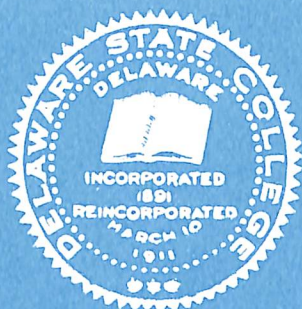


DELAWARE STATE COLLEGE

DOVER, DELAWARE



Catalogue 1962-1963

With Announcement for the
Seventy-Second Session 1963-1964

DELAWARE STATE COLLEGE

CATALOGUE

A Record of 1962-1963

Announcements for the Year Beginning
September 3, 1963 and Ending June 8, 1964

1963

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.

Telephone connections are

734-8271

Extension 20—Office of the President

Extension 23—Office of the Dean of the College

Extension 24—Office of the Registrar

Extension 25—Office of the Business Manager

Extension 41—Office of the Director of Admissions, Placement, and Testing

Extension 62—Library

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

Extension 64—Tubman Hall (Women's Dormitory)

Extension 84—Laws 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.

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ACADEMIC CALENDAR

1963-1964

September 3 (Tuesday)	Faculty Institute
September 4-6 (Wed., Thurs., Fri.)	Freshman Orientation
September 9, 10 (Monday, Tuesday)	Registration
September 11 (Wednesday)	Class Instruction Begins Late Registration Begins
September 13 (Friday)	Last Day of Late Registration and Program Changes
October 20 (Sunday)	Parents' Day
October 26 (Saturday)	Homecoming
November 4-6 (Mon., Tues., Wed.)	Mid-Semester Examinations
November 28-December 1	Thanksgiving Recess
December 2 (Monday)	Classes Begin at 8 A.M.
December 21-January 1	Christmas Recess
January 2 (Thursday)	Classes Begin at 8 A.M.
January 16-22 (Thurs., Fri., Mon., Tues., Wed.)	First Semester Examinations
January 29-31 (Wed., Thurs., Fri.)	Freshman Orientation
February 3, 4 (Mon., Tues.)	Registration
February 5 (Wednesday)	Class Instruction Begins Late Registration Begins
February 7 (Friday)	Last Day of Late Registration and Program Changes
February 9 (Sunday)	Founders' Day
March 7 (Saturday)	Career Conference
March 8-13 (Sunday through Friday)	Religious Emphasis Week
March 21-30	Spring Recess
March 31 (Tuesday)	Classes Begin at 8 A.M.
April 6-8 (Mon., Tues., Wed.)	Mid-Semester Examinations
April 4 (Saturday)	High School Day
May 2 (Saturday)	Sophomore-Senior Examinations
May 25-29 (Monday through Friday)	Senior Examinations
June 1-5 (Monday through Friday)	Second Semester Examinations
June 6 (Saturday)	Alumni Day
June 7 (Sunday)	Baccalaureate
June 8 (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 six hundred. The student body comes from various sections of the United States, South America, and Africa.

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:

High standards of scholastic achievement.

The type of inquiring mind which is capable of recognizing and solving life problems in a satisfying manner.

Wholesome philosophies of life—philosophies which lie within the framework of Christian ethics and democratic precepts.

Skills in communicating ideas through socially acceptable oral and written media.

Understanding and appreciation of our culture and its relationship to other cultures, both past and present.

Desire to serve—to serve in the home, the community, and the nation.

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
WILLIAM G. DIX	Bridgeville,	June, 1968
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.
President

B.Sc., Allen University; M.Sc., University of Michigan;
 Ph.D., New York University

ROMEO C. HENDERSON, Ed.D.
Dean of the College

A.B., Livingstone College; M.A., Cornell University;
 Ed.D., Pennsylvania State University

ELBERT L. HARRIS, Ph.D.
Director of Admissions, Placement, and Testing
 B.S., West Chester State Teachers College; M.A., Howard University;
 Ph.D., University of Pennsylvania

WILLIAM A. DANIEL, Ph.D.
Registrar
 A.B., Virginia Union University; A.M., Ph.D., University of Chicago

FREDERICK J. FRANKLIN, Ed.M.
Director of Student Personnel
 B.S., Ed.M., Boston University

ROBERT G. OLIVER, JR., B.S.
Business Manager
 B.S., South Carolina State College

LLOYD D. MAYFIELD, B.S.
Acting Head Librarian
 B.S., Prairie View College

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 R. PORTLOCK, B.S., *Secretary to the Faculty*

OFFICE OF THE BUSINESS MANAGER

CHARLIE ARNELL, B.S., *Assistant Business Manager*
 EARNESTINE HARVEY, *Secretary*
 LOLITA HOWELL, *Switchboard Operator*
 MINNIE H. HILL, B.S., *Bookkeeper*
 MARY L. LANE, B.S., *Bookkeeper*
 ROGER H. WILSON, B.S., *Bookkeeper*

OFFICE OF THE REGISTRAR

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

OFFICE OF STUDENT PERSONNEL AND DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

KATE PHARR, B.S., *Secretary*

LIBRARY

JESTINA T. HENDERSON, M.S.L.S., *Associate Librarian*
 MERCEDES B. BROWN, M.S.L.S., *Assistant Librarian*
 EMMA DAVIS, B.S., *Library Assistant*
 MAGGIE OLIVER, M.S., *Library Assistant*
 HELEN WALKER, *Library Assistant*
 CHRISTINE McNULTY, *Secretary*
 MAZIE H. CALDWELL, B.S., *Library Assistant*

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*
 M. ELIZABETH SMITH, *Assistant to the Superintendent of Buildings and Grounds*

DINING HALL

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

RESIDENCE HALLS

LAURIE F. JOHNSON, M.A., *Dean of Women*
 THERESA MASON, B.S., *Director of Women's Activities*
 CORA WARREN, B.S., *Director of Tubman Hall*
 CORNELL HARVELL, B.S., *Director of Men's Activities*
 EVA V. HOLDEN, *Assistant to Director of Conwell Hall*

FACULTY

PROFESSORS

M. MILFORD CALDWELL, PH.D.
Professor of Education
Director of Practice Teaching
 B.S., M.S., South Carolina State College; Ph.D., Ohio State University

THOMAS FERGUSON, JR., PH.D.
Professor of Biological Sciences
Head of the Department of Biology
 B.A., Fisk University; M.S., Ph.D., State University of Iowa

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

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 Ed.D., Pennsylvania State University

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 Ph.D., New York University

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Head of the Department of Sociology and Anthropology
 B.S., Iowa State University of Science and Technology
 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

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

*Part-time

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

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

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Head of the Department of Physical Sciences
 B.S., Delaware State College; M.S., Atlanta University

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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

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Acting Head of Department of Mathematics
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ARTHUR E. BRAGG, M.S.
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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.
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 B.S., Ed.M., Boston University

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 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

CHARLIE HARPER, M.S.

Assistant Professor of Physics

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

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

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

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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

ULYSSIS S. WASHINGTON, Ed.M.

Assistant Professor of Agricultural Engineering

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

JAMES H. WILLIAMS, M.A.

Assistant Professor of Health and Physical Education

Head of the Department and Director of Athletics

B.S., North Carolina College; M.A., University of Michigan

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

JOHN W. GARDNER, M.A.

Instructor in Department of Social Sciences

B.A., St. Francis College; M.A., George Washington University

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.

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EVA VAL MOORE, M.S.

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

MABLE R. MORRISON, M.M.

Instructor of Music

B.S., Xavier University; M.M., De-Paul University

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

REPPARD STONE, M.A.

Instructor of Music

Head of the Department of Music

B.S., Morgan State College; M.A., Western Reserve

MARGARET THORPE, M.S.

Instructor of Home Economics

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

VISITING LECTURERS

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

VIRGINIA M. DENNIS, M.A.
Lecturer in Department of Health and Physical Education
 B.S., Hampton Institute; M.A., New York University

BEATRICE L. HENRY, M.S.
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 1962-1963 academic year were selected from the following schools: Absalom Jones, Wilmington; Benjamin Banneker, Milford; Booker T. Washington, Dover; Dunleith Community, Wilmington; Paul L. Dunbar, Laurel; Samuel G. Elbert, Wilmington; Star Hill, Camden; Howard High, Wilmington; Louis L. Redding High, Middletown; William Henry High, Dover; William C. Jason High, Georgetown; and Wilmington High, Wilmington.

FACULTY COMMITTEES FOR THE 1962-63 ACADEMIC YEAR

ADMINISTRATIVE COUNCIL

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

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>	
MR. R. STONE	MRS. L. FRANKLIN

ATHLETIC COMMITTEE

MR. J. PRICE— <i>Chairman</i>	
MR. J. WILLIAMS	MR. E. TALBERT
MISS H. WILLIAMS	MRS. L. FRANKLIN
DR. M. BAKER	MR. E. LEVANT
DR. E. HARRIS	MR. R. OLIVER
MR. U. WASHINGTON	MR. M. HAIRSTON— <i>Student</i>

CURRICULUM COMMITTEE

DR. R. C. HENDERSON— <i>Chairman</i>	
DR. M. THOMASSON	MR. R. STONE
MISS H. WILLIAMS	DR. J. BARRINGER
DR. W. WYNDER	DR. T. FERGUSON
MRS. E. MOORE	MR. A. BRAGG
DR. H. WEAVER	MR. J. PRICE
MR. J. WILLIAMS	MR. L. MAYFIELD

FACULTY EXECUTIVE COMMITTEE

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

FACULTY RESEARCH COMMITTEE

DR. M. CALDWELL— <i>Chairman</i>	
MR. A. BRAGG	MR. L. MAYFIELD
MR. R. MOORE	MR. J. HOWELL

FACULTY COUNCIL

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

FACULTY—STAFF WELFARE COMMITTEE

MR. R. WALKER— <i>Chairman</i>	
MR. E. TALBERT	MR. U. WASHINGTON
MRS. A. PRATHER	MISS M. THORPE

LIBRARY COMMITTEE

MR. L. MAYFIELD— <i>Chairman</i>	
MRS. J. HENDERSON	MRS. M. BROWN
MRS. M. CHRISTOPHE	MRS. L. FRANKLIN
MISS A. EATON	DR. J. BARRINGER
	MR. J. FRANCE— <i>Student</i>

LYCEUM COMMITTEE

DR. H. PRATHER— <i>Chairman</i>	
MISS M. MORRISON	MR. J. GARDNER
DR. G. ADREAN	MR. J. MCCOLLOUGH

SCHOLARSHIP COMMITTEE

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

STUDENT PERSONNEL COMMITTEE

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

Lydia P. Laws Hall. This residence houses junior and senior women. Completed in 1963, it has a living capacity for 100 female students with an attractive and spacious lounge with patio; a recreational room; a completely equipped beauty parlor; a smaller lounge; a study room and utility room on each floor; a modern furnished kitchen; and a laundry room with washers and dryers.

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

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

How to Reach the College

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 Activities

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.

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 and stage craft.

The Social Science Club presents various lectures 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, discussions, lectures, and forums for 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 inter-collegiate basis.

