
Art 201	2	Art 202	2
	17		17

Senior Year

First Semester	Hours	Second Semester	Hours
Education 413	3	Education 411	1
Physical Education 303	3	Education 400	6
Psychology 305	3	Science 302	1
Education 305	3	Electives	3
Audio-visual 312	3	Health Education 308	3
Science 301	1		
	16		14

CURRICULUM IN SECONDARY EDUCATION WITH A TEACHING MAJOR AND MINOR

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	History 102	3
History 101	3	English 102	3
Foreign Language 101	3	Foreign Language 102	3
Biology 101 or Chem. 101	4	Biology 102 or Chem. 102	4
Physical Education 101	1	Physical Education 102	1
Education 101	1	Health Education 101	2
	15		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
English 103	2	History 104	1
Foreign Language 201	3	Foreign Language 202	3
Psychology 201	3	Education 204	3
Physical Education 201	1	Elective (in major)	3
Elective (in major)	3	Physical Education 202	1
Humanities 201	4	Humanities 202	4
	16		15

Junior Year

First Semester	Hours	Second Semester	Hours
Psychology 305	3	Psychology 302	3
Mathematics 101	3	Psychology 204	3
Education 405	3	Mathematics 102	3
Electives (in major and/or minor)	6	Electives (in major and/or minor)	6
	15		15

Senior Year

First Semester	Hours	Second Semester	Hours
Education 403	3	Education 412	6
Electives (in major and/or minor)	12	Electives (in major and/or minor)	9
Education 411	1		
	16		15

ART

102. ART APPRECIATION. This is a survey course in art illustrated with prints, slides, and filmstrips, treating periods and outstanding personalities in painting, sculpture and architecture from pre-historic times to the present. Special attention is given to methods of teaching art in the elementary school and in related fields. Credit, two hours.

201. FINE ARTS. This course includes color theory, exercises in line drawings, perspective, charcoal, crayon, pencil, water color, lettering, outdoor sketches, plant life, blackboard, illustrations, border designs, animal drawings, and methods of teaching drawings and lesson planning. Credit, two hours.

202. INDUSTRIAL ARTS. This course includes bookbinding, clay modeling, cutting lessons, furniture construction, posters, redesigning, textiles, special dies, stencil application, sand table project, toy construction by means of tools and beaver board, weaving, and other practical projects. Two laboratory periods. Credit, two hours.

204. HAND PUPPETS, MARIONETTES, MASKS, AND SHADOWS. This course in Marionettes, Masks, and Shadows is planned to supply a need in general education. Every child in elementary school through the senior high school needs to fulfill his dramatic urge. Puppets help him in satisfying this urge. Credit, three hours.

301. DRAWING, PAINTING, AND DESIGN. This course is designed to develop the ability of the student who is interested in art but has not had the opportunity to take formal training in art courses. It deals with line color, form, and design. An intensive study of color, along with its application to painting, is emphasized. Credit, three hours.

302. CERAMICS, MODELING AND SCULPTURE. This is a beginning course which is designed for students who are not familiar with clay, paper mache, and plaster and their possibilities. Emphasis is placed on design and originality in form. Modeling and sculpture techniques are stressed. Credit, three hours.

303. POTTERY. This is a more advanced course than Ceramics. It may be taken, however, as a beginning course without first having had Ceramics. Emphasis is placed on designing and building of free form pottery, the building on the hand potter's wheel, throwing on electric potter's wheel; surface enrichment; preparation and application of low fired and high fired glazes; placing and firing the kilns. Credit, three hours.

EDUCATION

101. FRESHMAN ORIENTATION. A course required of all freshmen, designed to facilitate their transition from high school to college. Units on how to use the library, how to study, personal adjustment problems, choosing a vocation, and self-evaluation are included. Credit, one hour.

204. INTRODUCTION TO EDUCATION. This course is distinctly an orientation and guidance course. It consists of a broad survey and general picture of school situations, techniques and problems. Credit, three hours.

301. TEACHING OF READING. This course deals with scientific methods of teaching the elementary child how to read effectively. Attention is given to how desirable habits, skills, and appreciations may be developed in and through reading. Some attention is given to the use of reading tests and remedial devices for reading disabilities. Credit, three hours.

302. TEACHING OF ENGLISH IN ELEMENTARY SCHOOLS. English courses of study for elementary schools are studied. Opportunities in which prospective teachers participate through drills, reviews, and recitations concerned with increasing their own skill in correct oral and written usage are provided. Credit, three hours.

303. TEACHING OF SOCIAL STUDIES. This course presents various methods of teaching the numerous phases of community living with special attention being given to community history and geography, social types and groups. Opportunities are provided for constructing units and projects in social studies for the elementary school child. Credit, three hours.

305. TEACHING OF ARITHMETIC. This course emphasizes problems involved in teaching of arithmetic to elementary school children. Subject matter and various methods of presenting quantitative concepts in the first eight grades are appraised and evaluated. Other training provided by the course includes new methods of teaching fundamental number facts as revealed by recent studies in the field, the teaching of long division; common fractions and decimals. Credit, three hours.

306. METHODS OF TEACHING HOMEMAKING EDUCATION. In this course a study of methods of instruction in homemaking is undertaken. Special attention is given to such procedures as formulating objectives of homemaking education for secondary schools, adults and out of school groups. Texts, references, tests, and teaching aid in this field are evaluated as part of the course activities. Prospective teachers of homemaking education are given opportunities to observe actual classroom instruction in this and related fields. Credit, three hours.

307. ADVANCED METHODS OF TEACHING HOMEMAKING EDUCATION. In this course units of work and lesson plans are developed under guidance of instructors. Prospective teachers and leaders in this field are given opportunity to plan and participate in varied community based activities such as fairs, festivals, fashion shows, food and clothing exhibits, and other similar types of programs. Credit, three hours.

308. CHILDREN'S LITERATURE. A critical study of literature for the primary and grammar grades. This course is designed for teachers of elementary education. Credit, three hours.

309. GUIDANCE OF PUPILS IN ELEMENTARY AND SECONDARY SCHOOLS. This course deals with the diagnosis of children's behavior and with effective procedures and techniques available for use by teachers and administrators in directing wholesome personality growth. Credit, three hours.

312. TECHNIQUES IN AUDIO-VISUAL EDUCATION. A survey of various types of audio-visual materials and how they can be used by the elementary and high school teacher. Methods of evaluating and preparing these materials are considered during the semester. One lecture and two laboratory periods per week. Credit, three hours.

327. EDUCATION. The principles of teaching and learning are applied to problems of instruction in high school commercial subjects. Credit, three hours.

400. PRE-SERVICE TEACHING IN ELEMENTARY SCHOOLS. This course directs attention to how basic principles of learning affect the organization of the elementary school curriculum. As an integral part of the course, experienced elementary school teachers present lessons for the purpose of observation and study. Additional experiences call for the teacher trainees to actually engage in teaching classes at the elementary school level for a period of six weeks. Credit, six hours.

403. GENERAL METHODS IN SECONDARY EDUCATION. This course is designed for those preparing to teach in the high school. Current principles of teaching and classroom organization are evaluated in the light of present day socio-economic factors and conditions. Class activities include lectures, observations, and special reports. Credit, three hours.

404. EDUCATIONAL SOCIOLOGY. A study of the relationship between the society and the school and of the obligations placed upon the school by social change. Credit, three hours.

405. PRINCIPLES OF SECONDARY EDUCATION. This course emphasizes the importance of objectives in secondary education, the role of the teacher in the realization of objectives, lesson planning, various types of high school curricula, assignments and marking systems. Credit, three hours.

406. THE JUNIOR HIGH SCHOOL. This course emphasizes the history and evolution of the junior high school as an institution in our culture. Special attention is given to the organization and administration of high schools in representative communities today. Problems connected with planning, coordinating, directing, and reporting are considered. Credit, three hours.

407. METHODS OF TEACHING AGRICULTURE. This course, through numerous demonstrations, indicates how basic educational principles and techniques may be applied in the teaching of agriculture in the second-

dary schools. The importance of demonstration as a method is given special consideration. Problems of organization, management, and evaluation in departments of agriculture in secondary schools are explored. Credit, three hours.

408. HISTORY AND PHILOSOPHY OF AMERICAN EDUCATION. A survey of the growth and development of organized education in America. Attention is given to important points of view which have influenced the character and direction of American education since 1619. Credit, three hours.

411. SEMINAR IN TEACHER TRAINING. A study of the role of practice teaching and its problems. Credit, one hour.

412. PRE-SERVICE TRAINING IN THE SECONDARY SCHOOLS. This course provides experience in observing and participating in responsible practice teaching. Credit, six hours.

413. TECHNIQUES AND PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOL. This course gives special attention to the nature of the teaching-learning process where the elementary school child is concerned. The following areas are studied: the teacher's daily preparation; the teacher's role in cooperative planning; physical and psychological factors influencing learning; basis for constructing and using teaching devices; principles of growth influencing the organization of the elementary school. Credit, three hours.

415. VOCATIONAL EDUCATION. This is a general survey course which has as its main purpose to acquaint prospective teachers with the fundamental principles underlying the practices of vocational education. The course also provides for study and interpretation of significant congressional acts affecting vocational education in this country. Credit, three hours.

416. SPECIAL PROBLEMS IN AGRICULTURAL EDUCATION. Under the guidance of the instructor the following types of problems are discussed and analyzed: problems in teaching agricultural education; organizing agricultural programs; job analysis; management of an equipment for farms; home projects and community activities; special duties of teachers of vocational agriculture. Prerequisite: Education 407. Credit, three hours.

PSYCHOLOGY

201. GENERAL PSYCHOLOGY. This course provides for a general study of human behavior. Attention is given to such determinants of behavior as motivation, interests, physical structures, different types of social groups, heredity, and various environmental factors. Credit, three hours.

204. EDUCATIONAL PSYCHOLOGY. Attention is given to innate abilities and interests of children, along with the study of motivational tech-

niques. Current research studies are used to illustrate how the knowledge of principles of human growth and behavior influence the quality of the learning situations. Credit, three hours.

302. EDUCATIONAL TESTS AND MEASUREMENTS. This course provides opportunities for studying test usage and construction. It also provides a basis for understanding and applying the results of standardized and non-standardized tests to learning situations. Credit, three hours.

303. CHILD PSYCHOLOGY. This course provides experiences and opportunities for studying the development of individuals from birth to pre-adolescence. A thorough study is also made of physical, emotional, social, and psychological factors underlying the child's development. Credit, three hours.

305. ADOLESCENT PSYCHOLOGY. This course gives special attention to the social and emotional problems adolescents face in adjusting to adult life. Methods of dealing with these problems are evaluated in the light of present day educational and psychological theory. Credit, three hours.

307. PSYCHOLOGY OF ADJUSTMENT. This course provides opportunity for both the theoretical and practical study of personality development and of its importance in facilitating adjustment to modern living and problems. Credit, three hours.

406. VOCATIONAL PSYCHOLOGY. This course indicates how basic principles of psychology may be applied to situations in which individuals work and earn a living. Special attention is given to such factors as fatigue, ennui, morale, physical condition, and their effect upon the production level of individuals engaged in various types of vocations. Credit, three hours.

HEALTH AND PHYSICAL EDUCATION

Within the department are three areas of concentration: one for students wishing to become teachers; one for those desiring to establish a background for entry into a medically allied field, such as Physical Therapy; and one for those interested in Recreation as a vocation.

The Department of Health and Physical Education provides those elements of instruction and leadership necessary to assist the student in achieving aims relative to gainful employment in teaching, recreation, and the medically allied fields. It further provides facilities and instruction in those areas that are concerned with physical development and well-being, including specific health instruction and opportunities to engage in physical activities as organized groups or as individuals. The Department is available for such community services as its facilities and personnel can satisfy.

CURRICULUM IN HEALTH AND PHYSICAL EDUCATION

Freshman Year

First Semester	Hours	Second Semester	Hours
Education 101	1	Art Education 202	2
English 101	3	Biology 101	4
History 101	3	English 102	3
Mathematics 101	3	Health Education 101	2
Music Education 101	2	History 102	3
Physical Education 101	1	Mathematics 102	3
Physical Education 103	3	Physical Education 102	1
	16		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
Humanities 201	4	English 104	2
Philosophy 201	3	History 104	1
Physical Education 201	1	Humanities 202	4
Psychology 201	3	Philosophy 202	3
Sociology 201	3	Physical Education 202	1
	18	Psychology 204	3
			18

Junior Year

First Semester	Hours	Second Semester	Hours
Home Economics 301	3	Education 204	3
Music 201	2	Health Education 308	3
Physical Education 301	1	Physical Education 203	2
Physical Education 303	3	Physical Education 302	1
Physical Education 307	3	Physical Education 304	3
Physical Education 401	1	Physical Education 310	3
Physics 201	4	Physical Education 312	3
	17		18

Senior Year

First Semester	Hours	Second Semester	Hours
Art Education 408	2	Education (Student Teaching) 412	6
Education 405	3	Health Education 404	2
Education 411 (Seminar)	1	Physical Education 402	1
Health Education 306	2	Physical Education 405	3
Physical Education 404	1	Physical Education 406	1
Physical Education 411	3	Electives	2
Sociology 401	3		
	15		15

CURRICULUM IN HEALTH EDUCATION

Freshman Year

First Semester	Hours	Second Semester	Hours
Education 101	1	Art Education 202	2
English 101	3	Biology 101	4
History 101	3	English 102	3
Mathematics 101	3	Health Education 101	2
Music Education 101	2	History 102	3
Physical Education 101	1	Mathematics 102	3
Physical Education 103	3	Physical Education 102	1
	16		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
Chemistry 101	4	Chemistry 102	4
Humanities 201	4	Education 204	3
Physical Education 201	1	History 104	1
Psychology 201	3	Humanities 202	4
Sociology 201	3	Physical Education 202	1
	19		17

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 303	4	English 104	2
Biology 305	4	Geography 102	3
Home Economics 301	3	Health Education 308	3
Philosophy 201	3	Philosophy 202	3
Physical Education 201	1	Physical Education 302	1
Sociology 303	3	Physical Education 304	3
		Physical Education 312	3
	18		18