Greek Letter Organizations

There are seven Greek-letter organizations 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 Coordinator of Religious Activities. 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 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

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

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.

Intramural athletics are designed to serve the needs of all students who wish to participate.

FEES AND FINANCIAL AID

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 Activity Fee	30.00
Room and Board	470.00
Library Fee	5.00
Late Registration Fee (per day)	5.00
Transcript	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

Laboratory Fees

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

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	5.00
Home Economics 308	3.00
Home Economics 312	8.00
Home Economics 402	5.00

Physics	5.00
Typing	5.00

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

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

Schedule of Payment of Fees

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		Total Per Yr.
	First Pay- ment	Second Pay- ment	First Pay- ment	Second Pay- ment	
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		Total Per Yr.
	9/9/63	11/1/63	2/3/64	3/19/64	
*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

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.

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

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.

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

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 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.

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 which must 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 which makes more substantial loans available to eligible students.

ADMISSIONS

Students seeking admission to the freshman class or to advanced standing should apply either in person or by mail to the Director of Admissions, Placement, and Testing, Delaware State College, Dover, Delaware. All students who are admitted are subject to the rules and regulations of the College.

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. Students may be admitted by:

1. 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. Satisfactory passing a battery of examinations administered by the College or the College Entrance Examination Board.
3. Submitting an official transcript as evidence of successful completion of courses taken in other institutions.
4. Qualifying as a special adult student.
5. 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. Official transcript and statement of honorable dismissal for each college attended. (Transfer applicants only).
5. Photoprint of Separation Record, showing training and service schools completed. (Veterans only).

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.

*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.

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 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 admitted 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

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 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 their courses.

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.

Transcript 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

Assemblies

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.

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 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.

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.

Attendance

All students are expected to attend punctually every scheduled meeting of each 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 twelve 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 whose grade point average is between 3.25 and 3.50 may be graduated with honors; whose average is between 3.50 and 3.75, with high honors; whose average is 3.75 or above, with highest honors.

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 grade of C in each course of his field of specialization.
2. Of the total of one hundred and twenty-one semester hours, fifty-six of General Education are required; 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, Principles of Economics, American Government, History of the United States, or Introduction to Sociology.
3. 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.
4. A student may select a certain number of electives in accordance with his interests and professional purposes. He should do this in conference with his advisor.
5. Two full years of physical education are generally required.
6. 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.
7. 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	8
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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

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

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, 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.

CURRICULUM ORGANIZATION

The curriculum of the College consists of twelve departments, ten in the Arts and Sciences, one in Agriculture, and one in Home Economics. The departments in the Arts and Sciences are Biology, Economics and Business Administration, Education and Psychology, Health and Physical Education, History and Political Science, Literature and Languages, Mathematics, Music Education, Physical Sciences, and Sociology and Anthropology.

In the numbering of courses in the curriculum, 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.

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
Mathematics 101	3	Mathematics 102	3
		Biology 102	4
	15		17

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
Chemistry 101	4	Physical Education 202	1
Physical Education 201	1	German 102 or	
German 101 or		French 102	3
French 101	3	Chemistry 102	4
Biology 201	4	Biology 202	4
	16		16

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 303	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	8
Education 405	3	Psychology 402	3
Education 411	1	Biology 401	4
Biology 305	4		
Biology 401	4		
	15		15

101. GENERAL ZOOLOGY. An introduction to the study of animal life with emphasis upon basic concepts and a phylogenetic survey of the animal kingdom. Morphology, physiology, and life history are included in the survey. Some attention is given to the relationship of the animal to its environment. Two lectures and two laboratory periods a week. Credit, four hours.

102. GENERAL BOTANY. An introduction to the study of plant life stressing basic concepts, the biology and seed plants, and a brief phylogenetic survey of the plant kingdom. Two lectures and two laboratory periods a week. Credit, four hours.

201. COMPARATIVE VERTEBRATE ANATOMY. A comparative study of the vertebrate groups with emphasis upon structure, development, and evolution of the organs and organ systems. 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. Gross structure of the organs and organ system of man. Two lectures and two laboratory periods a week. Prerequisite: Biology 101. Credit, four hours.

204. HUMAN PHYSIOLOGY. Elementary principles of physiology with emphasis upon the function of the human organs and organ systems. Two lectures and two laboratory periods a week. Prerequisite: Biology 101. Credit, four hours.

303. GENETICS. A study of the fundamental principles 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 vertebrate tissues and organs including laboratory practice in the preparation of histological slides. Prerequisites: Biology 201 and 204. 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: Biology 101. Credit, four hours.

401. EMBRYOLOGY. A study of embryonic development of the frog, chick, pig, and man. 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		
	17		17

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	Electives	3
	17		17

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	3	Electives	6
	14		16

Senior Year

First Semester	Hours	Second Semester	Hours
Economics 411	3	Economics 418	3
Economics 421	3	Economics 414	3
Electives	9	Electives	9
	15		15

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 economic 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. Prerequisites: Economics 201 and Economics 202. 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. Prerequisite: Economics 201. Credit, three hours.

418. **BUSINESS CYCLE.** 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. Prerequisite: Economics 201. 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. Prerequisites: Economics 201 and Economics 202. 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		
	17		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
		History 104	1
	17		18

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		
	17		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		
	15		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		
	17		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
		History 104	1
	17		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		
	17		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
	15		15

BUSINESS EDUCATION (Teaching Curriculum in Business)**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	3e	Secretarial Science 104	3
Physical Education 201	1	Physical Education 202	1
Mathematics 101	3	Business 108	3
Business 211	3	Mathematics 102	3
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	8
Business 301	3	Business 328	3
Business 327	3	Secretarial Science 402	3
Secretarial Science 401	3		
Electives	3		
Education 411	1		
	16		14

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. Prerequisite for Business 206 is Business 205. 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. Prerequisites for Business 305 are Business 205 and Business 206. Prerequisites for Business 306 are Business 205, Business 206 and Business 305. 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. Prerequisite: Business 108 or permission from the instructor. 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. Prerequisite: Business 327. 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. Prerequisite: Business 401 or permission from the instructor. Credit, three hours.

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
Electives	3	Electives	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. Prerequisite for Secretarial Science 102 is Secretarial Science 101. Credit, four hours.

103-104. **STENOGRAPHY I AND II.** An elementary course including theory underlying stenographic recording and building of a vocabulary. Prerequisite for Secretarial Science 104 is Secretarial Science 103. 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. Prerequisites for Secretarial Science 201 are Secretarial Science 101 and 102. Prerequisites for Secretarial Science 202 are Secretarial Science 101, 102, and 201. 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. Prerequisites for Secretarial Science 203 are Secretarial Science 103 and 104. Prerequisites for Secretarial Science 204 are Secretarial Science 103, 104, and 203. 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. Prerequisite: All stenography courses or permission from the instructor. Credit, three hours.

402. **SECRETARIAL PRACTICE.** A course combining practice with instruction in the routine operations which confront the secretary in an office. Prerequisite: All stenography and typewriting courses or permission from the instructor. 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 prepares them for advanced studies in graduate schools.

Fields of study in this Department are Art and Elementary Education. Courses in Education and Psychology are also offered for those who are making preparation to teach in secondary schools.

Required Courses in Education and Psychology for preservice teaching in secondary schools are the following:

First Semester	Hours	Second Semester	Hours
Psychology 201	3	Psychology 204	3
Psychology 305	3	Education 204	3
Education 312	3	Psychology 302	3
Education 403	3	Education 412	8
Education 405	3		
Education 411	1		
	16		17

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	4
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	8
Electives	3	Science 302	1
Education 305	3	Health Education 308	3
Audio-visual 312	3		
Science 301	1		
	16		15

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 Chemistry 101 ..	4	Biology 102 or Chemistry 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		
	15		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, PAINTINGS, 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 applications of low fired and high fired glazes; placing and firing the kilns. Credit, three hours.

304. LETTERING. This is an elementary course, designed mainly for elementary teachers but without prerequisites. It consists of lettering with various pens, paints and crayons, layout, cards, book pages, simple booklets, and posters. The historic development in writing and lettering from ancient to modern times will also be stressed. Emphasis will be placed upon modern styles of lettering. Credit, two hours.

305. POSTER MAKING. This course is designed mainly for elementary and high school teachers and people who are interested in commercial art. The development of the poster as a means of visual aid in the classroom and as a medium of advertising in industry is studied. This course offers the student the opportunity to develop creative ability and work in several media: constituents of a good poster in representing ideas, practice in lettering on posters, lessons in paper cutting, and free brush work on posters. Credit, two hours.

306. INTERIOR DESIGN. This course is designed to study the problems of furnishing and decorating the home with emphasis on the artistic and practical ways and experiences for improving it. There will be exercises in color harmonies and color theory. Traditional and contemporary period styles in furniture are taught. 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. Prerequisites: Education 204 and Psychology 204. 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. Prerequisites: Education 204 and Psychology 204. 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. Prerequisites: Education 204 and Psychology 204. Credit, three hours.

304. 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.

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. Prerequisites: Education 204 and Psychology 204. 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, adult and out of school groups. Texts, references, tests, and teaching aids 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 the guidance of instructors. Prospective leaders and teachers 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 primary and grammar grades. This course is designed for teachers of elementary education. Prerequisites: Education 204 and Psychology 204. 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. Prerequisites: Education 204, Psychology 204. 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. Prerequisites: Education 204 and Psychology 204. 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 at the elementary school level for a period of eight weeks. Prerequisites: All other courses in Education and Psychology. Credit, eight 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. Prerequisites: Education 204 and Psychology 204. 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 secondary school. 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 student teaching. Credit, eight hours.

413. TECHNIQUES AND PRINCIPLES OF TEACHING IN THE ELEMENTARY SCHOOL. This course gives special attention to nature of the teacher-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. Prerequisites: Junior courses in methods. 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 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 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 techniques. 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 four 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; one for those interested in Recreation as a vocation; and one in Health Education and its related areas.

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	English 102	3
English 101	3	Mathematics 102	3
History 101	3	History 102	3
Biology 101	4	Biology 102	4
Mathematics 101	3	Health Education 102	1
Physical Education 101m	1	Physical Education 102m	1
	15		16

Sophomore Year

First Semester	Hours	Second Semester	Hours
English 200	2	Humanities 202	4
Humanities 201	4	Biology 204	4
Psychology 201	3	Education 204	3
Physical Education 201m	1	Physical Education 202m	1
Biology 203	4	History 104	1
Philosophy 201	3	Philosophy 202	3
or		or	
Music 101	2	Art Education 102	2
		or	
		Art Education 201	2
	16 or 17		16 or 17

Junior Year

First Semester	Hours	Second Semester	Hours
Home Economics 301	3	Health Education 308	3
Physical Education 309	2	Psychology 204	3
Physical Education 301	1	Physical Education 302	1
Physical Education 303	3	Physical Education 310	3
Physical Education 315	1	Physical Education 312	3
Sociology 201	3	Physical Education 304	3
Physical Education 311	1	Physical Education 205	1
Physical Education 307	3		
	17		17

Senior Year

First Semester	Hours	Second Semester	Hours
Education 405	3	Education 412	8
Education 411	1	Health Education 412	2
Physical Education 401	1	Health Education 404	2
Physical Education 403	3	Physical Education 404	1
Physical Education 405	3	Physical Education 406	1
Physical Education 409	3	Physical Education 416	1
Electives	2		
	16		15

CURRICULUM FOR MEDICALLY ALLIED FIELDS

Freshman Year

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

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 101	4	Biology 102	4
Humanities 201	4	Humanities 202	4
Psychology 201	3	German 102	3
Physical Education 201	1	English 200	2
German 101	3	Physical Education 202	1
Sociology 201	3	Electives	2
or			
Economics 201	3		
	18		16

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
Home Economics 301	3	Physics 202	5
Physics 201	5	German 202	3
German 201	3	Health Education 308	3
Electives	2	Physical Education 312	3
	17		18

Senior Year

First Semester	Hours	Second Semester	Hours
Health Education 409	2	Health Education 404	2
Physical Education 405	3	Physical Education 310	3
Physics 305	3	Physical Education 411	3
Biology 305	4	Physical Education Electives	3
Electives	3	Electives	5
	<u>15</u>		<u>16</u>

CURRICULUM IN HEALTH EDUCATION**Freshman Year**

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

Sophomore Year

First Semester	Hours	First Semester	Hours
Biology 101	4	Humanities 202	4
Humanities 201	4	Education 204	3
Psychology 201	3	Physical Education 202	1
Physical Education 201	1	English 200	3
Sociology 201	3	Health Education 204	2
History 104	1	Psychology 204	3
	<u>16</u>	Health Education 216	2
			<u>17</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
Home Economics 301	3	Health Education 308	4
Philosophy 201	3	Philosophy 202	3
Health Education 305	3	Physical Education 310	3
Health Education 311	3	Health Education 314	3
	<u>16</u>		<u>16</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Education 405	3	Health Education 404	2
Education 411	1	Health Education 412	2
Sociology 401	3	Education 412	8
Physical Education 409	3	Education 312	3
Health Education 413	2	Electives	2
Health Education 415	2		
Electives	2		
	<u>16</u>		<u>17</u>

CURRICULUM FOR RECREATION**Freshman Year**

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

Sophomore Year

First Semester	Hours	Second Semester	Hours
Biology 203	4	Biology 204	4
Humanities 201	4	Humanities 202	4
Psychology 201	3	Psychology 204	3
Physical Education 201m	1	Physical Education 202m	1
Sociology 201	3	Sociology 202	3
Music 101	2	Physical Education 205	1
	<u>17</u>		<u>16</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Physical Education 311	1	History 104	1
Art Education 201	2	Physical Education 302	1
Physical Education 301	1	Physical Education 304	3
Physical Education 309	2	Physical Education 306	1
Physical Education 305	3	Art Education 102	2
Physical Education 307	3	English 200	2
Physical Education 315	1	Physical Education 312	3
Sociology 301	3	Electives	3
	<u>16</u>		<u>16</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Sociology 309	3	Physical Education 416	1
Physical Education 403	3	Physical Education 402	1
Physical Education 407	3	Health Education 404	2
Sociology 303	3	Physical Education 406	1
Sociology 401	3	Physical Education 310	3
	<u>15</u>	Electives in Art and Music	6
		Electives	2
			<u>16</u>

HEALTH EDUCATION

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

204. PRINCIPLES OF HEALTH EDUCATION. An introduction to the broad fields of health education. Emphasis on principles and practices of improving health behavior by school and community agencies. Credit, two hours.

216. PRINCIPLES OF COMMUNITY HEALTH. A study of scientific facts and desirable principles and practices for healthful living in the community. Coverage is given to historical and modern efforts to meet health needs in the community. Credit, two hours.

305. ORGANIZATION AND ADMINISTRATION OF HEALTH EDUCATION. Administrative responsibilities and procedures in organizing and conducting the school health program. Principles, policies and practices involving instruction, service, environment and community relationships. Credit, three 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.

311. MENTAL HYGIENE. Determinants of personality structure emphasizing psychogenic development of normal behavior; roles of home, school and community in prevention of maladjustment. Credit, three hours.

314. METHODS AND MATERIALS IN HEALTH EDUCATION. The construction of school health programs including objectives, scope and sequence of instruction, teaching methods, source materials, evaluation procedures and instructional units. 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.

412. 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.

413. PUBLIC HEALTH EDUCATION. Philosophy, development, organization and legal aspects of public health in the United States. Disease prevention and control, health education and the other functions and activities of official health departments, voluntary agencies and others engaged in professional health work. Credit, two hours.

415. ADVANCED PERSONAL HYGIENE. This course aims to further the development of the basic understanding needed for the sound application of scientific health instructional materials and principles. Emphasis is given to the broad scope, special skills and knowledge for health instruction. 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 the 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.

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.

205. INTERMEDIATE SWIMMING. Emphasis is placed on the development of the basic or standard leg and their corresponding arm strokes, endurance and versatility in the water. Credit, one hour.

301. PHYSICAL EDUCATION SKILLS. Individual and dual sports—Tennis, bandminton, mat work (tumbling). Credit, one hour.

302. GYMNASTICS—APPARATUS AND TUMBLING. These activities are considered in terms of proper sequence and grading for the school program. 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.

306. 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.

309. 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.

311. METHODS AND MATERIALS IN RHYTHMICAL ACTIVITIES. Emphasis placed upon folk and square, modern and social dances. Credit, one hour.

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

315M. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Basketball. Credit, one hour.

315W. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Women's Basketball. Credit, one hour.

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

401W. PHYSICAL EDUCATION SKILLS. Coaching and Officiating—Field Hockey. 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. Techniques in Soccer and Speedball. 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.

416. PHYSICAL EDUCATION SKILLS. Techniques in team and group sports that have application to the teaching of Physical Education in the elementary and secondary schools. Credit, one hour.

HISTORY AND POLITICAL SCIENCE

The objectives of the Department of History and Political Sciences are to provide service courses endorsed in the curriculum of general education; to prepare students who plan to teach history and social sciences on the secondary level; and to prepare students for graduate study in history and political science.

A major in history and political science consists of thirty semester hours and a minor of eighteen semester hours.

CURRICULUM IN HISTORY AND POLITICAL SCIENCE

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
	<u>15</u>		<u>15</u>

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 201	2	Physical Education 202	1
Elective	3	Government 202	3
	<u>16</u>		<u>15</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Foreign Language 201	3	Foreign Language	3
Psychology 201	3	History 302	3
History 301	3	Electives	9
Electives	6		
	<u>15</u>		<u>15</u>

Senior Year

First Semester	Hours	Second Semester	Hours
History 404	4	Electives	15
Electives	12		
	<u>16</u>		<u>15</u>

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.

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.

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.

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.

202. COMPARATIVE GOVERNMENT. A survey of the political systems of Britain, France, the United States, Russia, Germany, and a selected number of major powers of Asia. 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. Offered in alternate years. 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.** Prescribed for seniors in history. An introduction to historiography and methodology. Individual research problems in some field of special interest are conducted to develop an understanding, appreciation, and skills in the use of the literature in the field, and in the use of appropriate techniques in the solution of historical problems. Prerequisites: Senior standing in the department or consent of the department chairman. 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 English 201-202.

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

Two credits in Speech (200)

Eight credits in the Humanities (201-202)

Three credits in Advanced Composition (203)

Six credits in American Literature (306-307)

Eleven credits in electives

CURRICULUM IN ENGLISH

Freshman Year

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

Sophomore Year

First Semester	Hours	Second Semester	Hours
English 201	4	English 202	4
Foreign Language	3	Foreign Language	3
English 200	2	Physical Education 202	1
Physical Education 201	1	Electives	7
Electives	6		
	16		15

Junior Year

First Semester	Hours	Second Semester	Hours
English 301	3	English 302	3
English 306	3	English 307	3
Electives	10	Electives	10
	16		16

Senior Year

First Semester	Hours	Second Semester	Hours
English 402	3	English 403	3
Electives	12	Electives	9
	15		12

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. Humanities 201 is prerequisite to Humanities 202. 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 work 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 reading 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, Rosetti, 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. Continued oral practice. Prerequisites: Two 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 organ-

ize 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 provide opportunities for all students to develop 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
Chemistry 101	4	Chemistry 102	4
Education 101	1	English 102	3
English 101	3	Health 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
French 101 or		French 102 or	
German 101	3	German 102	3
Humanities 201	4	Humanities 202	4
Mathematics 201	3	Mathematics 202	3
Physics 201	5	Physics 202	5
Physical Education	1	Physical Education 202	1
	<u>16</u>	History 104	1
			<u>17</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 101	4	Biology 102	4
French 201 or		French 202 or	
German 201	3	German 202	3
Math Elective	3	Math Electives	6
Psychology 201	3	*Elective	3
*Elective	3		
	<u>16</u>		<u>16</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Social Science Elective	3	Math Elective	3
Math Electives	6		
English 200	2	*Electives	9 to 11
*Electives	3 to 7		
	<u>14 to 18</u>		<u>12 to 14</u>

*Persons desiring to receive certification should use electives for selecting courses for this purpose. Others should select courses in the sciences.

MATHEMATICS

101. INTRODUCTION TO MATHEMATICS. Designed to acquaint students with the nature of mathematics with special emphasis on the fundamentals of mathematics. Required of all students. Credit, three hours.

102. CONTINUATION OF MATHEMATICS 101. Required of all students, except those planning to continue in mathematics or the sciences.

104. PLANE ANALYTIC GEOMETRY. Designed for students wishing to continue study in mathematics and the sciences. Brief review of basic notions of Algebra and Trigonometry. An analytic treatment of the straight line and conic sections. Prerequisite: Mathematics 101. Credit, three hours.

201-202. CALCULUS. A treatment of notions of functions, limits derivatives, and integration with applications of differentiation and integration to physical and geometric problems. Prerequisite: Mathematics 104. Credit, six 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 104. Offered in even alternate years. Credit, three hours.

204. NON-EUCLIDEAN GEOMETRY. A treatment of Euclid's parallel postulate, nature of proof, characteristics of a mathematical system, Lobachevskian geometry, and Riemannian geometry. Prerequisite: Mathematics 104. Offered in odd alternate years. Credit, three hours.

301. DIFFERENTIAL EQUATIONS. Solutions 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 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; binominal, 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. Prerequisite: Mathematics 202. 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 music majors are required to study a major performing medium eight semesters and a minor performing medium four semesters. Students selecting a major performing medium other than piano are required to take piano as a minor performing medium.

Students selecting piano or voice as a major performing medium must participate in choir eight semesters and band two semesters. Students selecting an instrument as a major performing medium must participate in band eight semesters and choir two semesters.

Piano and vocal majors must study an instrument for two semesters, and instrumental majors must study voice for two semesters.

Music majors are required to attend departmental meetings, music seminars, lyceum features, and to participate in student recitals.

The following courses are required:

113, 114, 202, 213, 214, 215, 216, 302, 311, 312, 313, 314, 315, or 317, 321, 401, 403, 413, 414, 415, and 416.