Senior Year

First Semester	Hours	Second Semester	Hours
Education 405	3	Education 412	6
Education 411	1	Health Education 404	2
Health Education 306	2	Health Education 409	2
Physical Education 303	3	Physical Education 402	1
Physical Education 307	3	Physical Education 405	3
Physical Education 401	1		
Physical Education 403	3		
Sociology 401	3		
	19		14

CURRICULUM FOR MEDICALLY ALLIED FIELDS**Freshman Year**

First Semester	Hours	Second Semester	Hours
Education 101	1	Art 202	2
English 101	3	Biology 101	4
History 101	3	English 102	3
Mathematics 101	3	Health Education 101	2
Music Education 101	2	History 102	3
Physical Education 101	1	Mathematics 102	3
Physical Education 103	3	Physical Education 102	1
	16		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
German 101	3	English 104	2
Humanities 201	4	German 102	3
Mathematics 101	3	History 104	1
Physical Education 201	1	Humanities 202	4
Physical Education 203	2	Mathematics 102	3
		Physical Education 202	1
	17		18

Junior Year

First Semester	Hours	Second Semester	Hours
Chemistry 101	4	Chemistry 102	4
Home Economics 301	3	Health Education 308	3
Physical Education 303	3	Physical Education 203	2
Physics 201	5	Physical Education 312	3
Psychology 201	3	Physics 202	5
	18		17

Senior Year

First Semester	Hours	Second Semester	Hours
Health Education 306	2	Art Education 408	2
Philosophy 201	3	Health Education 404	2
Physical Education 307	3	Philosophy 202	3
Physical Education 403	3	Physical Education 304	3
Physical Education 404	1	Physical Education 405	3
Physical Education 409	2	Physical Education 406	1
Physical Education 411	3	Electives	4
	17		18

CURRICULUM FOR RECREATION**Freshman Year**

First Semester	Hours	Second Semester	Hours
Education 101	1	Art Education 202	2
English 101	3	Biology 101	4
History 101	3	English 102	3
Mathematics 101	3	Health Education 101	2
Music Education 101	2	History 102	3
Physical Education 101	1	Mathematics 102	3
Physical Education 103	3	Physical Education 102	1
	16		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
Humanities 201	4	Education 204	3
Physical Education 201	1	English 104	2
Physical Education 203	2	Humanities 202	4
Psychology 201	3	Physical Education 202	1
Sociology 201	3	Physical Education 204	2
		Psychology 204	3
	17		19

Junior Year

First Semester	Hours	Second Semester	Hours
Art Education 201	2	Art Education 408	2
Philosophy 201	3	Philosophy 202	3
Physical Education 301	1	Physical Education 302	1
Physical Education 303	3	Physical Education 304	3
Physical Education 307	3	Physical Education 305	1
Physical Education 401	1	Physical Education 312	3
Sociology 301	3	Physical Education 402	1
	16	Sociology 202	3
			17

Senior Year

First Semester	Hours	Second Semester	Hours
Education 405	3	Education (Student Teaching) 412	6
Education (Seminar) 411	1	Health Education 404	2
Health Education 409	2	Physical Education 404	1
Physical Education 403	3	Physical Education 406	1
Physical Education 407	2	Physical Education 310	3
Sociology 303	3	Electives	2
Sociology 401	3		
	17		15

HEALTH EDUCATION

101. PERSONAL HYGIENE. The study of principles and desirable health practices with consideration of social hygiene. Credit, two hours.

306. HEALTH EDUCATION AND SAFETY EDUCATION. Methods and Materials as they relate to health and safety education in the elementary, junior high, and senior high schools. Credit, two hours.

308. SCHOOL AND COMMUNITY HYGIENE. Aspects of the school and community related to physical and mental health, with consideration of the local agencies and commissions involved. Credit, three hours.

404. FIRST AID AND ATHLETIC INJURIES. Covering materials of the standard Red Cross courses and treatment and prevention of injuries in athletics. Credit, two hours.

409. ADAPTIVES. Designed to give students training in alleviating the usual physical strength and motor inefficiencies and the adapting of physical education activities for handicapped individuals. Credit, two hours.

PHYSICAL EDUCATION

101. PHYSICAL EDUCATION SKILLS. Progressive practice of skills and techniques in touch football, basketball, social dance, Tennis I, Swimming I, Swimming II, and badminton. Credit, one hour.

102. PHYSICAL EDUCATION SKILLS. Progressive practice of skills and techniques in track and field, volleyball, Swimming II, softball, folk and square dance, Tennis I, and Swimming I. Credit, one hour.

103. INTRODUCTION TO HEALTH AND PHYSICAL EDUCATION. Designed to give an over-view of the field of physical Education. Credit, three hours.

201. PHYSICAL EDUCATION SKILLS. Progressive practice of skills and techniques in: Tennis I, badminton, paddle tennis, fencing, trampoline, bowling, and modern dance. Credit, one hour.

202. PHYSICAL EDUCATION SKILLS. Progressive practice in skills and techniques in: Tennis II, apparatus, archery, Swimming II, golf, recreational sports, tap dance, paddle tennis, apparatus. Credit, one hour.

203. FOUNDATIONS OF COMMUNITY RECREATION. Introductory course in recreation, including philosophy, theory, areas and facilities, publicity, legal status, personnel, and finance. Prerequisites: 101, 102, 201 and 202. Credit, two hours.

204. METHODS AND MATERIALS IN RECREATION. Treating recreational activity and the development of various recreational programs. Prerequisites: 101, 102, 201, and 202. Credit, two hours.

301. PHYSICAL EDUCATION SKILLS. Dual Sports—Tennis, badminton, mat work (tumbling). Credit, one hour.

302. PHYSICAL EDUCATION SKILLS. Apparatus, trampoline, archery, golf. Credit, one hour.

303. TEACHING PHYSICAL EDUCATION IN ELEMENTARY SCHOOLS. Methods and techniques of teaching physical education in elementary schools. Credit, three hours.

304. TEACHING PHYSICAL EDUCATION IN JUNIOR HIGH AND SENIOR HIGH SCHOOLS. Methods and techniques of teaching physical education in the junior and the senior high school. Credit, three hours.

305. ADVANCED TECHNIQUES IN SWIMMING AND LIFE SAVING. Upon successful completion, the American Red Cross Certificate. Prerequisite: Ability to pass the intermediate swimming test. Credit, one hour.

307. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. Historical and philosophical treatment of principles and objectives in physical education. Credit, three hours.

310. MEASUREMENT IN HEALTH AND PHYSICAL EDUCATION. Methods of measurement and evaluation applied to health and physical education. Credit, three hours.

312. KINESIOLOGY I. The study of and the analysis of human motion. Credit, three hours.

401M. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Football. Credit, one hour.

401W. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Field Hockey. Credit, one hour.

402M. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Basketball. Credit, one hour.

402W. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Women's basketball. Credit, one hour.

403. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION. Problems of health and physical education, intramurals, and athletics from the point of view of the director, the teacher, and the coach. Credit, three hours.

404M. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Baseball. Credit, one hour.

404W. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Softball. Credit, one hour.

405. PHYSIOLOGY OF EXERCISE. The study of those changes which accompany muscular activity. Emphasis is given the fatigue cycle, physical fitness, and the chronic effects of exercise. Training. Credit, three hours.

406M. PHYSICAL EDUCATION SKILLS. Coaching and Officiating. Track and Field. Credit, one hour.

406W. PHYSICAL EDUCATION SKILLS. Advanced Rhythmic Composition. Credit, one hour.

407. CAMPING. Theory and practice in the use of camping skills. Credit, two hours.

411. KINESIOLOGY II. The study of human motion with mechanical analysis of motor skills. Prerequisites: Anatomy, Kinesiology I. Credit, three hours.

LITERATURE AND LANGUAGES

Courses of study included in this Department are English, French, German, Philosophy, and Spanish.

The Department makes several important contributions to the experience and background of the student. It fosters a desire to develop the ability to communicate with clarity, accuracy, and effectiveness in speaking and writing and to read critically and leisurely, with the aim of understanding man and his world. Courses in the Department contribute to an understanding of and an appreciation for man's cultural heritage in philosophy, religion, and the fine arts. An acquaintance with one or more foreign languages and the literature of these languages is encouraged.

The College requires of all candidates for the Bachelor's degree sixteen semester hours within the Department, six of which must be in English 101-102, two in English 200, and eight in the Humanities.

Those students electing to take a foreign language must complete two full years (12 semester hours) on the college level in one language. To receive credit for a language course, students must complete two full years of the same language. Students presenting two units of high school work in a foreign language may be exempted from the first year language course on the college level, after satisfactory performance on a standardized language test.

Courses required for the English major: Thirty hours beyond English 101-102 chosen in consultation with the major advisor and fulfilling the following requirements:

1. Eight credits in the Humanities (201-202)
2. Six credits in American Literature (306-307)
3. Three credits in Advanced Composition (203)
4. Two credits in Speech (200)
5. Eleven credits in electives

Required for the English minor: Nineteen semester hours beyond English 101-102.

Recommended correlated courses: Philosophy 201, 202; Psychology 201, 204, 305; Foreign languages.

CURRICULUM IN ENGLISH
Freshman Year

First Semester		Hours
English 101	English Composition	3
History 101	World Civilization	3
Mathematics 101	Introduction of Mathematics	3
Natural Sciences 101	General Zoology	4
	or	
Education 101	General Chemistry	4
Physical Education 101	Freshman Orientation	1
	Physical Education Skills	1
		15

Second Semester		Hours
English 102	English Composition	3
History 102	World Civilization	3
Mathematics 102	Introduction of Mathematics	3
Natural Sciences 102	General Botany	4
	or	
Health and Physical Education 101.....	General Chemistry	4
	Health Education	2
	Physical Education Skills	1
		16

Sophomore Year

First Semester		Hours
English 201	The Humanities	4
Foreign Language	French 101 or 201	3
	or	
English 200	German 101 or 201	3
Health and Physical Education 201	Speech	2
Electives	Physical Education Skills	1
		6
		17
Second Semester		Hours
English 202	The Humanities	4
Foreign Language	French 102 or 202	3
	or	
Health and Physical Education 202	German 102 or 202	3
Electives	Physical Education Skills	1
		7
		15

101-102. ENGLISH COMPOSITION. This course is designed to develop skill and competence in prose composition through themes, discussions, and conferences and to develop the student's command of the English language as an instrument of learning and expression. Credit, six hours.

200. SPEECH. In this course the student receives training in the fundamentals of diction and effective oral expression in prepared and extemporaneous informal speeches. Emphasis is placed upon practice in speech and delivery. The student is required to compose and deliver various types of public speeches. Credit, two hours.

201-202. THE HUMANITIES. The aim of the course is to promote knowledge of and appreciation for the cultural and technical elements common to literature, religion, philosophy, music, art, and architecture. English 101 and English 102 are prerequisites. Credit, eight hours.

203. ADVANCED COMPOSITION. Emphasis is placed upon extensive practice in effective writing of prose composition. English 101 and English 102 are prerequisites. Credit, three hours.

204. THE ENGLISH LANGUAGE. This course is an intensive study of the nature and structure of modern English stressing sentence structure, current usage, and vocabulary. Credit, three hours.

301-302. ENGLISH LITERATURE. This survey course is designed to increase the student's awareness of the significant trends in English Literature, beginning with the Anglo-Saxon period. The course emphasizes the works of the major English writers in relation to the literary movements and ideas of their periods. Credit, six hours.

303. ENGLISH LITERATURE IN THE EIGHTEENTH CENTURY. With emphasis upon the readings of representative writers, Defoe, Addison, Steele, Pope, Swift, and Dr. Johnson and his circle, this course is a study of the Augustan Age. Credit, three hours.

304. THE ROMANTIC PERIOD IN ENGLISH LITERATURE. This course consists of readings in the prose and poetry of Wordsworth, Coleridge, Scott, Byron, Shelly, and Keats, with some attention to critical reactions to their works and to definitions of Romanticism. Credit, three hours.

305. SHAKESPEARE. The aim of this course is to impress upon the student the cultural, historical, and philosophical significance of the works of Shakespeare in relation to modern living. Representative plays from the several literary periods of Shakespeare are studied. Credit, three hours.

306-307. AMERICAN LITERATURE. Significant trends in American literary thought as reflected in the works of the major writers from the Colonial Period to the present are emphasized in this course. Credit, six hours.

401. VICTORIAN LITERATURE. The aim of this course is to present selected readings in the major poets of the period, Tennyson, Browning, Rossetti, and their contemporaries, against the background of Victorian thought. Credit, three hours.

402. CONTEMPORARY LITERATURE. This course is a study of British and American writers of fiction and poetry since 1900, with emphasis on the main currents of thought in the twentieth century. Credit, three hours.

403. SENIOR SEMINAR. The Seminar embraces a correlation of the content of the various courses by review of periods, literary trends, and significant authors of English, American, and continental literature. Credit, three hours.

FRENCH

101-102. ELEMENTARY FRENCH. Essentials of grammar, pronunciation, and simple reading. Introduction to civilization through reading. Credit, six hours.

201-202. INTERMEDIATE FRENCH. Extensive reading and a grammar review. Further work in civilization through reading in class and collateral reading. Continue oral practice. Prerequisites: 2 years of satisfactory work in high school or French 101-102. Credit, six hours.

301-302. SURVEY OF FRENCH LITERATURE PRIOR TO 1850. Lectures on the major literary movements in France. Selected readings from each period. Reports. Prerequisites: French 201-202. Credit, six hours.

303. MODERN LITERATURE OF FRANCE. A study of the most important personalities, movements, and ideas from 1850 to the present. Credit, three hours.

GERMAN

101-102. ELEMENTARY GERMAN. An intensive course for beginners or those who desire to review the elements of the language. Drill in elementary grammar; oral and written practice; easy prose reading. The course aims to develop the student's ability to speak, read, write, and comprehend German. Credit, six hours.

201-202. INTERMEDIATE GERMAN. Composition and conversation. Grammar review; selected readings; narrative prose, drama, and lyrics. Credit, six hours.

PHILOSOPHY

201. INTRODUCTION TO PHILOSOPHY. This introductory course is designed to familiarize the student with the purpose, problems, and methods of philosophical thinking. It aims to lead the student to organize his own life-view and world-view in the light of a critical examination of his ideas of typical philosophic positions. Credit, three hours.