MUSIC EDUCATION CURRICULUM

Freshman Year

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

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
Psychology 201	3	Education 204	3
Music Education 213	2	Music Education 214	2
Music Education 103	1	Music Education 104	1
Music Education 205	1	Music Education 206	1
Music Education 207 or 215M ..	1	Music Education 208 or 216M ..	1
Music Education 205 (Piano) ..	1	Music Education 206 (Piano) ..	1
	17		17

Junior Year

First Semester	Hours	Second Semester	Hours
Mathematics 101	3	Mathematics 102	3
Foreign Language 201	3	Foreign Language 202	3
History 201	3	Psychology 204	3
English 200	2	History 104	1
Music Education 310 or	2	Music Education 202	3
Music Education 321	2	Music Education 312	1
Music Education 105	1	Music Education 106	1
Music Education 305	1	Music Education 306	1
Music Education 307 or 315 ..	1	Music Education 308 or 316 ..	1
	18	Music Education 314	1
			18

Senior Year

First Semester	Hours	Second Semester	Hours
Education 411	1	Education 412	8
Music Education 303	3	Music Education 304	3
Music Education 405	1	Music Education 410 or	3
Music Education 407 & 408 ..	2	Music Education 406	1
Music Education 401	1	Music Education 408 & 416 ..	2
Music Education 403	1		
Music Education 302	3		17
Music Education 311	1		
Music Education 313	1		
Education 403	3		
	17		

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.

102-104. 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). Instrumental and vocal instruction 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.

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.

113. **BASIC THEORY.** A course in the fundamentals of music; notation, terminology, voice classification, and a study of the elements of music; scale, rhythm, and tempo. This class meets three times weekly. Credit, two hours.

114. **ELEMENTARY THEORY.** Chord structure, inversion, dominant seventh, dominant ninth, and the use of the primary and secondary chords in all forms. The class meets three times weekly. 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. **INTERMEDIATE THEORY.** The use of non-harmonic tones, borrowed tones, the augmented sixth chords, enharmonic embellishments, chromatic progression of seventh chords, and advanced modulation. The class meets three times weekly. Credit, two hours.

214. **ADVANCED THEORY.** A course in harmonization, modulation,

improvisation, and transposition at the keyboard. The class meets three times weekly. 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.

317. **CONDUCTING.** The techniques of conducting choral organizations. Instruction, demonstration, and practice. Credit, two hours.

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.

413. **ARRANGING.** A study in the fundamentals of writing for the various band instruments. Problems of transposition, voicing, registration and blend with reference to the needs of the public school ensemble. Credit, two 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
	<u>15</u>		<u>16</u>

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	Electives	3
	<u>18</u>		<u>18</u>

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		Electives	3
Government 201, History 201 or Sociology 201	3		<u>19</u>
	<u>19</u>		

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	7	Electives	8
	<u>16</u>		<u>16</u>

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 102 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.

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.

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; Mathematics 201-202; Physics 201-202. Credit, eight hours.

GENERAL SCIENCE

101-102. **PHYSICAL SCIENCE SURVEY.** A course designed to give the student some insight into the fundamental principles of astronomy, chemistry, geology, and physics; and to enable him to appreciate practical applications of these principles. The course is cultural rather than technical and embodies some of the facts that every cultured person should have at his command. Two lectures and one laboratory period per week. Credit, six hours.

PHYSICS

Minor: 22 semester hours in Physics distributed as follows: Physics 201-202, 301-302, and 303-304.

201-202. **GENERAL PHYSICS.** An elementary treatment of mechanics, heat, wave motion and sound, light, electricity and magnetism, and nuclear reactions. The problem method is largely used. Two lectures, one recitation, and two laboratory periods per week. Prerequisites: Mathematics 101 and 104. Credit, ten hours.

203. **HOUSEHOLD PHYSICS.** The application of the principles of physics to household devices with special emphasis on modern techniques. Radiation damage and fall-out shelters are also discussed. Intended primarily for students of home economics. Two lectures and one laboratory period per week. Prerequisite: Mathematics 101-102. Credit, three hours.

204. **ASTRONOMY.** An elementary treatment of planetary motion, spectroscopy of stars, celestial mechanics, the dynamics of galaxies, cosmology, and astrophysics. Three lectures and one laboratory period per week. Prerequisite: Physics 201-202. Credit, four hours.

301-302. **PHYSICAL MECHANICS.** An intermediate course covering the mechanics of fluids, a particle and systems of particles, rigid bodies, constrained motion and oscillations. An introduction to generalized coordinates and Lagrange's Equations, Hamilton's Principle and Canonical Equations, Relativistic and wave mechanics is also considered. The vector method is emphasized. Three lectures and demonstrations per week. Prerequisites: Mathematics 201-202; Physics 201-202. Credit, six hours.

303-304. **ATOMIC PHYSICS.** A course covering the structure of matter, quantum structure of light, relativity, x-rays, wave nature of matter, solid state, and nuclear structure. Two lectures and one laboratory period per week. Prerequisites: Mathematics 201-202; Physics 201-202. Credit, six hours.

305. **HEAT AND THERMODYNAMICS.** An intermediate course on the thermal phenomena involving gases and solids. The topics included are thermometry, calorimetry, specific heat, expansion, heat transfer, intro-

ductory kinetic theory, laws of thermodynamics and applications. Three lectures and demonstrations per week. Prerequisites: Mathematics 201-202; Physics 201-202. Credit, three hours.

306. **PHYSICAL OPTICS.** An intermediate course in the fundamentals of physical optics. Topics included are theories of light, measurement of the speed of light, reflection, refraction, interference, diffraction, scattering, polarization and crystal optics, optical instruments, and spectroscopy. Two lectures and one laboratory period per week. Prerequisites: Mathematics 201-202; Physics 201-202. Credit, three hours.

307. **SOUND AND VIBRATION.** An intermediate course on the fundamentals of periodic phenomena; wave motion in solid, liquid and gaseous media; and introductory acoustics. Two lectures and one laboratory period per week. Prerequisites: Mathematics 301; Physics 201-202. Credit, three hours.

401-402. **THEORY OF ELECTRICITY AND MAGNETISM.** An intermediate course on the theory of electricity and magnetism. Topics included are electrostatics, electrodynamics, current and alternating-current circuits, electromagnetic induction, dielectric theory, direct-magnetic properties of matter, and Maxwell's Equations. The vector method is used. Three lectures and one laboratory period per week. Prerequisites: Mathematics 201-202; Physics 201-202; Physics 303-304. Credit, eight hours.

404. **MATHEMATICAL METHODS OF PHYSICS.** An intermediate course covering physical dimensions and fundamental units, potential theory, vectors, dyadics, matrices, tensors, hydrodynamics, electromagnetic radiation, and boundary value problems in general. Three lectures per week. Prerequisites: Mathematics 301; Physics 201-202; Physics 301-302. Credit, three hours.

405-406. **ELECTRONIC PHYSICS.** An intermediate course in applied electronics. One lecture and two laboratory periods per week. Prerequisites: Mathematics 301; Physics 201-202; Physics 303-304; and Physics 401-402 to be taken concurrently. Credit, six hours.

408. **THEORETICAL AND EXPERIMENTAL RESEARCH.** A seminar course for senior physics majors covering selected topics on an intermediate level. Credit, two hours.

SOCIOLOGY AND ANTHROPOLOGY

The department offers a major concentration in sociology which introduces the student to the scientific study of society, provides a foundation for advanced study in graduate school or in the professional school of social work, and serves as a core for a program in liberal education. The department also provides service courses for election by students who major in other areas.

A major in sociology requires twenty-seven hours, including Sociology 201, 202, 303, 401, 405, 406, and 408.

CURRICULUM IN SOCIOLOGY

Freshman Year

First Semester	Hours	Second Semester	Hours
English 101	3	English 102	3
Natural Science	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 102	2
	<u>15</u>		<u>16</u>

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities	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 200	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		
Electives	3		
	<u>15</u>		<u>15</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Sociology 401	3	Sociology 408	3
Sociology 405	3	Sociology 406	3
Electives	9	Electives	9
	<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. 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. Prerequisite: Sociology 201. 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. Prerequisites: Sociology 201 and 202. Credit, three hours.

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

303. SOCIAL PSYCHOLOGY. The development of the individual through interpersonal relations and interaction with culture. Prerequisite: Sociology 201. Credit, three hours.

305. URBAN SOCIOLOGY. The ecological structure, social processes, organization, and problems of the urban community. Recent urban trends. Prerequisite: Sociology 201. Credit, three hours.

308. CRIMINOLOGY. The nature and extent of crime in the United States; theories of crime; problems of rehabilitation. Prerequisite: Sociology 201 and 202. 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. Prerequisite: Sociology 201. Credit, three hours.

401. THE FAMILY. Historical evolution of the family; family structures and functions; current changes and problems. Prerequisites: Sociology 201 and senior standing. Credit, three hours.

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

405-406. THE FIELD OF SOCIAL WORK. A systematic presentation of the major areas with an introduction to their general problems and techniques. Prerequisites: Sociology 201 and senior standing. Credit, three hours each semester.

408. SOCIOLOGICAL THEORIES. Description and critical study of the more important sociological theories of the nineteenth and twentieth centuries. Prerequisites: Sociology 201 and senior standing. Credit, three hours.

AGRICULTURE

The Department of Agriculture offers both professional courses set up to prepare students for educational service and also 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.

Freshman Year

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

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
English 200	2	Philosophy 202	3
Philosophy 201	3	Biology 202	4
Psychology 201	3	Chemistry 104	4
Chemistry 103	4	Physical Education 202	1
Physical Education 201	1		
	<u>17</u>		<u>16</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Biology 303	4	English 204	3
Biology 305	4	Agriculture 206	3
Economics 307	3	Agriculture 208	3
English 203	3	Agriculture 210	3
Agriculture 301	3	Agriculture 302	3
		History 104	1
	<u>17</u>		<u>16</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Biology 307	4	Agriculture 307	3
Agriculture 304	3	Agriculture 308	3
Agriculture 313	3	Agriculture 309	3
Agriculture 317	3	Agriculture 414	3
Agriculture 409	3	Agriculture 416	3
	<u>16</u>		<u>15</u>

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.

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. 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.

210. LANDSCAPING. 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.

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. 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.

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.

307. 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.

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

309. 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.

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, three 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.

315. 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.

316. 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.

317. 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.

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.

405. 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.

409. PRINCIPLES OF DAIRY TECHNOLOGY. A general survey course of study 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.

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. 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.

CURRICULUM IN AGRICULTURAL EDUCATION

Freshman Year

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

Sophomore Year

First Semester	Hours	Second Semester	Hours
Humanities 201	4	Humanities 202	4
English 200	2	Chemistry 104	4
Philosophy 201	3	Agriculture 206	3
Psychology 201	3	Agriculture 208	3
Chemistry 103	4	Agriculture 210	3
Physical Education 201	1	Physical Education 202	1
	<u>17</u>		<u>18</u>

Junior Year

First Semester	Hours	Second Semester	Hours
Agriculture 301	3	History 104	1
Agriculture 304	3	Sociology 302	3
Agriculture 311	3	Agriculture 302	3
Agriculture 313	3	Agriculture 309	3
Agriculture 315	2	Agriculture 308	3
Agriculture 317	3	Agriculture 307	3
	<u>17</u>	Agriculture 316	2
			<u>18</u>

Senior Year

First Semester	Hours	Second Semester	Hours
Education 405	3	Education 412	8
Education 407	3	Education 416	3
Education 411	1	Agriculture 414	3
Education 415	3	Agriculture 416	2
Agriculture 405	3		
Agriculture 409	3		
	<u>16</u>		<u>16</u>

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 is given.