202. RELIGIONS OF MANKIND. The aim of this course is to increase the student's awareness of the role of religion in the history of the world. A study is made of the origins, founders, and basic philosophies affecting mankind in his relationship to the universe. Credit, three hours.

SPANISH

101-102. ELEMENTARY SPANISH. Grammar, conversation, reading, translation, and composition. This course is for beginners. Credit, six hours.

201-202. INTERMEDIATE SPANISH. Intensive reading, grammar review, conversation, and composition. Credit, six hours.

MATHEMATICS

The Department of Mathematics aims to guarantee to all students functional competence in Mathematics; to develop an appreciation for the contributions of Mathematics to Science, Business, Economics, and the Social Studies; to develop the power of critical thinking; to prepare majors for careers in teaching, government, and industry; to provide an adequate mathematical background for those students planning to do graduate work in Mathematics.

Courses required for a major: Thirty semester hours in Mathematics including Mathematics 101, 104, 201-202, and eighteen semester hours of electives in Mathematics, excluding Mathematics 102.

Courses required for a minor: Twenty-one semester hours in Mathematics including Mathematics 101, 104, 201-202, and nine semester hours of electives in Mathematics, excluding Mathematics 102.

CURRICULUM IN MATHEMATICS

Freshman Year

First Semester	Hours	Second Semester	Hours
Biology 101 or Chemistry 101	4	Biology 102 or Chemistry 102	4
Education 101	1	English 102	3
English 101	3	Health Education 101	2
History 101	3	History 102	3
Mathematics 101	3	Mathematics 104	3
Physical Education 101	1	Physical Education 102	1
	<u>15</u>		<u>16</u>

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 101, Chemistry 101 or Physics 201	4-5	Biology 102, Chemistry 102 or Physics 202	4-5
German 101	3	German 102	3
Humanities 201	4	Humanities 202	4
Mathematics 201	3	Mathematics 202	3
Physical Education 201	1	Physical Education 202	1
Psychology 201	3	Elective (Mathematics)	3
	<u>18-19</u>		<u>18-19</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 101, Chemistry 101 or Physics 201	4-5	Biology 102, Chemistry 102 or Physics 202	4-5
Economics 201, Government 201, History 203 or Sociology 201	3	German 202	3
German 201	3	History 104	1
Electives (Mathematics)	6	Elective (Mathematics)	3
Elective	3	Electives	6
	<u>19-20</u>		<u>17-18</u>

Senior Year

First Semester	Hours	Second Semester	Hours
English 200	2	Elective (Mathematics)	3
Elective (Mathematics)	3	Electives	10
Electives	<u>11</u>		
	<u>16</u>		<u>13</u>

101-102. INTRODUCTION TO MATHEMATICS. Designed to acquaint all students with the nature of mathematics and its relation to other fields of knowledge. The fundamentals of mathematics through an introduction to calculus are included. Required for all terminal students. (Mathematics and Chemistry majors take the first semester only.) Credit, six hours.

104. ANALYTIC GEOMETRY. The straight line, the circle, conics and higher plane curves, transformations of coordinates, general equation of the second degree, classification of quadric surfaces. Prerequisite: Mathematics 101. Credit, three hours.

201-202. CALCULUS. Functions and graphs, limits and continuity, the derivative, differentials, integration, applications of differentiation and integration to the solution of practical problems, infinite series. Prerequisite: Mathematics 104. Credit, three hours.

203. COLLEGE GEOMETRY. Extension of elementary geometry including methods of proof, geometric constructions, harmonic ranges and pencils, inversion, pole and polar, orthogonal and coaxial circles. Prerequisite: Mathematics 101. Offered in even alternate years. Credit, three hours.

204. NON-EUCLIDEAN GEOMETRY. History of Euclid's parallel postulate, nature of proof, characteristics of a mathematical system, Lobachevskian geometry, Riemannian geometry, proof of theorems. Prerequisite: Mathematics 101. Offered in odd alternate years. Credit, three hours.

301. DIFFERENTIAL EQUATIONS. Solution of ordinary differential equations and their applications to various types of problems. Prerequisite: Mathematics 202. Credit, three hours.

302. LINEAR ALGEBRA. Introduction to sets, logic, the theory of n -dimensional vector spaces, matrices. Prerequisite: Mathematics 202. Offered in even alternate years. Credit, three hours.

303. THEORY OF PROBABILITY. Fundamentals of combinatorial analysis, events, conditional probability, and statistical independence; binomial, normal, and Poisson distributions, law of large numbers. Prerequisite: Mathematics 202. Offered in odd alternate years. Credit, three hours.

401-402. ADVANCED CALCULUS. Review of fundamental topics, continuity, improper integrals, line and surface integrals, gamma and beta functions, power and Fourier series. Prerequisites: Mathematics 202 and 301. Credit, six hours.

MUSIC EDUCATION

The Department of Music Education prepares students majoring in Music Education for positions as music teachers in the elementary and secondary schools and encourages the pursuit of Music Education on the graduate level. It also serves the Department of Elementary Education by providing several courses in music required for prospective elementary school teachers. The Department provides programs designed to stimulate the development of musical understanding and appreciation and offers opportunities for students who are interested in music to enroll in music courses and musical activities.

Requirements for majors:

All students will select a major performing medium, which must be studied each semester. A student electing a major performing medium other than piano must take piano for non-credit until a certain proficiency is attained. Then he may enroll in Music Education 305P or 306P (Piano). Students with piano as a major performing medium must take Music Education 305V and 306V (Voice). Students with piano as a major performing medium are required to participate in vocal organizations eight semesters and in instrumental organizations four semesters.

Students with instrumental emphasis are required to participate in instrumental organizations eight semesters and in vocal organizations four semesters. Students with vocal emphasis are required to participate in vocal organizations eight semesters and in instrumental organizations four semesters. A certain proficiency must be attained before enrolling in any of the music ensembles.

All Music majors are required to attend and participate in departmental seminars and must elect the dance and rhythmic sections of the physical education curriculum.

CURRICULUM IN MUSIC EDUCATION**Freshman Year**

First Semester	Hours	Second Semester	Hours
History 101	3	English 102	3
Biology 101	4	Biology 102	4
English 101	3	History 102	3
Music Education 113	1	Music Education 114	1
Education 101	1	Health Education 101	2
Music Education 103	2	Music Education 104	2
Music Education 107 or 115	1	Music Education 108 or 116	1
Music Education 105	1	Music Education 106	1
Physical Education 101	1	Physical Education 102	1
	17		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Foreign Language 101	3	Foreign Language 102	3
Music Education 207	1	Music Education 208	1
Music Education 215	1	Music Education 216	1
Music Education 213	3	Music Education 214	3
Music Education 205	1	Music Education 206	1
Psychology 201	3	Education 204	3
Physical Education 201	1	Physical Education 202	1
Music Education 313	1	Music Education 311	1
	18		18

Junior Year

First Semester	Hours	Second Semester	Hours
Music Education 310	2	History 104	1
Music Education 305	1	Music Education 306	1
Music Education 307	1	Music Education 308	1
Music Education 315	1	Music Education 316	1
Music Education 321	2	Music Education 202	3
Music Education 305V or 305P	1	Music Education 306V or 306P	1
Mathematics 101	3	Mathematics 102	3
History 203	3	Music Education 312	1
Foreign Language 201	3	Foreign Language 202	3
	17	Psychology 204	3
			18

Senior Year

First Semester	Hours	Second Semester	Hours
Education 403	3	Music Education 410	3
Music Education 303	3	Music Education 304	3
Music Education 407 or 415	1	Music Education 408 or 416	1
Education 411	1	Education 412	6
Music Education 405	2	Music Education 406	2
Music Education 401	1		
Music Education 403	1		
Music Education 314	1		
Music Education 302	3		
English 200	2		
	18		15

101. INTRODUCTION TO MUSIC. A course designed to acquaint the non-music major with the broad field of music. Emphasis is placed upon the development of musical interests and elementary skills in music reading and writing through participation and listening. Credit, two hours.

103-104. SIGHT SINGING AND DICTATION. A practical course developing the ability to sing at sight fluently. A study of the principles of tone and rhythm and their recognition through the oral sense; developing the power to visualize; seeing and writing music through dictation—melodic and harmonic. Credit, four hours.

105-106, 205-206, 305-306, 405-406. APPLIED MUSIC. (1-2). Instruments and Voice Instructions in applied music. Development of performing skills is a basic requirement. Applied music instructions are offered in groups and individually.

Students are required to study their major performing medium individually in one private lesson per week. Those studying applied music as a minor medium may elect, under certain conditions and with special permission, study in small classes. Students taking applied music for credit will be required in all cases to study with members of the College faculty.

107-108, 207-208, 307-308, 407-408. CHORUS. A study of choral works with the following topics especially stressed: reading, interpretation, tone quality, enunciation, and diction. Meets three times weekly. Credit, one hour.

113-114. FUNDAMENTALS OF MUSIC. A study of the elements of music: scale and chord structure, rhythmic patterns, music terminology, and forms and styles of musical compositions. Credit, two hours.

115-116, 215-216, 315-316, 415-416. BAND. First semester: marching band; performance at football games. Second semester: concert band; provides study of concert literature and performance. Meets three times weekly. Credit, one hour.

201. PUBLIC SCHOOL MUSIC—FUNDAMENTALS. Ear training and sight singing, relative pitch, notation and study of rhythms, intervals in major and minor modes, key signatures, and dictation. Non-Music Majors. Credit, two hours.

202. PUBLIC SCHOOL MUSIC—METHODS AND MATERIALS. A study of the child's singing voice in the primary and intermediate grades; matching tones; the treatment of monotones; methods of presenting rote songs; methods of presenting rhythm through simple interpretation and rhythm band. Introduction to note singing, and materials for the child's singing voice. Music 201 prerequisite for non-music majors. Credit, three hours.

213-214. HARMONY. A course in chord structure and chord relationship from the melodic and rhythmic basis; modulation; use of nonharmonic tones; harmonization of melodies, and analysis. Credit, six hours.

301. METHODS IN PUBLIC SCHOOL MUSIC. Materials and methods for the intermediate and junior high school grades. Required for Elementary Education majors. Credit, two hours.

302. MATERIALS AND METHODS. A study of music courses for junior and senior high schools. Problems of organization, methods, materials, voice classification, music clubs, assembly and routine work are considered. A list of music suitable for carrying on the various activities is compiled. Credit, three hours.

303. MUSIC HISTORY AND LITERATURE. A chronological study of western music from pre-christian times to Beethoven. Emphasis on the evolution of forms, styles, and media. Credit, three hours.

304. MUSIC HISTORY AND LITERATURE. Continuation of 303: Commencing with Beethoven and continuing to the present. Credit, three hours.

310. CONDUCTING. The technique of conducting group organizations, choral and instrumental. Instruction, demonstration, and practice. Credit, two hours.

311. BRASSES. A practical study of the brass instruments, with emphasis on the cornet. Credit, one hour.

312. STRINGS. A practical study of the string choir, with emphasis on the violin. Credit, one hour.

313. PERCUSSIONS. A practical study of the percussion instruments, with emphasis on the snare drum. Credit, one hour.

314. WOODWINDS. A practical study of the woodwind instruments, with emphasis on the clarinet. Credit, one hour.

321. COUNTERPOINT. A study of contrapuntal forms; analysis of thematic construction, and practical application in written exercises. Credit, two hours.

401. VOCAL METHODS. A study of vocal fundamentals: diction, intonation, tone quality and breath control. Emphasis on methods of teaching. Credit, one hour.

403. INSTRUMENTAL METHODS. A study of instrumental materials for all grades, problems of intonation, tone quality, balance, rehearsal

techniques, and the functions of instrumental music in the public schools. Credit, one hour.

410. ORCHESTRATION AND ARRANGING. A study in the fundamentals of writing for orchestral instruments and voices. Arranging for various combinations with reference to the needs of the public school. Credit, three hours.

PHYSICAL SCIENCES

The Department of Physical Sciences strives to train students to use the scientific method of inquiry; to provide a sound foundation for the student wishing to concentrate in chemistry or physics; to provide a proper sequence of courses for those planning to teach chemistry, physics or general science in the secondary school; to prepare students for careers in chemistry, both those requiring further study at the graduate level and those for which only undergraduate training is necessary.

For a major in Chemistry, thirty semester hours distributed as follows are required. Chemistry 203-204, 301-302, 401, 402, and 403-404. Chemistry 101-102 is a prerequisite to these courses.

For a minor in Chemistry, twenty semester hours are required: Chemistry 101-102, 201, and 301-302.

CURRICULUM IN CHEMISTRY

Freshman Year

First Semester	Hours	Second Semester	Hours
Chemistry 101	4	Chemistry 102	4
Education 101	1	English 102	3
English 101	3	Health Education 101	2
History 101	3	History 102	3
Mathematics 101	3	Mathematics 104	3
Physical Education 101	1	Physical Education 102	1
	15		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
Chemistry 301	4	Chemistry 302	4
German 101	3	German 102	3
Humanities 201	4	Humanities 202	4
Mathematics 201	3	Mathematics 202	3
Physical Education 201	1	Physical Education 202	1
Psychology 201	3	Elective	3
	18		18

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 101	4	Biology 102	4
Chemistry 203	4	Chemistry 204	4
German 201	3	German 202	3
Physics 201	5	Physics 202	5
Economics 201, Government 201, History 201 or Sociology 201	3	Elective	3
	19		19

Senior Year

First Semester	Hours	Second Semester	Hours
Chemistry 401	3	Chemistry 402	3
Chemistry 403	4	Chemistry 404	4
English 200	2	History 104	1
Electives	6		
	<hr/> 15		<hr/> 8

101-102. GENERAL CHEMISTRY. A basic course in chemistry treating the physical and chemical properties of the non-metallic and metallic elements, with special emphasis upon the fundamental principles of the science. The theory and laboratory work in the second semester are devoted largely to the fundamentals of qualitative analysis. Systematic separation and identification of cations and anions are covered. Two lectures and two laboratory periods per week. Prerequisites: High School Algebra and Geometry; Mathematics 101 or 104 to be taken concurrently. Credit, eight hours.

103-104. INTRODUCTORY CHEMISTRY. A course in the elementary principles of inorganic and organic chemistry. Intended primarily for students of agriculture and home economics. Two lectures and two laboratory periods per week. Prerequisite: Mathematics 101 or 104 to be taken concurrently. Credit, eight hours.

201. ELEMENTARY QUANTITATIVE ANALYSIS. A short course which includes theory and laboratory practice in the volumetric and gravimetric analysis of inorganic materials. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 101-102; Mathematics 101. Credit, four hours.

201. PHYSICAL SCIENCE SURVEY. A survey of the physical sciences covering briefly astronomy, mathematics, chemistry, geology, and physics. Credit, three hours.

203-204. QUANTITATIVE ANALYSIS. An intensive course devoted to a detailed study of the theory and laboratory practice of volumetric, gravimetric and instrumental analysis of inorganic materials. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 101-102; Mathematics 101 and 104. Credit, eight hours.

301-302. ORGANIC CHEMISTRY. A course devoted to a study of the aliphatic and aromatic series of carbon compounds. Two lectures and two laboratory periods per week. Prerequisite: Chemistry 101-102. Credit, eight hours.

301-302. SCIENCE FOR ELEMENTARY SCHOOL TEACHERS. A course in nature study including the methods of presenting this material to elementary school pupils. One laboratory period. Credit, two hours.

401. ORGANIC QUALITATIVE ANALYSIS. A continuation of the study of organic chemistry with emphasis on the methods of characterization and identification of organic compounds. Two lectures and one laboratory period per week. Prerequisite: Chemistry 301-302. Credit, three hours.

402. ADVANCED ORGANIC CHEMISTRY. A course devoted to special advanced work in organic preparations and investigations. Two lectures and one laboratory period per week. Prerequisite: Chemistry 301-302. Credit, three hours.

403-404. PHYSICAL CHEMISTRY. The fundamental laws and theories of matter as applied to gases, liquids, solids and solutions are covered. Two lectures and two laboratory periods per week. Prerequisites: Chemistry 203-204; Chemistry 301-302; Physics 201-202; Mathematics 201-202. Credit, eight hours.

PHYSICS

Minor: 24 semester hours in Physics distributed as follows: Physics 201-202 and fourteen (14) semester hours of electives.

201-202. GENERAL PHYSICS. An elementary treatment of mechanics, heat, light, sound, electricity, and magnetism. Two lectures, one recitation, and two laboratory periods per week. Prerequisites: Mathematics 101; Mathematics 102 or 104. Credit, ten hours.

203. HOUSEHOLD PHYSICS. The application of the principles of physics to household devices. Intended primarily for students of home economics. Two lectures and one laboratory period per week. Prerequisite: Mathematics 101 or to be taken concurrently. Credit, three hours.

301-302. ANALYTICAL MECHANICS. An intermediate course including particle motion, the statistics and dynamics of rigid bodies, motion under central forces, vibratory motion, an introduction to generalized coordinates and the equations of Hamilton and Lagrange. Three lectures per week. Prerequisites: Physics 201-202, Mathematics 201-202. Credit, six hours.

303. MODERN PHYSICS. A course covering electron theory and relativity, quantum mechanics, radiation and radiative transitions, atomic structure and the periodic system, molecular spectra, x-rays and crystal structure, nuclear reactions, nuclear properties, and nuclear models. Three lectures and one laboratory period per week. Prerequisites: Physics 201-202; Mathematics 201-202. Credit, four hours.

401-402. ELECTRICITY AND MAGNETISM. The topics covered include electricity and the electrostatic field, magnetism and the magnetic field, potential, capacity, electric circuit theory, resistance and its measurements, electrolytic conduction and batteries, inductive circuits, alternating current networks, transformers, electromagnetic waves, and thermionic emission. Three lectures and one laboratory period per week. Prerequisites: Physics 201-202; Mathematics 201-202. Credit, eight hours.

403-404. **OPTICS.** An intermediate course in the study of lenses, aberrations, optical instruments, polarization, interference, diffraction, live spectra, thermal radiation, photometry, and color. Two lectures and one laboratory period per week. Prerequisites: Physics 201-202; Mathematics 201-202. Credit, six hours.

SOCIAL SCIENCES

HISTORY

The Department of Social Sciences offers a major and a minor in History and provides courses which will promote knowledge and understanding of and devotion to our society. The Department likewise provides service courses in History for students who pursue majors and minors in other subjects.

CURRICULUM IN HISTORY

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Natural Science 101	4	Natural Science 102	4
Mathematics 101	3	Mathematics 102	3
History 101	3	History 102	3
Physical Education 101	1	Physical Education 102	1
Education 101	1	Health and Physical Education ..	1
	15		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Foreign Language 101	3	Foreign Language 102	3
Government 201	3	History 202	3
Physical Education 201	1	History 104	1
English 103	2	Physical Education 202	1
Elective	3	Elective	3
	16		15

Junior Year

First Semester	Hours	Second Semester	Hours
Foreign Language 201	3	Foreign Language	3
Psychology 201	3	Electives	12
Electives	9		
	15		15

Senior Year

First Semester	Hours	Second Semester	Hours
History 401	3	History 404	3
Electives	12	Electives	12
	15		15

101. **HUMAN GEOGRAPHY.** This course is concerned with the relationship between man and land and with changes that have been brought about through the growth of applied science. Credit, three hours.

101-102. **WORLD CIVILIZATION.** A survey of the growth of the great cultures of the past, from the ancient world to the present. Developments of the last two centuries receive major consideration. Credit, six hours.

102. **GEOGRAPHY.** A study of the location, organization, and importance of the major areas of economic production, such as agricultural, lumbering, manufacturing, and fisheries. Credit, three hours.

104. **HISTORY AND GOVERNMENT OF DELAWARE.** A survey course of the history and government of Delaware. Credit, one hour.

201. **AMERICAN GOVERNMENT.** Analysis and description of the organization and functioning of the federal government, with some attention to state government. Credit, three hours.

201-202. **HISTORY OF THE UNITED STATES.** The first semester covers the period from 1492 to 1865; the second, the period from 1865 to the present. Cultural, economic, and social developments are given adequate emphasis. Credit, six hours.

301-302. **HISTORY OF ENGLAND.** The political, social, economic, and cultural growth of the English national state. Credit, six hours.

305. **THE AMERICAN FRONTIER.** Traces the history of the frontier from the period of the settlement until the closing years of the nineteenth century. Interprets it as a factor in the shaping of the civilization of the United States. Offered in alternate years. Credit, three hours.

308. **DIPLOMATIC HISTORY OF THE UNITED STATES.** A history of American diplomacy from the Revolutionary War to recent times, with attention to domestic and foreign influences affecting the policies of the federal government. Offered in alternate years. Credit, three hours.

312. **ECONOMIC HISTORY OF THE UNITED STATES.** A study of the development of economic activity in the United States, with major emphasis upon such post-Civil War phenomena as the rise of industry, transportation and communication systems, labor organization, commercialization of agriculture, the role of government in the economy. Credit, three hours.

401. **CONTEMPORARY CIVILIZATION.** World developments in the twentieth century, with primary emphasis on western Europe. Considerable attention is given to recent changes in Africa, the Near East, and the Far East. Credit, three hours.

402. **CONSTITUTIONAL HISTORY OF THE UNITED STATES.** Covers the entire period of the constitution. Changing interpretations during and since the era of Chief Justice Marshall and recent trends receive close attention. Offered in alternate years. Credit, three hours.

403. **THE CIVIL WAR AND RECONSTRUCTION.** An intensive study of the impact of the Civil War and its consequences upon American civilization. Offered in alternate years. Credit, three hours.

404. **SEMINAR IN HISTORY.** An introduction to historiography and methodology. A term paper is required. Prescribed for seniors in history. Credit, three hours.

SOCIOLOGY

The Department of Social Sciences offers a major concentration in Sociology which introduces students to the scientific study of society and at the same time prepares them for successful performance in graduate and professional school. It provides service courses and minor concentrations for election by students who major in other subjects.

CURRICULUM IN SOCIOLOGY**Freshman Year**

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Natural Science 101	4	Natural Science 102	4
Mathematics 101	3	Mathematics 102	3
History 101	3	History 102	3
Physical Education 101	1	Physical Education 102	1
Education 101	1	Health Education 101-102	2
	<u>15</u>		<u>16</u>

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Foreign Language 101	3	Foreign Language 102	3
Physical Education 201	1	Physical Education 202	1
Sociology 201	3	Sociology 202	3
Psychology 201	3	History 104	1
English 103	2	Electives	3
	<u>16</u>		<u>15</u>

Junior Year

First Semester	Hours	Second Semester	Hours
History 201	3	History 202	3
Foreign Language 201	3	Foreign Language 202	3
Sociology 303	3	Electives	9
Economics 201	3		
Elective	3		
	<u>15</u>		<u>15</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Sociology 401	3	Sociology 406	3
Electives	12	Electives	12
	<u>15</u>		<u>15</u>

201. INTRODUCTION TO SOCIOLOGY. A survey of the field. Develops a conceptual framework for use in the systematic study of society. Required for majors and minors. Credit, three hours.

202. SOCIAL DISORGANIZATION. Employing the concepts and principles developed in Sociology 201, this course investigates major social problems, such as crime, divorce, juvenile delinquency, old age. Required for majors and minors. Credit, three hours.

206. ANTHROPOLOGY. An introductory course. Devotes some time to the emergence and development of man. Major emphasis is upon the development of culture. Credit, three hours.

301. JUVENILE DELINQUENCY. The delinquency problem; factors associated with delinquency; preventive measures; rehabilitation. Credit, three hours.

302. RURAL SOCIOLOGY. The development of rural society in the United States; rural social organization and processes; the nature and direction of rural social change. Credit, three hours.

303. SOCIAL PSYCHOLOGY. This course is concerned with the development of the individual through interpersonal relations and contacts with the culture. A required course for majors. Prerequisites: Sociology 201 and Sociology 202. Credit, three hours.

305. URBAN SOCIOLOGY. The ecological structure, social processes, organization, and problems of the urban community. Recent urban trends. Credit, three hours.

307. COMMUNITY AND COMMUNITY ORGANIZATION. Growth of the community; analyses of typical communities; community institutions, services, and problems. Credit, three hours.

308. CRIMINOLOGY. The nature and extent of crime in the United States; theories of crime; problems of rehabilitation. Credit, three hours.

309. LEADERSHIP AND RECREATION. An attempt to meet the need for theoretical and practical preparation for work with children and youth. Social and psychological backgrounds of recreational problems; needs at different developmental levels; program building. Credit, three hours.

401. THE FAMILY. Historical evolution of the family; family structures and functions; current changes and problems. Prerequisite: Junior or senior standing. Credit, three hours.

402. COURTSHIP AND MARRIAGE. Undertakes to develop knowledge, understanding, and attitudes which will enable youth to experience courtship constructively. Prerequisite: Sociology 201. Credit, three hours.

404. RACE RELATIONS. A study of the basic nature of interracial relations. Analyzes problems connected with the larger minority groups in the United States. Credit, three hours.

405. THE FIELD OF SOCIAL WORK. A systematic presentation of the major areas with an introduction to their general problems and techniques. Credit, three hours.

406. SOCIOLOGICAL THEORIES. Description and critical study of the more important sociological theories of the nineteenth and twentieth centuries. Prerequisite: Sociology 201. Open to seniors. Credit, three hours.

VOCATIONAL EDUCATION

The Area of Vocational Education with majors leading to degrees in Teacher Education and other professions comprises three departments: Agriculture, Business Education, and Home Economics.

AGRICULTURE

The Department of Agriculture offers both professional courses set up to prepare students for educational service and technical courses designed to develop production skills. It offers some courses which may be selected by students of other departments as a part of their study programs. These experiences are designed to prepare teachers of vocational agriculture for the secondary schools; to train present and prospective farmers for a more permanent, proficient, and prosperous agriculture; to prepare students for prospective positions of leadership in agriculture and related agricultural industries; to develop an appreciation for the place of agriculture and rural life in a democratic society; and to aid students in developing an appreciation of the role of science in the production, processing, and marketing of agricultural products.

CURRICULUM IN AGRICULTURE

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Physical Education 101	1	Physical Education 102	1
Education 101	1	Health Education 101-102	2
Mathematics 101	3	Mathematics 102	3
Biology 101	4	Biology 102	4
History 101	3	History 102	3
English 103	2	History 104	1
	17		17

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Philosophy 201	3	Philosophy 202	3
Chemistry 101	4	Biology 202	4
Chemistry 201	4	Chemistry 102	4
Psychology 201	3	Agriculture 204	3
	18		18

Junior Year

First Semester	Hours	Second Semester	Hours
Physical Education 201	1	Physical Education 202	1
Biology 303	3	Sociology 302	3
Biology 305	4	English 204	3
Economics 307	3	Agriculture 304	3
English 203	3	Agriculture 206	3
Agriculture 205	3	Agriculture 306	3
	17		16

Senior Year

First Semester	Hours	Second Semester	Hours
Biology 307	4	Agriculture 302	3
Agriculture 205	3	Agriculture 314	3
Agriculture 313	3	Agriculture 414	3
Agriculture 207	3	Agriculture 308	3
Agriculture 301	3	Agriculture 310	3
	16	Agriculture 418	3
			18

CURRICULUM IN AGRICULTURAL EDUCATION

Freshman Year

First Semester	Hours	Second Semester	Hours
Education 101	1	Health Education 101-102	2
Physical Education 101	1	Physical Education 102	1
History 101	3	History 102	3
English 101	3	English 102	3
English 200	2	Biology 102	4
Chemistry 103	4	Chemistry 104	4
***Agriculture 103	3	History 104	1
	17		18

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Philosophy 201	3	Philosophy 202	3
Psychology 201	3	Agriculture 202	2
Agriculture 201	2	Agriculture 204	3
Agriculture 205	3	Agriculture 206	3
Mathematics 101	3	Mathematics 102	3
	18		18

Junior Year

First Semester	Hours	Second Semester	Hours
Physical Education 201	1	Physical Education 202	1
Biology 303	3	Sociology 302	3
Biology 305	3	Agriculture 302	3
Agriculture 301	3	Agriculture 304	3
Agriculture 305	3	Agriculture 308	3
Agriculture 311	2	Agriculture 310	3
Agriculture 313	3	Agriculture 312	2
	18		18

Senior Year

First Semester	Hours	Second Semester	Hours
Biology 307	4	Education 412	6
**Agriculture 401	3	Education 416	3
Education 405	3	Agriculture 414	3
Education 407	3	Agriculture 416	3
Education 411	1	*Agriculture 418	3
Education 415	3		
	17		18

*Formerly Agriculture 309
 **Formerly Agriculture 207
 ***Formerly Agriculture 208

103. AGRICULTURAL MATHEMATICS. Mathematics for the farmer and the agricultural worker covers problems in production, marketing, construction, recording, engineering, purchasing and planning, also problems relating to power farming and farm shop, and a review of the fundamentals in mathematics, geometry and algebra as they apply to the several fields of agriculture. Credit, three hours.