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

CURRICULUM IN HOME ECONOMICS EDUCATION**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
History 101	3	History 102	3
Humanities 201	4	Humanities 201	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
Home Economics 301	3	Home Economics 302	3
Home Economics 303	3	Home Economics 304	3
Home Economics 309	3	Home Economics 314	3
Psychology 305	3	Home Economics 316	3
Sociology 201	3	Education 306	3
History 104	1	Art 102	2
	16		17

Senior Year

First Semester	Hours	Second Semester	Hours
Education 307	3	Home Economics 406	6
English 200	2	Education 412H	8
Music 101	2		
Art 201	2		14
Biology 305	4		
Home Economics 405	3		
	16		

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 106	3
Home Economics 101	3	Physical Education 102	1
Health Education 101	2	History 104	1
Physical Education 101	1	Art 102	2
Physical Education 101	1	Physical Education 102	1
	18		17

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	3
Psychology 201	3	Psychology 204	3
Home Economics 203	3	English 200	2
Physical Education 201	1	Physical Education 202	1
	18		17

Junior Year

First Semester	Hours	Second Semester	Hours
Home Economics 301	3	Home Economics 308	3
Home Economics 309	3	Home Economics 318	3
Sociology 201	3	Home Economics 320	3
Business 205	3	Biology 204	4
Biology 305	4	Electives	3
Art 201	2		
	18		16

Senior Year

First Semester	Hours	Second Semester	Hours
Home Economics 303	3	Home Economics 204	3
Home Economics 401	3	Home Economics 404	6
Home Economics 403	3	Electives	3
Home Economics 407	3		
Home Economics 409	3		12
Music 101	2		
	17		

101. PERSONAL AND FAMILY RELATIONSHIPS. A study of personal problems and relationships including relationships with the opposite sex. A study of the functions of dating, courtship, the engagement period and basis for mate selection. Evaluation of personal, social, and economic life as they affect family and group living. Three lectures. Credit, three hours.

102. INTRODUCTORY FOODS. A study of the various types of foods found on the market and in common use today, their nutritional value and methods of cookery as they promote good nutrition. An analysis of the practicability of their use in today's diet. One lecture, two laboratory periods. Credit, three hours.

104. CLOTHING AND TEXTILES. The study of textiles including their identification, handling, and care with emphasis on the man-made fibers now used in designing and constructing clothing. A study of wardrobe planning, clothing selections, and the use of commercial patterns in

constructing a simple garment. 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. 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. Credit, three hours.

301. NUTRITION. A study of the processes by which food is absorbed and utilized by the body. Two lectures, one laboratory period. Credit, three hours.

302. 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.

303. MANAGEMENT IN RELATIONSHIP 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.

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; consumer's problems in selecting, purchasing, and furnishing a home. 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 AND DIETETICS. An application of the fundamental principles of nutrition to feeding individuals and families under varying physiological and social conditions. Two lectures, one laboratory period. Prerequisite: Home Economics 301. Credit, three hours.

309. 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. 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 furnishing, such as slip covers, draperies, and curtains. One lecture, two laboratory periods. 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. 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.

318. FOOD ANALYSIS. The chemical analysis of foods. One lecture, two laboratory periods. Prerequisites: Chemistry 103 and 104. Credit, three hours.

320. ADVANCED FOODS. Special emphasis on the development of skill and creativity 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. One lecture, two laboratory periods. Prerequisites: Home Economics 102 and 203. Credit three hours.

401. INSTITUTIONAL MANAGEMENT. A study of the methods of scientific organization and management of foods and housekeeping departments in institutions, including the purchase and care of equipment. Opportunity is given for practice in the various phases of management. Three lectures. Prerequisites: Home Economics 203, 301, 318, and 320. Credit, three hours.

403. DIET THERAPY. A study of dietary modifications necessary in the treatment of pathologic conditions. Preparation of specific diets for certain diseases and nutritional disorders. Credit, three hours.

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

405. 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. Prerequisite: Home Economics 204 or consent of Instructor. One lecture, two laboratory periods. Credit, three hours.

406. 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. Prerequisites: Home Economics 203, 301, 303. Credit, six hours.

407. EXPERIMENTAL COOKERY. Influence of section 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. Credit, three hours.

409. 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.

Education 412M. PRE-SERVICE TRAINING IN THE SECONDARY SCHOOLS. This course provides experience in observing and participating in responsible practice teaching in the field of Home Economics. Credit, eight hours.

STUDENT ROSTER

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Name	Major Field
Brashears, Lewis	Sociology
Carroll, Franceania	Sociology
George, Joyce	Sociology
Hickson, Charlestine	Sociology
Jenkins, Samuel	Sociology
Johnson, Mabel	Sociology
McCoy, Shirley	Sociology
Miller, Clark	History
Mosley, Drucilla	Sociology
Palmer, Jeannette	Sociology
Peters, Herbert	Sociology
Pitts, Shirley	Sociology
Raison, Betty	Sociology
Spencer, Frances	English
Summers, Gwendolyn	Sociology
Turner, Sarah	English
Vaughan, Geneva	Sociology

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

Name	Major Field
Arnold, Richard	Mathematics
Atkinson, Yvonne	Elementary Education
Baxter, Ulysses	Elementary Education
Blakey, Noel	Business Education
Blockson, Jo Anne	Business Education
Brunson, Freddie	Health and Physical Education
Brunswick, Anthony	Mathematics
Clifton, Patricia	Home Economics Education
Coleman, Norwood	Music Education
Collins, John	Biology
Cooper, Dorothy	Elementary Education
Davis, Robert	Business Administration
Dixon, Lloyd	Chemistry
Dozier, Burrell	Elementary Education
Driggus, Anne	Elementary Education
Elzy, Sonja	Elementary Education
Fortune, Robley	Elementary Education
Hairston, Major	Elementary Education
Hall, Sallie	Business Education
Harmon, Barry	Mathematics
Haskins, Peggy	Elementary Education
Hayward, Homer P.	Chemistry

Candidates for the Bachelor of Science Degree Continued

Name	Major Field
Heath, Emmajean	Business Education
Henry, Clarence	Elementary Education
Hill, William	Biology
Holland, Evelyn	Business Education
Hopson, Ronald	Elementary Education
Hyland, Doris	Elementary Education
Johnson, James	Biology
Johnson, Vera	Biology
Johnson, William	Agricultural Education
Joines, Gwendolyn	Elementary Education
King, Roger	Health and Physical Education
McSears, Jack	Business Administration
Meyers, Benjamin	Biology
Moody, Cynthia	Business Education
Napier, Walter	Chemistry
Newby, Doris	Elementary Education
Nixon, Robert	Health and Physical Education
Oliver, Eula	Elementary Education
Parrott, Suzanne	Elementary Education
Pearson, William	Business Administration
Penny, Walter	Health and Physical Education
Price, Dorothy	Elementary Education
Raphael, Jesse	Elementary Education
Sizemore, John	Elementary Education
Smith, Irene J.	Elementary Education
Smith, Lolita	Elementary Education
Stradling, Joseph	Agriculture
Swiggett, Catherine	Biology
Tate, Edna	Business Education
Watson, Doris	Elementary Education
White, Earl	Business Administration
Wilson, Cecil	Elementary Education
Woolford, Leila	Elementary Education
Wyche, Bobby	Biology

SENIORS

Name	Major Field	City and State
Arnold, Richard	Mathematics	Dover, Delaware
Atkinson, Yvonne	Elementary Education	Portsmouth, Virginia
Ballard, Don	History	Wilmington, Delaware
Bass, Mildred	Elementary Education	Dover, Delaware
Baxter, Ulysses	Elementary Education	Philadelphia, Pa.
Bennett, Jannie	Home Economics	Hammonton, New Jersey
Benton, Estella	Biology	Wilmington, Delaware

SENIORS (continued)

Name	Major Field	City and State
Bessellieu, Charles	Elementary Education	Frederica, Delaware
Blakey, Noel	Business Education	Washington, D. C.
Blockson, Jo Ann	Business Education	Seaford, Delaware
Brashears, Lewis	Sociology	Wilmington, Delaware
Brooks, Dennis	Music Education	Wilmington, Delaware
Brown, Watson	Chemistry	Wilmington, Delaware
Brunson, Freddie	H. & P. Education	Daytona Beach, Fla.
Brunswick, Anthony	Mathematics	Laurel, Delaware
Carroll, Franceania	Sociology	Wilmington, Delaware
Clifton, Patricia	Home Economics Education	Smyrna, Delaware
Coleman, Norwood	Music Education	Wilmington, Delaware
Collins, John	Biology	Wilmington, Delaware
Congo, Ernest	Business Education	Newark, Delaware
Conway, Donald	H. & P. Education	Washington, D. C.
Cooper, Dorothy	Elementary Education	Dover, Delaware
Cora, Ralph	H. & P. Education	New York, New York
Davis, Robert	Business Administration	Lincoln, Delaware
Dixon, Lloyd	Chemistry	Wilmington, Delaware
Dozier, Burrell	Elementary Education	Philadelphia, Pa.
Driggs, Anne	Elementary Education	Dover, Delaware
Elzy, Sonja	Elementary Education	Wilmington, Delaware
Ferguson, Diana	Music Education	Wilmington, Delaware
Fortune, Robley	Elementary Education	Allston, Massachusetts
Gamell, David	Biology	Wilmington, Delaware
George, Joyce	Sociology	Lakewood, New Jersey
Grayson, Fannie	Elementary Education	Dover, Delaware
Hairston, Major	Elementary Education	Wilmington, Delaware
Hall, Sallie	Business Education	Frankford, Delaware
Hanks, Woody	H. & P. Education	Asheville, N. C.
Harmon, Barry	Mathematics	Millsboro, Delaware
Haskins, Peggy	Elementary Education	Wilmington, Delaware
Hayward, Homer P.	Chemistry	Princess Anne, Maryland
Heidelberg, Eloise	Business Education	Dover, Delaware
Henderson, Emma	Business Education	New York, New York
Henry, Clarence	Elementary Education	Middletown, Delaware
Hickson, Charlestene	Sociology	Dover, Delaware
Hill, William	Biology	Harrington, Delaware
Holland, Evelyn	Business Education	Wilmington, Delaware
Hopson, Ronald	Elementary Education	Williamstown, N. J.
Hyland, Doris	Elementary Education	Laurel, Delaware
Jenkins, Samuel	Sociology	Philadelphia, Pa.
Johnson, Courtney	Music Education	Brandywine, Maryland
Johnson, James	Biology	Wilmington, Delaware
Johnson, Mabel	Sociology	Wilmington, Delaware
Johnson, Vera	Biology	Smyrna, Delaware
Johnson, William	Agricultural Education	Clayton, Delaware