201. FARM MECHANICS. This course is planned for beginners and presents applied information in the use of tools, equipment, and materials commonly used in repair, maintenance, and upkeep about the farm, farmstead, and home. Tool recognition, repair and adjustment, together with activities in woodworking, small construction, cold metal work, painting, glazing, leather work, and pipefitting are included. Two laboratory periods. Credit, two hours.

202. FARM MECHANICS. A continuation of Agriculture 201 covering brick and cement work, plastering, electrical wiring, motors, forging, soldering, sheet metal work and elementary welding and cutting. Two laboratory periods. Credit, two hours.

204. FRUIT PRODUCTION. Orchard management and fruit production. A general course covering tree and bush groups, their production and harvesting, packing and marketing. Planning the young orchard, selecting varieties, putting out trees, developing the necessary skills for good orchard management. Two lectures and one laboratory period a week. Credit, three hours.

205. SOILS AND FERTILIZERS. In this course a study is made of local soils, their types and structure with special emphasis on those factors which contribute to plant growth. Fertilizers and manure are studied from the standpoint of soil improvement and conservation as well as production of crops. A study of plant food elements, their function and application. Two lectures and one laboratory period a week. Credit, three hours.

206. FEED AND CARE OF FARM LIVESTOCK. Farm animal feeds, their source, composition, characteristics, and feeding value. Recommended care and feeding practices for dairy and beef cattle, swine, sheep and work-stock. The balancing of rations. Two lectures and one laboratory period a week. Credit, three hours.

207. LIVESTOCK PRODUCTION. A study of the market classes and grades of livestock and their production on the farm. A study of breed characteristics as they relate to market production with the chief objectives of the course centering around economy and production efficiency as they relate to selection, feeding, care, management, disease control, and marketing. One hour lecture, two laboratory periods. Credit, three hours.

208. FIELD AND FORAGE CROPS. An introduction to the fundamental principles of crop production and the study of the more important field crops with emphasis on their importance, distribution, culture, types and varieties, and utility value. Two lectures and one hour laboratory period a week. Credit, three hours.

301. FARM POULTRY. The practical applications of poultry husbandry are stressed in this course with particular reference to farm conditions. Breeds, selection, feeding, incubation, brooding, management, and marketing poultry and poultry products are included in this course. Two lectures and one laboratory period a week. Credit, three hours.

302. FARM POULTRY. A continuation of Farm Poultry, Agriculture 301. Special problems in the poultry industry including broiler production, developing breeding and laying flocks, maintaining accredited flocks, sanitation and health problems, marketing, butchering, poultry disease,

and parasites are covered in this course. Two lectures and one laboratory period a week. Credit, three hours.

304. FARM MANAGEMENT. The problem of organizing, coordinating, and managing farm enterprises. A study of the methods used in farm business analysis together with farm accounting and bookkeeping. Credit, three hours.

305. ADVANCED FARM SHOP. A course devoted to perfecting skills in forms of activities: shop planning, drawing, plan reading, making of specifications and bills of materials, making job sheets and lesson plans. This course also includes laying out of foundations and building construction and is especially designed for prospective teachers of vocational agriculture. Three laboratory periods. Credit, three hours.

306. PRUNING AND SPRAYING. Pruning as a factor in orchard and fruit production. Methods and systems used. Use and care of pruning equipment. A study of spray materials and spray equipment. The control measures used for various orchard insects and diseases. One hour lecture and two laboratory periods. Credit, three hours.

308. PLANT PATHOLOGY. A companion course to Agriculture 306. Laboratory and field study of diseases. Also collection and study of economic insects and their control. Two lectures and one laboratory period a week. Credit, three hours.

309. MARKETING AGRICULTURAL PRODUCTS. A study of the principles of marketing as they relate to the farmer. The organization and financial structure of farmers' cooperatives and related organizations. Market types, methods, and usages. Credit, three hours.

310. VEGETABLE GARDENING. Fundamentals in the production of vegetable crops including varieties and types and preparation for market. Also insect and disease control measures. Two lectures and one laboratory period a week. Credit, three hours.

311. FARM MACHINERY. This course is designed to cover all types of farm machinery used in tillage, seeding, harvesting, and processing operations on the farm. A study of their construction, adjustment, repair, and operation, as well as a comparison of features of efficiency in service and operation is made. Two laboratory periods. Credit, two hours.

312. POWER MACHINERY AND FARM UTILITIES. A continuation of Agriculture 311 dealing with farm tractors, trucks, motors, and farm operated power machines. Operation, adjustment, repair, and upkeep are factors studied. Two laboratory periods. Credit, two hours.

313. DAIRYING. Methods in testing and analyzing dairy products. Creamery methods and practices. The care of dairy products on the farm; their manufacture and use. Care, management and feeding of the dairy herd; care and use of dairy equipment; meeting of standards

of sanitation and health. Two lectures and one laboratory period a week. Credit, three hours.

403. AGRICULTURAL JUDGING. A study of farm animals, animal products, farm crops, and seeds from the standpoint of market and utility selection. The course is designed to develop skill in judging and placing. One lecture, one laboratory period. Credit, two hours.

414. SWINE PRODUCTION. The maintaining of the home meat supply for producing swine on the farm. Also the production of swine for market and breeding purposes. Selection of breeds and breeding stock, flushing, breeding, farrowing, weaning, and fattening, butchering, curing, and marketing are included. One hour lecture, two laboratory periods. Credit, three hours.

416. PRICIPLES OF DAIRY TECHNOLOGY. A general survey course of the dairy products industry, with emphasis on Delaware, dealing with composition, properties, distribution, testing, processing, and handling of milk. Methods of ice cream, butter, cheese making. Pasteurization, bottling, and packaging. Two lectures and two laboratory periods a week. Credit, three hours.

417. AGRICULTURE. Theory and practice of landscape design with special application to home grounds. Practice in drawing and estimating planting plans and differential leveling will also be emphasized. Grading, propagations, plant combinations and uses in association with structures and gardens will be studied. Credit, three hours.

BUSINESS EDUCATION

See course descriptions under Business Administration, pp. 34-36.

CURRICULUM IN BUSINESS EDUCATION

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Biology 101 or Chemistry 101... 4		Biology 102 or Chemistry 102... 4	
Physical Education 101	1	Physical Education 102	1
Health Education 101	2	Geography 102	3
Education 101	1	Secretarial Science 102	2
Secretarial Science 101	2	History 102	3
History 101	3	History 104	1
	16		17

Sophomore Year

First Semester	Hours	Second Semester	Hours
Business 205	3	Business 206	3
Secretarial Science 201	2	Secretarial Science 202	2
Secretarial Science 103	3	Secretarial Science 104	3
Physical Education 201	1	Physical Education 202	1
Mathematics 101	3	Business 108	3
Business 211	3	Mathematics 102	4
Humanities 201	4	Humanities 202	4
	17		19

Junior Year

First Semester	Hours	Second Semester	Hours
Business 305	3	Education 204	3
English 200	2	Psychology 204	3
Secretarial Science 203	3	Secretarial Science 204	3
Economics 201	3	Philosophy 202	3
Psychology 201	3	Secretarial Science 302	3
Music 101	2	Psychology 302	3
Art 102 or 201	2		
	18		18

Senior Year

First Semester	Hours	Second Semester	Hours
Business 401	3	Education 412	6
Business 301	3	Business 328	3
Business 327	3	Secretarial Science 402	3
Secretarial Science 401	3	Elective	3
Elective	3		
Education 411	1		
	16		15

SECRETARIAL SCIENCE

CURRICULUM IN SECRETARIAL SCIENCE

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Biology 101 or Chemistry 101... 4		Biology 102 or Chemistry 102... 4	
Secretarial Science 101	2	Secretarial Science 102	2
Physical Education 101	1	Physical Education 102	1
Education 101	1	History 102	3
Health Education 101	2	History 104	1
History 101	3	Business 108	3
	16		17

Sophomore Year

First Semester	Hours	Second Semester	Hours
Secretarial Science 103	3	Secretarial Science 104	3
Secretarial Science 201	2	Secretarial Science 202	2
Business 205	3	Business 206	3
Physical Education 201	1	Humanities 202	4
Mathematics 101	3	Physical Education 202	1
Humanities 201	4	Mathematics 102	3
Music 101	2		
	18		16

Junior Year

First Semester	Hours	Second Semester	Hours
Economics 201	3	Art 102 or 201	2
Business 305	3	English 200	2
Business 301	3	Philosophy 202	3
Secretarial Science 203	3	Secretarial Science 204	3
Psychology 201	3	Secretarial Science 302	3
Elective	3	Elective	3
	18		16

Senior Year

First Semester	Hours	Second Semester	Hours
Business 401	3	Business 402	3
Economics 307	3	Secretarial Science 402	3
Secretarial Science 401	3	Electives	6
Electives	6		
	15		12

SECRETARIAL SCIENCE

101-102. TYPEWRITING I AND II. A beginner's course devoted to achieving mastery of the keyboard and development of speed and accuracy in the manipulation of the machine. Credit, four hours.

103-104. STENOGRAPHY I AND II. An elementary course including theory underlying stenographic recording and building of a vocabulary. Credit, six hours.

201-202. TYPEWRITING III AND IV. An advanced course with emphasis upon the perfection of skill in the manipulation of the machine. Speed and accuracy are stressed. Credit, four hours.

203-204. STENOGRAPHY III AND IV. Advanced instruction and practice designed to bring the skills of the student up to professional standards. Credit, six hours.

302. BUSINESS MACHINES. A course providing experience with standard machines which are used in modern business offices—such as machines for computation, duplication, and graphic presentation. Credit, three hours.

401. DICTATION AND TRANSCRIPTION. A course concentrating on developing a high degree of skill in the organized use of the basic instruments of the secretary—namely, shorthand, English, and typewriting. Credit, three hours.

402. SECRETARIAL PRACTICE. A course combining practice with instruction in the routine operations which confront the secretary in an office. Credit, three hours.

102. MILITARY SCIENCE. This course is given to familiarize the student with the U. S. Military Forces and their place in the present day activities of the U. S. Government, their importance and effect on the civilian way of life, and their place in foreign affairs. Credit, one hour.

HOME ECONOMICS

Programs for all home economics majors are directed toward educating prospective teachers to prepare students for homemaking responsibilities and activities necessary to achieve family well being; preparing prospective teachers for helping family members improve the quality of their home life through more thoughtful and efficient development and utilization of human and material resources.

The Department also guides prospective teachers in contributing to the education of youth so they are better able to meet present and future needs related to their emotional health, physical development, social growth, aptitudes, and ambitions. Finally, a basic foundation of knowledge which will enable the students to pursue careers in the many areas of home economics.

Students majoring in Home Economics may follow one of two curricula: Home Economics or Home Economics Education.

CURRICULUM IN HOME ECONOMICS**Freshman Year**

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Biology 101	4	Mathematics 102	3
Mathematics 101	3	Home Economics 102	3
Education 101	1	Home Economics 104	3
Home Economics 101	3	Home Economics 106	3
Health Education 101	2	Physical Education 102	1
Physical Education 101	1		
	17		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
History 101	3	History 102	3
Chemistry 103	4	Chemistry 104	4
Psychology 201	3	Psychology 204	3
Home Economics 203	3	Home Economics 204	3
	17		17

Junior Year

First Semester	Hours	Second Semester	Hours
Philosophy 201	3	Philosophy 202	3
Biology 305	4	Biology 204	4
Home Economics 207	3	Home Economics 208	3
Home Economics 201	3	Home Economics 312	3
Home Economics 301	3	Home Economics 205	3
Physical Education 201	1	Physical Education 202	1
	17		17

Senior Year

First Semester	Hours	Second Semester	Hours
Economics 201	3	Home Economics 308	3
Home Economics 305	6	Home Economics 314	3
Home Economics 401	3	Home Economics 404	6
Home Economics 402	3	Home Economics 304	3
English 103	2	History 104	1
	17		17

CURRICULUM IN HOME ECONOMICS EDUCATION**Freshman Year**

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Mathematics 101	3	Mathematics 102	3
Education 101	1	Home Economics 102	3
Biology 101	4	Home Economics 104	3
Home Economics 101	3	Home Economics 106	3
Health Education 101	2	Physical Education 102	1
Physical Education 101	1		
	17		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
History 101	3	History 102	3
Humanities 201	4	Humanities 202	4
Chemistry 103	4	Chemistry 104	4
Psychology 201	3	Psychology 204	3
Home Economics 203	3	Home Economics 204	3
Physical Education 201	1	Physical Education 202	1
	18		18

Junior Year

First Semester	Hours	Second Semester	Hours
Philosophy 201	3	Philosophy 202	3
Biology 305	4	Home Economics 205	3
Psychology 305	3	Home Economics 301	3
Home Economics 202	3	Home Economics 314	3
Sociology 201	3	Home Economics 316	3
		Education 306	3
	16		18

Senior Year

First Semester	Hours	Second Semester	Hours
Education 307	3	Home Economics 306	3
Home Economics 201	3	Education 412	6
Home Economics 304	3	Sociology 402	3
Home Economics 305	6	History 104	1
English 103	2		
	17		13

101. PERSONAL AND FAMILY RELATIONSHIPS. A study of personal problems and relationships, evaluation of personal, social, and economic life at home and in college as they affect family and group living. Three lectures. Credit, three hours.

102. INTRODUCTORY FOODS. A study of the nutritional value of foods commonly used in the home. An explanation of the methods of cookery as they promote good nutrition. One lecture, two laboratory periods. Credit, three hours.

104. CLOTHING AND TEXTILES. The selection of textiles used in the designing of becoming and artistically interesting clothes for various types of personalities, for wardrobe planning, for the construction of simple garments using commercial patterns. One lecture, two laboratory periods. Credit, three hours.

106. COLOR AND DESIGN. A basic course in art, consisting of a study of the principles of art and the fundamentals of line and design. Credit, three hours.

201. MANAGEMENT IN RELATION TO HOME FURNISHING AND EQUIPMENT. Selection, arrangement, use, and care of household equipment and supplies. Evaluation of construction of equipment as well as the procedures to be used in its care in the home. Study of time, effort, and energy expenditures in working with the equipment of the household and the ways in which height and arrangement assist in saving labor. Home and community sanitation; planning and care of home surroundings. One lecture, two laboratory periods. Credit, three hours.

202. ART APPLIED TO DAILY LIVING. An application of artistic ability to enhance personal surroundings. Use of textiles, wood, leather, clay, ceramics, and other materials as decorative media for the home and for personal use. One lecture, two laboratory periods. Credit, three hours.

203. MEAL MANAGEMENT. A study of nutritious meals for families of different income levels; management problems related to the family

group. Comparison of commercially and home prepared foods; evaluation of grades and standards. Planning, preparing and serving foods for special occasions. One lecture, two laboratory periods. Credit, three hours.

204. CLOTHING FOR THE FAMILY. Adaptation of style to the individual. Practical experience in selection, care, and construction of garments for all members of the family. Attention to clothing and grooming needs and purchasing techniques for the entire family. One lecture, two laboratory periods. Open to non-majors. Credit, three hours.

205. FAMILY ECONOMICS. Study, experimentation, and discussion of the consumer's part in the marketing system and problems arising in the selection, purchasing, and care of household and personal commodities. Special reports and shopping projects. Three lectures. Open to non-majors. Credit, three hours.

207. FOOD PREPARATION. A continuation of Home Economics 102, developing by experimental work the various cookery processes. One lecture, two laboratory periods. Credit, three hours.

208. ADVANCED FOODS. Special emphasis on the development of skill in preparation of foods, a study of economy in relation to food preparation. A study of demonstration techniques as applied to foods and household appliances. Prerequisite: Home Economics 207. One lecture, two laboratory periods. Required for food majors. Credit, three hours.

301. NUTRITION. Fundamental principles of nutrition; direct application to feeding individuals and families under varying physiological and social conditions. Two lectures, one laboratory period. Credit, three hours.

304. HOUSE PLANNING AND FURNISHING. Study of houses and their environments in relation to family development. Observation of homes as a basis for planning conveniences, attractiveness, and economy for all activities in family living. Experience in securing and furnishing a house for a specific family consumer's problems in selecting, purchasing, and furnishing a home. One lecture, two laboratory periods. Open to non-majors. Credit, three hours.

305. HOME MANAGEMENT HOUSE. Theory and practice in home management in a situation in which students live together as a family for at least six consecutive weeks, having full responsibility for routine duties of a home to give practice in good management on a given income. Marriage problems and family relationships are discussed with emphasis on human values, social, and recreational needs of family members. Six weeks residence. Credit, six hours.

306. ADVANCED CLOTHING. Tailoring of a suit or coat. Construction of a suit blouse, followed by draping a simple garment. Factory and custom made garments compared. One lecture, two laboratory periods. Credit, three hours.

307. HOME CARE OF THE SICK. General home care of the sick; use of simple and improvised sick room appliances. First aid. One lecture, one laboratory period. Credit, two hours.

308. NUTRITION IN DIET AND DISEASE. Application of the fundamental principles of nutrition to the feeding of individuals so as to overcome malnutrition, and the the various ways of adjusting the diet to meet dietary needs of individuals in case of disease. Two lectures, one laboratory period. Credit, three hours.

310. PRE-COMMERCIAL SEWING. This course is designed to give students training, knowledge, and skill in shop techniques. Emphasis is placed on power machine operation and factory techniques. Some practice is given in renovation and making of household furnishings, such as slip covers, draperies, and curtains. One lecture, two laboratory periods. Credit, three hours.

312. EXPERIMENTAL COOKERY. Influence of kind and preparation of ingredients, methods of manipulation and cookery on the palatability and nutritive value of foods. Use of inexpensive foods for improving diet. Prerequisite: Home Economics 102. One lecture, two laboratory periods. (Required for food majors; elective for others.) Credit, three hours.

314. CHILD DEVELOPMENT AND CARE. Physical, social, emotional, and mental development of children from conception to six years. Observation in Nursery School (Home Economics 316) three lectures. Required of all Home Economics majors. Elective for others. Credit, three hours.

316. THE NURSERY SCHOOL. The organization of a play school. Observation of children in the home and play school. Participation in directing the activities of pre-school children. Class hours by arrangement. Two laboratory periods of three hours each. Credit, three hours.

401. INSTITUTIONAL MANAGEMENT. A study of the methods of scientific management and organization of foods and housekeeping departments to institutions. Purchase and care of equipment for institutions. Opportunity is given for practice in the various phases of management. Three lectures. Credit, three hours.

402. QUANTITY COOKERY. Practice in handling food in large quantities, making menus, preparing and serving meals in school cafeterias, estimating profit and loss, use of institutional equipment. Principles of cafeteria, school lunch, and nursery school management stressed. One lecture, two laboratory periods. Credit, four hours.

404. INSTITUTIONAL FIELDWORK. A continuation of Home Economics 401 with opportunity given for field work in hospitals, schools, and restaurants. Credit, six hours.

STUDENT ROSTER

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Name	Major Field
Allison, William	History
Arnell, Marshall	History
Bivins, Ernestine J.	Sociology
Harmon, Cleo	Sociology
Jordan, Wallace	History
Kittrels, Alonzo	Sociology
Swygert, Peggy	Sociology
Thompson, Allen	Sociology

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

Name	Major Field
Barrett, Priscilla	Music Education
Blakey, Delores	Elementary Education
Brashers, Deborah	Elementary Education
Bratcher, George	Elementary Education
Broughton, Walter	Elementary Education
Brown, David	Business Administration
Burris, Delema	Elementary Education
Clayton, John	Health and Physical Education
Coverdale, Juanita	Business Education
Dawson, Donald	Business Administration
DeJarnette, Willie	Elementary Education
Dorman, Patricia	Mathematics
Duck, Evander	Health and Physical Education
Freeman, William	Health and Physical Education
Givens Esther,	Business Education
Godfrey, Selena	Elementary Education
Grant, Purcell	Elementary Education
Granville, William	Mathematics
Hammond, Clara	Elementary Education
Hardy, Milton	Biology
Harmon, Oliver	Biology
Harmon, Thomas	Mathematics
Hayes, Lawrence	Business Education
Hayes, Phyllis	Elementary Education
Heath, Irvin	Business Administration
Hickman, Sarah	Elementary Education
Higgins, Ethel	Elementary Education
Hoagland, Christine	Music Education
Holmes, Alfred	Business Administration
Jackson, Frances	Elementary Education
Jackson, Joan	Business Education
Jenkins, Rosetta	Elementary Education
Johnson, Marion	Home Economics Education
Johnson, Vera	Biology
Joyner, Hewitt	Health and Physical Education
Kemp, Patricia	Elementary Education

Candidates for the Bachelor of Science Degree Continued

Name	Major Field
Klaus, Gary	Agricultural Education
Knight, Janice	Music Education
Lingo, Felton	Health and Physical Education
Liston, Bailey	Health and Physical Education
Mangum, Barbara	Elementary Education
Marshall, James	Biology
Miller, George	Business Education
Napier, Walter	Chemistry
Norwood, Alexander	Elementary Education
Pearson, Cleo	Business Education
Pearson, Kenneth	Business Administration
Rhem, Melvin	Business Administration
Ricketts, William	Health and Physical Education
Roy, Carl (Taylor)	Health and Physical Education
Sadler, Philip	Business Administration
Scales, James	Business Administration
Short, Donald	Biology
Sims, John	Chemistry
Snead, Patricia	Elementary Education
Swiggett, Hortense	Biology
Thompson, Mortimer	Biology
Wallace, Herman	Health and Physical Education
Whitfield, Geneva	Elementary Education
Wilder, Harrison	Mathematics
Willoughby, Edith	Elementary Education
Wimberly, Llewellyn	Business Administration
Wines, Lucius	Business Administration

SENIORS

Name	Major Field	City and State
Allison, William	History	Wilmington, Del.
Arnell, Marshall	History	Dover, Del.
Atkinson, Yvonne	Elementary Education	Portsmouth, Va.
Barrett, Priscilla	Music Education	Smyrna, Del.
Bass, Mildred	Elementary Education	Dover, Del.
Bessellieu, Charles	Elementary Education	Frederica, Del.
Bivins, Ernestine	Sociology	Lothian, Md.
Blakey, Delores	Elementary Education	Dover, Del.
Blakey, Noel	Business Education	Washington, D. C.
Brashears, Deborah	Elementary Education	Wilmington, Del.
Bratcher, George	Elementary Education	West Chester, Pa.
Broughton, Walter	Elementary Education	St. Albans, N. Y.
Brown, David	Business Administration	Wilmington, Del.
Brunson, Freddie	Health and Physical Education	Daytona Beach, Fla.
Bryant, Philip	Chemistry	Townsend, Del.
Burris, Delema	Elementary Education	Felton, Del.
Clayton, John	Health and Physical Education	West Palm Beach, Fla.
Cooper, Dorothy	Elementary Education	Dover, Del.
Coverdale, Juanita	Business Education	Philadelphia, Pa.
Dawson, Donald	Business Administration	Wilmington, Del.
DeJarnette, Willie	Elementary Education	Chester, Pa.

SENIORS (continued)

Name	Major Field	City and State
Dixon, Lloyd	Chemistry	Trenton, N. J.
Dorman, Patricia	Mathematics	Seaford, Del.
Duck, Evander	Health and Physical Education	Asbury Park, N. J.
Fortune, Robley	Elementary Education	Boston, Mass.
Freeman, William	Health and Physical Education	Milford, Del.
George, Joyce	Sociology	Lakewood, N. J.
Givens, Esther	Business Education	Georgetown, Del.
Godfrey, Selena	Elementary Education	Seaford, Del.
Grant, Purcell	Elementary Education	Wilmington, Del.
Granville, William	Mathematics	Trenton, N. J.
Grayson, Fannie	Elementary Education	Dover, Del.
Hammond, Clara	Elementary Education	Wilmington, Del.
Hanks, Woody	Health and Physical Education	Asheville, N. C.
Hardy, Milton	Biology	Rehoboth, Del.
Harmon, Cleo	Sociology	Georgetown, Del.
Harmon, Oliver	Biology	Ellendale, Del.
Harmon, Thomas	Mathematics	Millsboro, Del.
Hayes, Lawrence	Business Education	Elizabeth, N. J.
Hayes, Phyllis	Elementary Education	Greenwood, Del.
Heath, Irvin	Business Administration	Philadelphia, Pa.
Hickman, Sarah	Elementary Education	Wilmington, Del.
Higgins, Ethel	Elementary Education	Dover, Delaware
Hoagland, Christine	Music Education	West Chester, Pa.
Holmes, Alfred	Business Administration	Neptune, N. J.
Hunt, Essie	Business Education	Philadelphia, Pa.
Jackson, Frances	Elementary Education	Wilmington, Del.
Jackson, Joan	Business Education	Millsboro, Del.
Jenkins, Rosetta	Elementary Education	New Castle, Del.
Johnson, Marion	Home Economics Education	Clayton, Del.
Johnson, Vera	Biology	Smyrna, Del.
Jordan, Wallace	History	Philadelphia, Pa.
Joyner, Hewitt	Health and Physical Education	Boston, Mass.
Kemp, Patricia	Elementary Education	Seaford, Del.
King, Roger	Health and Physical Education	Washington, D. C.
Kittrels, Alonzo	Sociology	Philadelphia, Pa.
Klaus, Gary	Agricultural Education	Marydel, Del.
Knight, Janice	Music Education	Philadelphia, Pa.
Lingo, Felton	Health and Physical Education	Bridgeton, N. J.
Liston, Bailey	Health and Physical Education	Charlotte, N. C.
Mangum, Barbara	Elementary Education	Conshohocken, Pa.
Marshall, James	Biology	Dover, Del.
McCoy, Shirley	Sociology	Fort Worth, Texas
McSears, Jack	Business Administration	Seaford, Del.
Meyers, Benjamin	Biology	Dover, Del.
Miller, George	Business Education	Milford, Del.
Napier, Walter	Chemistry	Wilmington, Del.
Norwood, Alexander	Elementary Education	Chester, Pa.
Oliver, Eula	Elementary Education	Frankford, Del.
Parrott, Suzanne	Elementary Education	Dover, Del.
Pearson, Cleo	Business Education	New York, N. Y.
Pearson, Kenneth	Business Administration	New York, N. Y.
Penny, Walter	Health and Physical Education	Richmond, Va.
Rhem, Melvin	Business Administration	Philadelphia, Pa.
Ricketts, William	Health and Physical Education	Seaford, Del.

SENIORS (continued)

Name	Major Field	City and State
Roy, Carl	Health and Physical Education	Washington, D. C.
Sadler, Philip	Business Administration	Wilmington, Del.
Scales, James	Business Administration	Neptune, N. J.
Short, Donald	Biology	Frankford, Del.
Sims, John	Chemistry	Wilmington, Del.
Snead, Patricia	Elementary Education	Laurel, Del.
Swiggett, Hortense	Biology	Smyrna, Del.
Swygert, Peggy	Sociology	Dover, Del.
Thompson, Allen	Sociology	Asbury Park, N. J.
Thompson, Mortimer	Biology	Alexandria, Va.
Wallace, Herman	Health and Physical Education	Charleston, S. C.
Watson, Dorothy	Elementary Education	Newark, Del.
Whitfield, Geneva	Elementary Education	Dover, Del.
Wilder, Harrison	Mathematics	Charleston, S. C.
Willoughby, Edith	Elementary Education	Dover, Del.
Wimberly, Llewellyn	Business Administration	Philadelphia, Pa.
Wines, Lucius	Business Administration	Philadelphia, Pa.
Wyche, Bobby	Biology	Richmond, Va.