SENIORS (continued)

Name	Major Field	City and State
Joines, Gwendolyn	Elementary Education	Wilmington, Delaware
King, Roger	H. & P. Education	Washington, D. C.
Knox, Constance	Business Education	New York, New York
Korb, Donald	Sociology	Dover, Delaware
McCoy, Shirley	Sociology	Fort Worth, Texas
McSears, Jack	Business Administration	Seaford, Delaware
Meyers, Benjamin	Biology	Dover, Delaware
Miller, Clark	History	Wilmington, Delaware
Moody, Cynthia	Business Education	Wilmington, Delaware
Mosley, Drucilla	Sociology	Milford, Delaware
Napier, Walter	Chemistry	Wilmington, Delaware
Newby, Doris	Elementary Education	Philadelphia, Pa.
Nixon, Robert	H. & P. Education	Leesbury, Florida
Oliver, Eula	Elementary Education	Frankford, Delaware
Palmer, Jeannette	Sociology	Philadelphia, Pa.
Parrott, Suzanne	Elementary Education	Dover, Delaware
Pearson, William	Business Administration	Wilmington, Delaware
Penny, Walter	H. & P. Education	Richmond, Virginia
Peters, Herbert	Sociology	Greenfield, Massachusetts
Pitts, Shirley	Sociology	Dover, Delaware
Price, Dorothy	Elementary Education	Wilmington, Delaware
Raison, Betty	Sociology	Wilmington, Delaware
Raphael, Jesse	Elementary Education	Texarkana, Arkansas
Reynolds, G. Sandra	Business Education	Baltimore, Maryland
Roberson, Richard	H. & P. Education	St. Petersburg, Fla.
Saunders, Barbara	Home Economics	Mt. Vernon, New York
Saunders, Emma Jean	Business Education	Wilmington, Delaware
Sizemore, John	Elementary Education	New Haven, Conn.
Smith, Irene J.	Elementary Education	Delaware City, Delaware
Smith, Lolita	Elementary Education	Lawnside, New Jersey
Spencer, Frances	English	Bridgeville, Delaware
Stephens, Joseph	Elementary Education	Dover, Delaware
Stradling, Joseph	Agriculture	Barclay, Maryland
Summers, Gwendolyn	Sociology	Clayton, Delaware
Swiggett, Catherine	Biology	Wilmington, Delaware
Tate, Edna	Business Education	Wilmington, Delaware
Turner, Sarah	English	Milford, Delaware
Vaughan, Geneva	Sociology	Philadelphia, Pa.
Watson, Dorothy	Elementary Education	Newark, Delaware
White, Earl	Business Administration	Coraopolis, Pa.
Whiting, Bernice	Elementary Education	Dover, Delaware
Wilson, Cecil	Elementary Education	Chester, Pa.
Wilson, Raymond	Mathematics	Wilmington, Delaware
Woolford, Leila	Elementary Education	New Castle, Delaware
Wyche, Bobby	Biology	Richmond, Virginia

JUNIORS

Name	Major Field	City and State
Arnell, Malcolm	Sociology	Dover, Delaware
Bailey, F. Bryan	Secretarial Science	Dover, Delaware
Bailey, Robert	Business Administration	Dover, Delaware
Baine, Joshua	History	Wilmington, Delaware
Baxter, Eva	Sociology	Philadelphia, Pa.
Bell, Austin	Chemistry	Wilmington, Delaware
Bender, Paul	English	Greenwood, Delaware
Bishop, Clyde	Sociology	Newark, Delaware
Bost, Charles	H. & P. Education	Concord, North Carolina
Bowles, George	H. & P. Education	Martinsville, Virginia
Bratten, Bertha	Biology	Frankford, Delaware
Brown, Perry	Biology	Wilmington, Delaware
Bunting, Robert	Business Administration	Asbury Park, N. J.
Cannon, Alkay	Home Economics	Seaford, Delaware
Cannon, Barbara	Business Education	Seaford, Delaware
Chappel, Luke	Biology	New Haven, Conn.
Cheatham, Maurice	H. & P. Education	Spartansburg, S.C.
Clark, William	Elementary Education	Williamstown, N.J.
Cole, Shirley	Secretarial Science	Wilmington, Delaware
Conaway, Ernest	H. & P. Education	Millsboro, Delaware
Cooper, Louise	Elementary Education	Houston, Delaware
Darby, Howard	Biology	Dover, Delaware
Davis, Bruce	Sociology	Clinton, Maryland
Davis, James	English	Milford, Delaware
Dicks, Patricia	Sociology	Brooklyn, New York
Dillard, Hestene	Elementary Education	New Castle, Delaware
Dupee, Alver	Elementary Education	Fieldale, Virginia
Edmonds, Edgenell	Elementary Education	Martinsville, Virginia
Ellison, Paul	Sociology	Philadelphia, Pa.
Evans, Hazel	Elementary Education	Farmingdale, N. J.
Ferrell, Paul	Business Administration	New York, New York
Garrison, Esther	Business Education	Selbyville, Delaware
Griffin, Zella	English	Burton, South Carolina
Gunnell, Larry	H. & P. Education	Hightstown, New Jersey
Hamilton, Howard	Mathematics	East Orange, N.J.
Harley, Gwendolyn	Sociology	Wilmington, Delaware
Harmon, Patricia	Elementary Education	Wilmington, Delaware
Harris, Dorothy	H. & P. Education	Wilmington, Delaware
Hayward, Woodrow	History	Brooklyn, New York
Henry, Charles	History	Georgetown, Delaware
Hines, Barbara	Home Economics	Kenton, Delaware
Hogsten, James	H. & P. Education	Felton, Delaware
Holland, Vincent	Sociology	Wilmington, Delaware
Holmes, Samuel	Business Education	Woodstown, New Jersey
Holt, Wardell	H. & P. Education	Willow Grove, Pa.
Hopkins, Moezell	Business Education	Millsboro, Delaware

JUNIORS (continued)

Name	Major Field	City and State
Jackson, Marilyn	Elementary Education	Wilmington, Delaware
Jester, Marion	Elementary Education	Dover, Delaware
Johnson, Frances	Home Economics	Seaford, Delaware
Johnson, Harold	H. & P. Education	Richmond, Virginia
Johnson, M. Loretta	Sociology	Inlaystown, New Jersey
Jordan, Clarence	Business Administration	Chester, Pa.
Jubilee, Leroy	Agriculture	Millsboro, Delaware
Lawson, Alphonso	Business Education	Washington, D. C.
Lewis, James	Biology	Philadelphia, Pa.
Lewis, Nancy	Elementary Education	Dover, Delaware
Lingo, Marita	H. & P. Education	Bridgeton, New Jersey
Livingston, Roland	History	Wilmington, Delaware
Marsh, William	History	Smyrna, Delaware
McDougal, Gail	Elementary Education	Philadelphia, Pa.
Morris, Charlotte	Home Economics	Lewes, Delaware
Mosley, Laura	Biology	Birmingham, Alabama
Moyer, Charles	History	Dover, Delaware
Mumford, Ernestine	Business Education	Selbyville, Delaware
Nickens, Virginia	Business Education	Laurel, Maryland
Nutter, Harvey	Elementary Education	Bridgeton, New Jersey
Osborne, Frederic	Elementary Education	New Haven Conn.
Palmer, Pauline	H. & P. Education	Philadelphia, Pa.
Perkins, Terrence	H. & P. Education	Seaford, Delaware
Perry, Celestine	Sociology	Washington, D. C.
Postley, Douglas	H. & P. Education	Selbyville, Delaware
Prater, Flair	Elementary Education	Vineland, New Jersey
Ragin, Allie	Sociology	Richmond, Virginia
Ranson, Sallye	Home Economics	Rehoboth, Delaware
Rice, Georganna	Home Economics	Milford, Delaware
Rickards, Ermadine	Home Economics	Greenwood, Delaware
Riley, Joyce	Elementary Education	Smyrna, Delaware
Robinson, James	H. & P. Education	Fort Meade, Florida
Robinson, Leonia	Elementary Education	Lewes, Delaware
Ryder, Sylvia	Business Education	Dover, Delaware
Scott, John	History	Georgetown, Delaware
Short, William	H. & P. Education	Wilmington, Delaware
Singleton, Juanita	Business Education	Chester, Pennsylvania
Smith, Irene H.	Business Education	Monroeville, New Jersey
Smith, Joseph	History	Wilmington, Delaware
Steward, Martha	Biology	Harrington, Delaware
Stewart, Granville	Elementary Education	Lewes, Delaware
Still, William	Sociology	Camden, Delaware
Street, Richard	History	Millsboro, Delaware
Sudler, Loretta	Elementary Education	Wilmington, Delaware
Summers, Lloyd	Biology	Middletown, Delaware
Swiggett, Edward	Agriculture	Smyrna, Delaware

JUNIORS (continued)

Name	Major Field	City and State
Swiggett, Sandra	Elementary Education	Smyrna, Delaware
Swinton, Nathaniel	Biology	Charleston, S. C.
Taylor, Pauline	Elementary Education	Dover, Delaware
Tunnell, Wynell	Business Education	Nassau, Delaware
Turner, Doris	Elementary Education	Wilmington, Delaware
Walker, Willie	Business Administration	Wilmington, Delaware
White, Charles	Biology	Dover, Delaware
White, Melva	Elementary Education	Berlin, Maryland
Wilkins, David	Elementary Education	Elizabeth, New Jersey
Williams, Herman	H. & P. Education	Wilmington, Delaware
Wilson, James	Agricultural Education	Smyrna, Delaware

SOPHOMORES

Name	Major Field	City and State
Anderson, Linda	Secretarial Science	Wilmington, Delaware
Anderson, Sylvester	History	Wilmington, Delaware
Atkinson, Edward	Music Education	Philadelphia, Pa.
Austin, Clarence	Agriculture	Horntown, Virginia
Avent, Marva	Music Education	Glassboro, New Jersey
Bailey, Claude	Mathematics	Wilmington, Delaware
Banks, Jacquelyn	Elementary Education	Bridgeville, Delaware
Batten, Ira	Sociology	Norristown, Pennsylvania
Bell, Charles	H. & P. Education	Laurel, Delaware
Berry, John	Sociology	Bridgeton, New Jersey
Betancourt, Michael	Mathematics	New York, New York
Bivins, Marva	History	Aliquippa, Pennsylvania
Blanchard, John	History	Philadelphia, Pa.
Blakey, Brenda	P. Ed. Med. Allied	Dover, Delaware
Brown, Sandra	H. & P. Education	Wilmington, Delaware
Brummell, Louis	H. & P. Education	Bridgeville, Delaware
Bryan, Frances	Elementary Education	Wilmington, Delaware
Burton, Andrew	Elementary Education	Wilmington, Delaware
Burton, Joseph	P. Ed. Med. Allied	Wilmington, Delaware
Butts, Donald	Elementary Education	Bridgeton, New Jersey
Byrd, Calvin	Sociology	Wilmington, Delaware
Carter, Charles	Biology	Dover, Delaware
Chandler, Margaret	Business Education	Townsend, Delaware
Chapman, Henry	Sociology	Paulsboro, New Jersey
Cheeks, Mary	Elementary Education	Winston-Salem, N. C.
Cherry, Thomas	P. Ed. Med. Alld.	New York, New York
Cirwithian, Delores	Elementary Education	Milton, Delaware
Clark, Dianne	Elementary Education	Delair, New Jersey
Coleman, James	History	Harrington, Delaware
Coney, Joseph	English	Wilmington, Delaware