JUNIORS

Name	Major Field	City and State
Arnold, Richard	Chemistry	Dover, Del.
Bailey, F. Bryan	Secretarial Science	Dover, Del.
Baxter, Ulysses	Elementary Education	Philadelphia, Pa.
Bennett, Jannie	Home Economics	Hammonton, N. J.
Benton, Estella	Biology	Wilmington, Del.
Blocksom, Jo Anne	Business Education	Seaford, Del.
Brashears, Lewis	Sociology	Wilmington, Del.
Brooks, Dennis	Music Education	Wilmington, Del.
Brunswick, Anthony	Mathematics	Laurel, Del.
Burks, Kenneth	Business Education	Winchester, Va.
Carroll, Franceania	Sociology	Wilmington, Del.
Clifton, Patricia	Home Economics	Smyrna, Del.
Coleman, Norwood	Music Education	Wilmington, Del.
Collins, John	Biology	Wilmington, Del.
Congo, Ernest	Business Education	Newark, Del.
Conway, Donald	Health and Physical Education	Washington, D. C.
Cora, Ralph	Health and Physical Education	New York, N. Y.
Davis, Robert	Business Administration	Lincoln, Del.
Dozier, Burrell	Elementary Education	Philadelphia, Pa.
Driggus, Anne	Elementary Education	Dover, Del.
Elzy, Sonja	Elementary Education	Wilmington, Del.
Gamell, David	Biology	Wilmington, Del.
Griffin, Brenda	Elementary Education	Dover, Del.
Hairston, Major	Elementary Education	Wilmington, Del.
Hall, Sallie	Business Education	Frankford, Del.
Harmon, Barry	Mathematics	Millsboro, Del.
Haskins, Peggy	Elementary Education	Wilmington, Del.
Hayward, Homer	Chemistry	Princess Anne, Md.
Henry, Clarence	Elementary Education	Middletown, Del.

JUNIORS (continued)

Name	Major Field	City and State
Hill, William	Biology	Harrington, Del.
Hopson, Ronald	Elementary Education	Williamstown, N. J.
Hyland, Doris	Elementary Education	Laurel, Del.
Jenkins, Samuel	Sociology	Philadelphia, Pa.
Johnson, Courtney	Music Education	Brandywine, Md.
Johnson, James	Biology	Wilmington, Del.
Johnson, Mabel	Sociology	Wilmington, Del.
Johnson, William	Agriculture	Clayton, Del.
Joines, Gwendolyn	Elementary Education	Wilmington, Del.
Korb, Donald	Sociology	Dover, Del.
Lewis, James	Biology	Philadelphia, Pa.
Miller, Clark	History	Wilmington, Del.
Mixon, Evelyn	Business Education	Wilmington, Del.
Moody, Cynthia	Business Education	Wilmington, Del.
Morris, Charlotte	Home Economics Education	Lewes, Del.
Mosley, Drucilla	Sociology	Milford, Del.
Newby, Doris	Elementary Education	Philadelphia, Pa.
Nixon, Robert	Health and Physical Education	Leesburg, Fla.
Palmer, Jeanette	Sociology	Philadelphia, Pa.
Pearson, William	Business Administration	Wilmington, Del.
Peters, Herbert	Sociology	Greenfield, Mass.
Price, Dorothy	Elementary Education	Wilmington, Del.
Raison, Betty	Sociology	Wilmington, Del.
Raphael, Jesse	Elementary Education	Texarkana, Ark.
Reynolds, G. Sandra	Business Education	Baltimore, Md.
Ricketts, Ethel	Business Education	Seaford, Del.
Roberson, Richard	Health and Physical Education	St. Petersburg, Fla.
Saunders, Barbara	Home Economics Education	Mt. Vernon, N. Y.
Saunders, Emma Jean	Business Education	Wilmington, Del.
Sizemore, John	Elementary Education	New Haven, Conn.
Smith, Irene J.	Elementary Education	Delaware City, Del.
Smith, Lolita	Elementary Education	Lawnside, N. J.
Spencer, Frances	History	Bridgeville, Del.
Steward, Martha	Biology	Harrington, Del.
Stradling, Joseph	Agriculture	Barclay, Md.
Summers, Gwendolyn	Sociology	Clayton, Del.
Swiggett, Catherine	Biology	Clayton, Del.
Swiggett, Edward	Agriculture	Smyrna, Del.
Tate, Edna	Business Education	Wilmington, Del.
Tate, Lloyd	Biology	Lexington, N. C.
Turner, Sarah	English	Milford, Del.
Vaughan, Geneva	Sociology	Philadelphia, Pa.
White, Earl	Business Administration	Coraopolis, Pa.
Wilson, Cecil	Elementary Education	Chester, Pa.
Wilson, Raymond	Mathematics	Wilmington, Del.
Woolford, Leila	Elementary Education	New Castle, Del.

SOPHOMORES

Name	Major Field	City and State
Arnell, Malcolm	Sociology	Dover, Del.
Bailey, Robert	Business Administration	Dover, Del.
Baine, Joshua	History	Wilmington, Del.
Ballard, Don	History	Wilmington, Del.

SOPHOMORES (continued)

Name	Major Field	City and State
Bell, Austin	Chemistry	Wilmington, Del.
Bender, Paul	Sociology	Greenwood, Del.
Bishop, Clyde	Sociology	Newark, Del.
	Health and	
Bost, Charles	Physical Education	Concord, N. C.
	Health and	
Bowles, George	Physical Education	Martinsville, Va.
Bratten, Bertha	Biology	Frankford, Del.
Brice, Azalie	Elementary Education	Easton, Md.
Brown, Perry	Biology	Wilmington, Del.
Bruder, Edward	Physics	Dover, Del.
Bunting, Robert	Business Administration	Asbury Park, N. J.
Burton, Joyce	Elementary Education	Lewes, Del.
Cannon, Alka	Home Economics Education	Seaford, Del.
Cannon, Barbara	Business Education	Seaford, Del.
Cannon, Willie L.	Elementary Education	Dover, Del.
Chappel, Luke	Biology	New Haven, Conn.
Clark, William	Elementary Education	Williamstown, N. J.
Cole, Shirley	Secretarial Science	Wilmington, Del.
Conaway, Ernest	Health and Physical Education	Millsboro, Del.
Davis, James	English	Milford, Del.
Dicks, Patricia	Sociology	Brooklyn, N. Y.
Dillard, Hestene	Elementary Education	New Castle, Del.
Drayton, Carey	Agriculture	Bridgeville, Del.
Dupee, Alver	Elementary Education	Fieldale, Va.
Edmonds, Edgenell	Elementary Education	Martinsville, Va.
Evans, Hazel	Elementary Education	Farmingdale, N. J.
Ferrell, Paul	Business Administration	New York, N. Y.
Gaines, Catherine	Business Administration	Townsend, Del.
Gaines, Regina	Health and Physical Education	Delmar, Del.
Garrison, Esther	Business Education	Selbyville, Del.
Gray, Levonzo	Chemistry	Avon Park, Fla.
Griffin, Zella	English	Burton S. C.
	Health and	
Gunnell, Larry	Physical Education	Hightstown, N. J.
Hall, Geraldine	Biology	Harbeson, Del.
Hamilton, Howard	Mathematics	East Orange, N. J.
Harley, Gwendolyn	Sociology	Wilmington, Del.
Harmon, Patricia	Elementary Education	Marshallton, Del.
Harmon, Waymond	Agriculture	Rehoboth, Del.
Harmon, Willis	Mathematics	Millsboro, Del.
	Health and	
Harris, Dorothy	Physical Education	Wilmington, Del.
Harris, Myrtle	Business Education	Wyoming, Del.
Hayward, Woodrow	History	Brooklyn, N. Y.
Henry, Charles	History	Georgetown, Del.
Hogsten, James	Health and Physical Education	Felton, Del.
Holland, Vincent	Sociology	Chester, Pa.
Holloman, Yvonne	Business Education	Milton, Del.
	Health and	
Holt, Wardell	Physical Education	Willow Grove, Pa.
Hopkins, Moezell	Business Education	Millsboro, Del.
Horsley, John	Health and Physical Education	Laurel, Del.
Hyland, Harvey	Health and Physical Education	Laurel, Del.
Jackson, Bruce	Mathematics	Millsboro, Del.
Jackson, Marilyn	Elementary Education	Wilmington, Del.

SOPHOMORES (continued)

Name	Major Field	City and State
Johnson, Frances	Home Economics Education	Seaford, Del.
Johnson, Harold	Health and Physical Education	Richmond, Va.
Jones, Eva	Sociology	Philadelphia, Pa.
Jones, Marva	Business Education	Lucedale, Miss.
Jones, William	Health and Physical Education	Laurel, Del.
Jordan, Clarence	Business Administration	Chester, Pa.
Jubilee, Leroy	Agriculture	Millsboro, Del.
Lawson, Alphonzo	Business Education	Washington, D. C.
Lingo, Marita	Health and Physical Education	Bridgeton, N. J.
Livingston, Roland	History	Wilmington, Del.
McDougal, Gail	Elementary Education	Philadelphia, Pa.
McKibbins, Bobby	Physical Education	Atlanta, Ga.
Mifflin, Kenneth	Chemistry	Georgetown, Del.
Morris, Pauline	Elementary Education	Dover, Del.
Mosley, Hilda	Business Education	Dover, Del.
Mosley, Laura	Biology	Birmingham, Ala.
Moyer, Charles	History	Dover, Del.
Mumford, Ernestine	Business Education	Selbyville, Del.
Nickens, Virginia	Business Education	Laurel, Md.
Norman, Calvin	Mathematics	Dover, Del.
Nutter, Harvey	Elementary Education	Bridgeton, N. J.
Osborne, Frederic	Elementary Education	New Haven, Conn.
Palmer, Pauline	Health and	
	Physical Education	Philadelphia, Pa.
Perkins, Terrence	Health and Physical Education	Seaford, Del.
Perry, Celestine	Sociology	Washington, D. C.
Postley, Douglas	Health and	
	Physical Education	Selbyville, Del.
Prator, Flair	Elementary Education	Vineland, N. J.
Ransom, Sallye	Home Economics	Rehoboth, Del.
Rickards, Ermadine	Home Economics	Greenwood, Del.
Riley, Joyce	Elementary Education	Smyrna, Del.
Robinson, James	Health and	
	Physical Education	Fort Meade, Fla.
Robinson, Leonia	Elementary Education	Lewes, Del.
Scott, John	History	Georgetown, Del.
Short, William	Health and	
	Physical Education	Wilmington, Del.
Singleton, Juanita	Business Education	Chester, Pa.
Smith, Idell	Elementary Education	Dover, Del.
Smith, Irene H.	Business Education	Monroeville, N. J.
Smith, Joseph	History	Wilmington, Del.
Stewart, Granville	Elementary Education	Lewes, Del.
Still, William	Sociology	Wyoming, Del.
Street, Richard	History	Millsboro, Del.
Sudler, Loretta	Elementary Education	Wilmington, Del.
Summers, Lloyd	Biology	Middletown, Del.
Swiggett, Sandra	Elementary Education	Smyrna, Del.
Swinton, Nathaniel	Biology	Charleston, S. C.
Tart, Annette	Elementary Education	Philadelphia, Pa.
Thomas, Marie	Elementary Education	Philadelphia, Pa.
Tunnell, Wynell	Business Education	Nassau, Del.
Turner, Doris	Elementary Education	Wilmington, Del.
Walker, Willie	Business Administration	Wilmington, Del.
West, Bernice	Elementary Education	Laurel, Del.
White, Charles	Biology	Dover, Del.

SOPHOMORES (continued)

Name	Major Field	City and State
White, Hyacinth	Home Economics	Dover, Del.
White, Melva	Elementary Education	Berlin, Md.
Wilkins, David	Elementary Education	Elizabeth, N. J.
Williams, Herman	Health and Physical Education	Wilmington, Del.
Wilson, Sandra	Business Education	Philadelphia, Pa.
Young, Theodore	History	Milton, Del.
York, Clarence	Business Administration	Rahway, N. J.
York, James	History	Roselle, N. J.

FRESHMEN

Name	Major Field	City and State
Anderson, Sylvester	History	Wilmington, Del.
Atkinson, Edward	Music Education	Philadelphia, Pa.
Austin, Clarence	Agriculture	Horntown, Va.
Avent, Marva	Music Education	Glassboro, N. J.
Bailey, Claude	Chemistry	Wilmington, Del.
Baker, Joseph	Sociology	Brooklyn, N. Y.
Banks, Jacqueline	Elementary Education	Bridgeville, Del.
Barksdale, Linwood	Sociology	Englewood, N. J.
Barrett, David	Mathematics	Newark, N. J.
Batten, Ira	Sociology	Norristown, Pa.
Baynard, Raymond	Biology	Houston, Del.
Beckett, William	Elementary Education	Frankford, Del.
Bell, Charles	Health and Physical Education	Laurel, Del.
Bell, Dwight	Agriculture	Philadelphia, Pa.
Berry, John	Sociology	Bridgeton, N. J.
Betancourt, Michael	Mathematics	New York, N. Y.
Betner, Cleora	Business Education	Philadelphia, Pa.
Bivins, Marva	History	Aliquippa, Pa.
Blackmon, Bruce	Music Education	Englewood, N. J.
Blackshear, Jesse	Sociology	Savannah, Ga.
Blakey, Brenda	History	Washington, D. C.
Blanchard, John	History	Philadelphia, Pa.
Brewington, Mary	Health and Physical Education	Bridgeville, Del.
Bright, Garner	Elementary Education	Neptune, N. J.
Brown, Sandra	Health and Physical Education	Wilmington, Del.
Brummell, Louis	Health and Physical Education	Bridgeville, Del.
Bryan, Frances	Elementary Education	Wilmington, Del.
Burton, Andrew	Elementary Education	Wilmington, Del.
Burton, Joseph	Elementary Education	Wilmington, Del.
Butts, Donald	Elementary Education	Bridgeton, N. J.
Byrd, Calvin	Sociology	Wilmington, Del.
Carey, Alfred	Health and Physical Education	Coatesville, Pa.
Carter, Charles	Biology	Dover, Delaware
Cephas, Sandra	Biology	Lincoln, Del.
Chapman, Henry	Sociology	Paulsboro, N. J.
Cherry, Thomas	Health and Physical Education	New York, N. Y.