SOPHOMORES (continued)

Name	Major Field	City and State
Cooper, Newell	History	Red Bank, New Jersey
Covington, Rachel	Business Education	Wilmington, Delaware
Daniels, Roland	H. & P. Education	Dover, Delaware
Dorman, Granville	Biology	Seaford, Delaware
Douglas, Julia	Business Education	Philadelphia, Pa.
Drayton, Betty	Elementary Education	Bridgeville, Delaware
Drayton, Carey	Agriculture	Bridgeville, Delaware
Drew, Martin	English	Frankford, Delaware
Dupee, Leroy	Mathematics	Fieldale, Virginia
Edmunds, Robert	Mathematics	Dover, Delaware
Ellison, Linda	Elementary Education	Philadelphia, Pa.
Faulkner, Gene	H. & P. Education	Winston-Salem, N. C.
Fitchett, Rose	Elementary Education	Philadelphia, Pa.
Fooks, Jo Ann	H. & P. Education	Philadelphia, Pa.
France, James	Mathematics	Richmond, Virginia
Francis, Barbara	Elementary Education	Wilmington, Delaware
Freeman, Thomas	Business Administration	Dover, Delaware
Gaines, Bertha	Mathematics	Laurel, Delaware
Gaines, Delores	English	Cherry Hill, N. J.
Gaines, Regina	H. & P. Education	Delmar, Delaware
Gilfillian, Basil	H. & P. Education	Darby, Pennsylvania
Gipson, Richard	Chemistry	Cranford, New Jersey
Godfrey, William	English	Charleston, S. C.
Golden, Carolyn	Sociology	Wilmington, Delaware
Goldsborough, Carolyn	H. & P. Education	Dover, Delaware
Grandison, Charles	Elementary Education	Wilmington, Delaware
Grant, Joyce	Elementary Education	Seaford, Delaware
Gray, Levonzo	Chemistry	Cleveland, Ohio
Hall, Joyce	Elementary Education	Clarksville, Delaware
Harmon, Flossie	Elementary Education	Ellendale, Delaware
Harmon, Waymon	Agriculture	Rehoboth, Delaware
Harris, Kathryn	Elementary Education	Milford, Delaware
Harris, Robert	Elementary Education	Newark, New Jersey
Harris, Ronald	Business Administration	Elkins Park, N. J.
Henderson, Nina E.	Home Economics	New York, New York
Hollis, Ann	H. & P. Education	Chester, Pennsylvania
Holloway, Robert	Music Education	Wilmington, Delaware
Hopkins, John	Business Administration	Wilmington, Del.
Jackson, Bruce	Mathematics	Millsboro, Delaware
Jackson, James	Business Administration	Philadelphia, Pa.
Jackson, John	Sociology	Philadelphia, Pa.
Jackson, Joseph	Music Education	Dover, Delaware
Jacobs, Walter	Sociology	Langhorne, Pa.
Jenkins, Annie	Business Education	Newark, New Jersey
Johnson, Lola	Home Economics Educ.	Wilmington, Del.

SOPHOMORES (continued)

Name	Major Field	City and State
Johnson, Rayford	H. & P. Education	Trenton, N. J.
Johnson, Stanley	H. & P. Education	Norristown, Pa.
Johnson, Thomas	Elementary Education	Winston-Salem, N. C.
Johnson, Wilbur	History	Brooklyn, New York
Jones, Alvah	Elementary Education	Willow Grove, Pa.
Jones, Brenda	Home Economics	Wilmington, Delaware
Kellam, Albert	Biology	Millsboro, Delaware
Kelty, Darrell	History	Temple City, California
Kennedy, James	Business Administration	Coatesville, Pa.
Land, John	H. & P. Education	New York, New York
Lee, Martin	Elementary Education	Willow Grove, Pa.
Lingo, Betty	Business Education	Bridgeton, N. J.
Loper, Marie	Elementary Education	Lincoln, Delaware
Marshall, David	Business Administration	Wilmington, Delaware
Marshall, Roland	Sociology	Wilmington, Delaware
Matthews, Norman	Business Administration	Seaford, Delaware
Maynard, Tina	H. & P. Education	Newark, New Jersey
McCray, Robert	Elementary Education	Frankford, Delaware
McKenna, Edward	Business Administration	Dover, Delaware
Merritt, Philip	Sociology	New Rochelle, N. Y.
Michael, Zella	H. & P. Education	Philadelphia, Pa.
Mifflin, Kenneth	History	Georgetown, Delaware
Miles, Maynard	English	Wilmington, Delaware
Miller, Isaac	Chemistry	Washington, D. C.
Miller, Nathaniel	Mathematics	Winston-Salem, N. C.
Miller, Sherman	Mathematics	Wilmington, Delaware
Mitchell, Ida	Home Economics Educ.	Newark, New Jersey
Montgomery, Chester	Mathematics	Greenville, Tenn.
Montgomery, Mary	Business Education	Cambridge, Maryland
Moore, William	Business Administration	Wilmington, Del.
Morris, Freddie	Elementary Education	Laurel, Delaware
Morris, Theola	Elementary Education	Philadelphia, Pa.
Mosley, Hilda	Business Education	Dover, Delaware
Murchison, Eloise	Business Education	Philadelphia, Pa.
Nicholas, Juanita	History	Philadelphia, Pa.
Norman, Calvin	Mathematics	Dover, Delaware
Parker, Elizabeth	Business Education	Wilmington, Delaware
Parker, Wayne	H. & P. Education	Woodbury, New Jersey
Prettyman, John	Business Administration	Milton, Delaware
Price, James	Sociology	Wilmington, Delaware
Prince, Frances	Elementary Education	Atlantic City, N. J.
Pritchett, Forrest	Sociology	Atlantic City, N. J.
Pritchett, Maurice	Elementary Education	Wilmington, Delaware
Pritchett, Roberta	Business Education	Wilmington, Delaware
Ragin, Angela	H. & P. Education	Philadelphia, Pa.

SOPHOMORES (continued)

Name	Major Field	City and State
Rickerson, James	Business Education	Dover, Delaware
Ridgeway, Don	Business Administration	Wilmington, Del.
Roberts, Geraldine	Sociology	Wilmington, Delaware
Robinson, William	Elementary Education	Dover, Delaware
Ross, Vibert	Agriculture	Brooklyn, New York
Russ, Diana	Mathematics	Montclair, N. J.
Sammons, Ferne	Elementary Education	Lewes, Delaware
Sauls, Rosa	Business Education	Milford, Delaware
Saunders, Charles	H. & P. Education	Philadelphia, Pa.
Scott, Maggie	Elementary Education	Lincoln, Delaware
Shands, William	Business Administration	Dinwiddie, Virginia
Smith, Clauzell	Mathematics	Ridgeway, Virginia
Smith, George	Sociology	Dover, Delaware
Smith, Howard	H. & P. Education	Middletown, Delaware
Smith, Janice	Elementary Education	Newark, N. J.
Smith, Missouri	Elementary Education	Salem, N. J.
Smith, Patricia	History	Florence, N. J.
Smith, Raymond	H. & P. Education	Boston, Mass.
Spady, Carey	Elementary Education	Cape Charles, Va.
Speaks, Nathaniel	H. & P. Education	Frankford, Delaware
Spivey, Kirby	H. & P. Education	Mizpah, N. J.
Spurlock, Robert	History	Wilmington, Delaware
Stillwell, Sandy	H. & P. Educ. (Rec.)	Boston, Mass.
Streett, Percell	Music Education	Wilmington, Delaware
Strong, Jimmie	H. & P. Education	Atlanta, Georgia
Sturgis, William	Sociology	Seaford, Delaware
Swiggett, Gloria	Home Economics	Smyrna, Delaware
Sydnor, Calvin	History	Dover, Delaware
Tate, Phyllis	Elementary Education	Wilmington, Delaware
Taylor, Edward	H. & P. Education	Millsboro, Delaware
VanSparrentak, Norman	Business Administration	Dover, Delaware
Walker, Clarence	English	Atlantic City, N. J.
Walker, Dorothy	Elementary Education	Wilmington, Delaware
Walker, Earl	Elementary Education	Middletown, Delaware
Walker, Terry	Elementary Education	Dover, Delaware
Walker, Virginia	Elementary Education	Middletown, Delaware
Ward, John	Business Administration	Dover, Delaware
Waters, Effie	Sociology	Middletown, Delaware
Watson, Dorris	Elementary Education	Camden, N. J.
Webster, Thomas	Business Administration	Wilmington, Del.
West, Bernice	Elementary Education	Laurel, Delaware
West, James	Elementary Education	Laurel, Delaware
West, Shirley	Elementary Education	Laurel, Delaware
White, Albert	H. & P. Education	New York, New York

SOPHOMORES (continued)

Name	Major Field	City and State
White, Lester C.	History	Newark, Delaware
Wilkerson, Betty	Business Administration	Wilmington, Del.
Williams, Albert	Elementary Education	Trenton, New Jersey
Williams, Annelle	H. & P. Education	Dorchester, Mass.
Williams, Jo Ann	Elementary Education	North East, Maryland
Wilson, John	Biology	Dover, Delaware
Winston, Delores	Elementary Education	Felton, Delaware
Winston, Robert	Business Administration	Felton, Delaware
Woolford, Sylvester	Business Administration	New Castle, Delaware
Wright, Donald	Biology	Boston, Mass.
Wright, Gordon	Business Administration	Roosevelt, New York
Wright, Sherid	Elementary Education	Wilmington, Delaware
Wylie, Samuel	Elementary Education	Milford, Delaware
Yatron, Georgine	English	Dover, Delaware
Young, Eva Lynn	Elementary Education	Lincoln, Delaware
Young, Howard	Sociology	Middletown, Delaware