FRESHMEN (continued)

Name	Major Field	City and State
Cirwithian, Delores	Elementary Education	Milton, Del.
Clark, Dianne	Elementary Education	Delair, N. J.
Coleman, James	History	Harrington, Del.
Coney, Joseph	Sociology	Wilmington, Del.
Cooper, Newell	History	Red Bank, N. J.
Coursey, Henry	Health and Physical Education	Newark, Del.
Covington, Rachel	Business Education	Wilmington, Del.
Crawford, Robert	History	Chester, Pa.
Crowell, James	Health and Physical Education	Trenton, N. J.
Daniels, Roland	Health and Physical Education	Dover, Del.
Davis, John	Health and Physical Education	Neptune, N. J.
Dixon, Delbert	Health and Physical Education	Houston, Del.
Dorman, Granville	Biology	Seaford, Del.
Douglas, Julia	Secretarial Science	Philadelphia, Pa.
Doyle, Charles	Health and Physical Education	New York, N. Y.
Drew, Martin	English	Frankford, Del.
Dupee, Leroy	Mathematics	Fieldale, Va.
Emory, Betty	Elementary Education	Bridgeville, Del.
Emory, Maurice	Agriculture	Bridgeville, Del.
Faulkner, Gene	Health and Physical Education	Winston-Salem, N. C.
Fisher, Charles	Sociology	Jamaica, N. Y.
Fitchett, Rose	Mathematics	Dover, Del.
Fooks, Jo Ann	Health and Physical Education	Philadelphia, Pa.
Fountain, Douglas	Music Education	Seaford, Del.
France, James	Mathematics	Martinsville, Va.
Francis, Barbara	Elementary Education	Wilmington, Del.
Frazier, Richard	Health and Physical Education	Washington, D. C.
Freeman, Thomas	Business Administration	Dover, Del.
Gaines, Bertha	Mathematics	Laurel, Del.
Gaines, Delores	English	Laurel, Del.
Ganges, Theodore	Health and Physical Education	Trenton, N. J.
Gilfillian, Basil	Health and Physical Education	Darby, Pa.
Gipson, Richard	Chemistry	Cranford, N. J.
Gist, Dorothy	Mathematics	Wilmington, Del.
Godfrey, William	Health and Physical Education	Charleston, N. C.
Golden, Carolyn	Sociology	Wilmington, Del.
Goldsborough, Carolyn	Health and Physical Education	Dover, Del.
Graham, Archibald	Health and Physical Education	Conshohocken, Pa.
Grandison, Charles	Sociology	Wilmington, Del.
Grant, Joyce	Elementary Education	Bridgeville, Del.
Gregory, Rufus	Music Education	Dover, Del.
Griffin, Theresa	Sociology	Dover, Del.
Hall, Joyce	Elementary Education	Clarksville, Del.
Harmon, Flossie	Elementary Education	Ellendale, Del.
Harris, Chester	Health and Physical Education	Dover, Del.

FRESHMEN (continued)

Name	Major Field	City and State
Harris, Kathryn	Biology	Milford, Del.
Harris, Robert	Elementary Education	Newark, N. J.
Harris, Ronald	Business Administration	Elkins Park, Pa.
Henderson, Nina	Home Economics	Bronx, N. Y.
Hickerson, Charles	Elementary Education	Dover, Del.
Hill, Jacqueline	Elementary Education	Wilmington, Del.
Holland, John	Elementary Education	Wilmington, Del.
Hollis, Ann	Health and Physical Education	Twin Oaks, Pa.
Holloway, Robert	Music Education	Wilmington, Del.
Holmes, Samuel	Business Education	Woodstown, N. J.
Hopkins, John	History	Wilmington, Del.
Hopkins, Oscar	History	Georgetown, Del.
Hopkins, Stanford	Elementary Education	Townsend, Del.
Jackson, James	Biology	Philadelphia, Pa.
Jackson, John	Sociology	Philadelphia, Pa.
Jackson, Joseph	Music Education	Dover, Del.
Jackson, Lillian	Elementary Education	Philadelphia, Pa.
Jackson, Mary B.	History	Philadelphia, Pa.
Jacobs, Walter	Sociology	Longhorne, Pa.
James, Edward	Business Administration	Rosenhayn, N. J.
Jenkins, Annie	Business Education	Newark, N. J.
Jenkins, Thomas	Biology	Wilmington, Del.
Johnson, Lola	Home Economics Education	Wilmington, Del.
Johnson, Rayford	Elementary Education	Trenton, N. J.
Johnson, Ronald	History	Wilmington, Del.
Johnson, Stanley	Health and Physical Education	Norristown, Pa.
Johnson, Thomas	Elementary Education	Salem, N. C.
Johnson, Wilbur	History	Brooklyn, N. Y.
Jones, Alvah	Elementary Education	Willow Grove, Pa.
Jones, Brenda	Home Economics Education	Wilmington, Del.
Jones, Veronica	Elementary Education	Camden, N. J.
Kellam, Albert	Biology	Millsboro, Del.
Kelty, Darrel	History	Temple City, Cal.
Kennedy, James	Business Education	Coatesville, Pa.
Key, Oscar	Sociology	Elizabeth, N. J.
Land, John	Health and Physical Education	New York, N. Y.
Laster, Doris	Elementary Education	Belmar, N. J.
Lee, Martin	Elementary Education	Willow Grove, Pa.
Lewis, Geraldine	Business Education	Wilmington, Del.
Lingo, Betty	Business Education	Bridgeton, N. J.
Loper, Marie	Elementary Education	Lincoln, Del.
Lytle, Ivy	Chemistry	Birmingham, Ala.
Manus, Jo Anne	Elementary Education	Dover, Del.
Marshall, David	Business Administration	Wilmington, Del.
Marshall, Roland	Sociology	Wilmington, Del.
Marvell, Winfield	Mathematics	Middletown, Del.
Matthews, Joseph	Business Administration	Brooklyn, N. Y.
Matthews, Norman	Business Education	Seaford, Del.
May, Mary	Elementary Education	Felton, Del.
Maynard, Tina	Health and Physical Education	Newark, N. J.
McCray, Robert	Elementary Education	Frankford, Del.
Miles, Maynard	English	Wilmington, Del.
Miller, Nathaniel	Mathematics	Winston-Salem, N. C.
Miller, Sherman	Mathematics	Wilmington, Del.

FRESHMEN (continued)

Name	Major Field	City and State
Mitchell, Ida	Home Economics Education	Newark, N. J.
Montgomery, Mary	Business Education	Cambridge, Md.
Moore, William	Business Administration	Wilmington, Del.
Morris, Freddie	Elementary Education	Laurel, Del.
Morris, Theola	Elementary Education	Philadelphia, Pa.
Murchison, Eloise	Business Education	Philadelphia, Pa.
Newby, Vincent	History	Wilmington, Del.
Nicholas, Juanita	History	Felton, Del.
Parker, Elizabeth	Business Education	Wilmington, Del.
Parker, Wayne	Health and Physical Education	Woodbury, N. J.
Payton, Steve	Health and Physical Education	Memphis, Tenn.
Perry, William	Sociology	New York, N. Y.
Pierce, Earl	Sociology	Bridgeton, N. J.
Prettyman, John	Business Administration	Milton, Del.
Price, James	Sociology	Wilmington, Del.
Prince, Frances	Elementary Education	Atlantic City, N. J.
Pritchett, Forrest	Sociology	Atlantic City, N. J.
Pritchett, Josephine	Elementary Education	Millsboro, Delaware
Pritchett, Maurice	Business Education	Wilmington, Del.
Pritchett, Roberta	Business Education	Wilmington, Del.
Ragin, Angela	Health and Physical Education	Philadelphia, Pa.
Ridgeway, Don	Business Education	Wilmington, Del.
Roberts, Geraldine	Sociology	Wilmington, Del.
Robinson, William	History	Jersey City, N. J.
Ross, Godfrey	Sociology	Wilmington, Del.
Ross, Vibert	Agriculture	Brooklyn, N. Y.
Ruffin, Donald	Health and Physical Education	Washington, D. C.
Russ, Diana	Mathematics	Montclair, N. J.
Sammmons, Ferne	Elementary Education	Lewes, Del.
Samuels, Robert	Business Administration	Wilmington, Del.
Satterthwaite, Elaine	Elementary Education	Marydel, Md.
Saunders, Charles	Health and Physical Education	Mizpah, N. J.
Sauls, Rosa	Business Education	Milford, Del.
Scott, Eva	Business Education	Bridgeton, N. J.
Scott, Maggie	Elementary Education	Lincoln, Del.
Shands, William	Business Administration	Dinwiddie, Va.
Short, Mary	Elementary Education	Selbyville, Del.
Smith, Clauszell	Mathematics	Ridgeway, Va.
Smith, George	History	Dover, Del.
Smith, Howard	Health and Physical Education	Middletown, Del.
Smith, Janice	Elementary Education	Newark, N. J.
Smith, Missouri	Elementary Education	Salem, N. J.
Smith, Patricia	Elementary Education	Florence, N. J.
Smith, Raymond	Health and Physical Education	Boston, Mass.
Spady, Carey	Sociology	Cape Charles, Va.
Speaks, Nathaniel	Health and Physical Education	Frankford, Del.
Speas, David	Elementary Education	Pfafftown, N. C.
Spivey, Kirby	Health and Physical Education	Mizpah, N. J.
Spurlock, Robert	History	Wilmington, Del.
Starling, Jeanel	Elementary Education	Lincoln, Del.
Stillwell, Sandy	Health and Physical Education	Boston, Mass.
Stovall, Michael	Health and Physical Education	Washington, D. C.

FRESHMEN (continued)

Name	Major Field	City and State
Street, Percell	Music Education	Wilmington, Del.
Strong, Jimmie	Health and Physical Education	Atlanta, Ga.
Swiggett, Gloria	Home Economics Education	Smyrna, Del.
Tate, Phyllis	Music Education	Wilmington, Del.
Taylor, Edward	Health and Physical Education	Millsboro, Del.
Taylor, Jerome	History	Philadelphia, Pa.
Taylor, Rosa	Elementary Education	Bridgeville, Del.
Taylor, Wesley	Health and Physical Education	Boston, Mass.
Thomas, Donald	Business Education	Wilmington, Del.
Thompson, James	Business Administration	Wenonah, N. J.
Towns, Elijah	Business Administration	Chester, Pa.
Tunnell, Jo Anne	Elementary Education	Nassau, Del.
Tyler, Stevenson	Health and Physical Education	Stafford, Va.
Walker, Clarence	English	Atlantic City, N. J.
Walker, Dorothy	Elementary Education	Wilmington, Del.
Walker, Earl	Elementary Education	Middletown, Del.
Walker, Virginia	Elementary Education	Middletown, Del.
Ward, John	Business Administration	Wilmington, Del.
Waters, Bruce	Business Education	Dover, Del.
Waters, Effie	Sociology	Middletown, Del.
Watson, Dorris	Elementary Education	Camden, New Jersey
Webster, Thomas	Business Administration	Wilmington, Del.
West, James	Elementary Education	Laurel, Del.
West, Shirley	Elementary Education	Laurel, Del.
White, Albert	Health and Physical Education	New York, N. Y.
White, Lester	History	Camden, N. J.
Wilkerson, Betty	Mathematics	Wilmington, Del.
Williams, Albert	Elementary Education	Trenton, N. J.
Williams, Jo Ann	Elementary Education	North East, Md.
Wilson, James	Agriculture	Smyrna, Del.
Wilson, John	Biology	Dover, Del.
Wilson, William	Sociology	Philadelphia, Pa.
Winston, Robert	Business Administration	Dover, Del.
Woolford, Sylvester	Business Administration	New Castle, Del.
Wright, Donald	Health and Physical Education	Boston, Mass.
Wright, Gordon	Business Administration	Roosevelt, N. Y.
Wright, Sherid	Elementary Education	Wilmington, Del.
Wylie, Samuel	Elementary Education	Milford, Del.
Yatron, Georgine	English	Dover, Del.
Young, Eva	Elementary Education	Lincoln, Del.
Young, Howard	Sociology	Middletown, Del.

SPECIAL STUDENTS

Name	Major Field	City and State
Blakey, Donald		Dover, Del.
Braithwaite, Samuel		Dover, Del.
Burns, Robert		Dover, Del.
Cannon, Bradley		Dover, Del.
Carmichael, Wayne		Dover, Del.
Cress, Darrell		Dover, Del.
Crumb, Charles	English	Dover, Del.
DeLorenzo, Felix		Dover, Del.
Dennis, Virginia		Dover, Del.

SPECIAL STUDENTS (continued)

Name	Major Field	City and State
Deno, Joseph	Psychology	Dover, Del.
DiRenzo, Guy		Dover, Del.
Edmunds, Robert		Dover, Del.
Engel, Charles	Psychology	Dover, Del.
Frier, Robert	Sociology	Dover, Del.
Gamberg, David		Dover, Del.
Gilmore, Kenneth	Psychology	Dover, Del.
Hazelton, Anne	Elementary Education	Dover, Del.
Henbest, Ross		Dover, Del.
Hickok, Richard	Business Administration	Dover, Del.
Hoffman, Ronald	Biology	Harrington, Del.
Huffstetler, Jerry	History	Dover, Del.
Little, Aldrich	Elementary Education	Felton, Del.
Lyght, Thelma	Elementary Education	Wilmington, Del.
McNulty, Christine		Asheville, N. C.
Rue, Albert	Health and Physical Education	Boston, Mass.
Satterfield, Ralph		Frederica, Del.
Smith, Robert		Magnolia, Del.
Snell, Richard		Dover, Del.
Taylor, Edwin		Dover, Del.
Utterback, Forrest		Dover, Del.
Van Sparrentak, Norman	Business Administration	Frederica, Del.
Vincent, Jacqueline	Home Economics	Dover, Del.
Williams, Verna		Dover, Del.
Wood, Donald	Mathematics	Dover, Del.

UNCLASSIFIED STUDENTS

Davis, Bruce	English	Clinton, Md.
Golden, Edward	Biology	Wilmington, Del.
Reckling, Ralph	Biology	Baltimore, Md.

EVENING STUDENTS

Appleby, Harrison		Dover, Del.
Dusenbury, Paul		Dover, Del.
Everhart, Nelson		Smyrna, Del.
Ludwig, Michael		Milford, Del.
Moore, Samuel		Dover, Del.