FRESHMEN

Name	Major Field	City and State
Abbott, Marvin	Elementary Education	Georgetown, Delaware
Allen, Darlene	Elementary Education	Cornwall, Pennsylvania
Alston, Betty	Chemistry	Seaford, Delaware
Andrews, Janet	H. & P. Education	Philadelphia, Pa.
Bagwell, Mazie	Elementary Education	Wilmington, Delaware
Bailey, Richard	Chemistry	Philadelphia, Pa.
Baker, Robert	Secondary Education	Levittown, New York
Barnes, Arthur	History	Capeville, Virginia
Barton, William	History	Atlantic City, N. J.
Bethards, Charles	Music Education	Millsboro, Delaware
Bethel, Shereatha	Business Education	Dover, Delaware
Blackmon, Elbert	Business Education	Jersey City, New Jersey
Blackson, Beulah	Elementary Education	Townsend, Delaware
Boardley, Grace	Elementary Education	Wilmington, Delaware
Bolden, James	History	Jersey City, N. J.
Bordley, Charles	Agriculture	Dover, Delaware
Brady, Betty	Elementary Education	Milford, Delaware
Braxton, Mary	Elementary Education	Woodstown, N. J.
Brewington, Roland	Elementary Education	Wilmington, Delaware
Brewton, Bernard	Business Administration	New Rochelle, N. J.
Brittingham, Randolph	Elementary Education	Wilmington, Delaware
Brown, Alan	Economics	Wilmington, Delaware
Brown, Alice	Business Administration	Wilmington, Del.
Brown, Donald	Biology	Salem, New Jersey
Brown, Ethel	Business Education	Wilmington, Delaware

FRESHMEN (continued)

Name	Major Field	City and State
Brown, William	Sociology	Camden, New Jersey
Bryan, Gloria	Elementary Education	Hightstown, N. J.
Bryan, James	Mathematics	Dover, Delaware
Bull, David	Agriculture	Millsboro, Delaware
Burton, Randall	Elementary Education	Wilmington, Delaware
Burton, William	Elementary Education	Philadelphia, Pa.
Butcher, William	Business Administration	Wilmington, Del.
Campbell, Julius	Sociology	Trenton, New Jersey
Campber, Courtland	Elementary Education	Wilmington, Delaware
Cannon, Eugene	English	Wilmington, Delaware
Cannon, Isaac	Agriculture	Bridgeville, Delaware
Carlos, Ronald	Sociology	New York, New York
Christmas, Dillard	History	Lewes, Delaware
Clark, Joan	Business Education	Milford, Delaware
Clarke, Eric	Biology	Philadelphia, Pa.
Collins, Elliott	Economics	Wilmington, Delaware
Collins, Jacquelyn	Elementary Education	Townsend, Delaware
Collins, Robert	Elementary Education	Townsend, Delaware
Cooper, Jackie	H. & P. Education	Roxbury, Massachusetts
Coor, Arianna	History	Philadelphia, Pa.
Corsey, Bernadette	Business Education	Wenonah, New Jersey
Coverdale, Alfioretta	Elementary Education	Milford, Delaware
Coverdale, Marilee	Elementary Education	Greenwood, Delaware
Crews, Tyrone	History	Wilmington, Delaware
Crowell, James	H. & P. Education	Trenton, New Jersey
Davis, Lawrence	Elementary Education	Wilmington, Delaware
Dean, David	Music Education	Rehoboth, Delaware
Devine, Roberta	Elementary Education	Philadelphia, Pa.
Dixon, Sharon	Business Education	Chester, Pennsylvania
Dorman, Oliver	Mathematics	Seaford, Delaware
Dorsett, Charles	Sociology	Jefferson, New York
Dorsey, John	Elementary Education	Wilmington, Delaware
Draine, William	Sociology	Millsboro, Delaware
Eason, Shirley	Music Education	Camden, New Jersey
Edomy, Alexander	Elementary Education	Wilmington, Delaware
Evans, George	Agriculture	Smyrna, Delaware
Fitchett, Carolyn	Business Education	Cape Charles, Virginia
Floyd, Elaine	Elementary Education	Dover, Delaware
Fontaine, Marvin	Biology	Martinsville, Virginia
Fooks, Patricia	Mathematics	Laurel, Delaware
Freeman, Delores	Elementary Education	Wyoming, Delaware
Frisby, Dorothy	Mathematics	Middletown, Delaware
Funderburk, Charles	History	Alexandria, Virginia
Gaines, Donald	History	Seaford, Delaware
Gaither, Albert	Elementary Education	Wilmington, Delaware

FRESHMEN (continued)

Name	Major Field	City and State
Gist, Dorothy	Mathematics	Wilmington, Delaware
Gowens, Anderson	Chemistry	Dover, Delaware
Graham, Eddie	Business Administration	Conshohocken, Pa.
Gray, Gary	Elementary Education	Trenton, N. J.
Green, Geneva	Elementary Education	Cleveland, Ohio
Griffin, Michael	Sociology	Dover, Delaware
Hale, Kenneth	English	New York, New York
Harley, Sandra	Biology	Wilmington, Delaware
Harmon, Jeraldine	History	Millsboro, Delaware
Harris, Abraham	Physica	Dagsboro, Delaware
Harris, Mabel	Music Education	Woodstown, New Jersey
Harris, Thomas	Business Administration	New Castle, Del.
Heath, Nancy	Music Education	Greenwood, Delaware
Hebron, Preston	Elementary Education	Wilmington, Delaware
Henderson, James	History	Media, Pennsylvania
Henderson, Robert	Elementary Education	Wilmington, Delaware
Henry, Calvin	Elementary Education	New Discovery, Del.
Henry, Patricia	Elementary Education	Salem, New Jersey
Hill, Sharon	Elementary Education	Wilmington, Delaware
Hoffman, Ida	Elementary Education	Dover, Delaware
Holland, James	H. & Physical Education	Wilmington, Del.
Holland, John	Elementary Education	Wilmington, Delaware
Holland, William	Elementary Education	Dover, Delaware
Holmes, Carl	Business Education	Willow Grove, Pa.
Hopkins, Anna	Elementary Education	Bridgeville, Delaware
Hopkins, Oscar	History	Georgetown, Delaware
Hovington, Joyce	Biology	Dover, Delaware
Hubbard, Lester	Biology	Camden, New Jersey
Hyland, Evelyn	Biology	Wilmington, Delaware
Ivy, Melvyn	Business Administration	Washington, D. C.
Jackson, Carolyn	Elementary Education	Bridgeton, New Jersey
Jackson, Isaac	Agriculture	Millsboro, Delaware
James, Edward	Business Administration	Rosenhayn, N. J.
Jamison, Mary	H. & P. Education	Wyoming, Delaware
Jamison, Preston	Sociology	Baltimore, Maryland
Jenkins, Thomas	Biology	Wilmington, Delaware
Jones, Marvin	History	Milton, Delaware
Jones, Randolph	Agriculture	Bridgeville, Delaware
Jones, Robert Lawrence	Business Administration	Wilmington, Delaware
Jones Lee	History	Bridgeville, Delaware
Kellam, Claude	Business Administration	Wilmington, Delaware
Kent, Charles	Elementary Education	Wilmington, Delaware
Key, Oscar	Sociology	Elizabeth, New Jersey
Knox, Simmie	Biology	Milford, Delaware
Lamb, Patricia	History	Philadelphia, Pa.

FRESHMEN (continued)

Name	Major Field	City and State
Langston, James	Sociology	Lawnside, New Jersey
Lawson, Gwendolyn	Elementary Education	Wilmington, Delaware
Lee, Ralph	History	Bridgeville, Delaware
Lytle, Ivy		Birmingham, Alabama
Manley, Joyce	Biology	Wilmington, Delaware
Martin, Arthur	Elementary Education	Wilmington, Delaware
Matthews, Charles	Sociology	Cheriton, Virginia
Mauil, Otelia	Elementary Education	Lewes, Delaware
McCants, Janice	Sociology	Wilmington, Delaware
McNair, Carolyn	Home Economics	Wilmington, Delaware
McNair, Selma	Business Administration	Wilmington, Delaware
Melton, Lawrence	Business Education	Wilmington, Delaware
Meredith, Vetta	Sociology	New Castle, Delaware
Middlebrooks, Diane	Business Administration	Wilmington, Delaware
Miles, James	Secondary Education	Morrisville, Pa.
Miller, Mary	Business Education	Lewes, Delaware
Mills, Sandra	Sociology	Corona, New York
Mitchell, Elizabeth	Mathematics	Townsend, Delaware
Molock, Harrison	Music Education	Chester, Pennsylvania
Moody, George	Elementary Education	Wilmington, Delaware
Morris, Gloria	Sociology	Dover, Delaware
Morris, Stanley	Agricultural Education	Dover, Delaware
Newman, George	H. & P. Education	Washington, D. C.
Newman, Johnny	Business Administration	Bridgeville, Delaware
Oates, Sue	Sociology	Wilmington, Delaware
Ochieng, Stevens	History	Kesii, Kenya
Oliver, John	Elementary Education	Frankford, Delaware
Orr, James	Business Administration	Wilmington, Delaware
Palmer, Mary	Elementary Education	Milford, Delaware
Palmer, Rowena	H. & P. Education	Philadelphia, Pa.
Parker, William	Agriculture	Harrington, Delaware
Perry, Juanita	Elementary Education	Wilmington, Delaware
Peters, Roberta	Sociology	Greenfield, Mass.
Pinkney, Robert	H. & P. Education	Inwood, L. I., N. Y.
Pinkston, William	Business Administration	Wilmington, Delaware
Powell, Rachel	History	Wilmington, Delaware
Ragin, Carol	Chemistry	Wilmington, Delaware
Riley, Reba	Biology	Selbyville, Delaware
Robinson, Cynthia	Biology	Philadelphia, Pa.
Robinson, Gary	Sociology	Camden, N. J.
Robinson, Gloria	Elementary Education	Bridgeton, New Jersey
Robinson, Marchita	Biology	Atlantic City, N. J.
Rogers, Hayward	History	Rehoboth Beach, Del.
Roselle, William	History	Philadelphia, Pa.
Rue, Albert	H. & P. Education	Wilmington, Delaware
Rue, Sara	Elementary Education	Wilmington, Delaware

FRESHMEN (continued)

Name	Major Field	City and State
Samuels, Robert	English	Wilmington, Delaware
Satterwhite, Elaine	Elementary Education	Marydel, Maryland
Saulsbury, Sylvia	Business Education	Camden, New Jersey
Saunders, Arnold	H. & P. Education	Newark, Delaware
Sembly, Francis	Elementary Education	Washington, D. C.
Shelton, Sherita	History	Millsboro, Delaware
Sheppard, Albert	Sociology	Wilmington, Delaware
Shockley, Lester	H. & P. Education	Harrisburg, Pa.
Short, Harold	Sociology	Frankford, Delaware
Sias, Joseph	Elementary Education	Washington, D. C.
Sims, Bernadette	Elementary Education	Wilmington, Delaware
Singleton, Clayton	H. & P. Education	Cambridge, Mass.
Skinner, Robert	Elementary Education	Middletown, Delaware
Slaughter, Edward	Biology	Wilmington, Delaware
Smith, Alice	Sociology	Dover, Delaware
Smith, Alfred	English	Philadelphia, Pa.
Smith, Henry	Music Education	Greenwood, Delaware
Spurlock, Ronald	History	Wilmington, Delaware
Stallings, Joyce	Elementary Education	Wilmington, Delaware
Stallings, Justine	Home Economics	Wilmington, Delaware
Staples, Patricia	Biology	Wilmington, Delaware
Stephenson, Charles	Biology	Dover, Delaware
Stevens, Lafayette	Chemistry	Capeville, Virginia
Steward, Roland	History	Philadelphia, Pa.
Stewart, William	Biology	Claymont, Delaware
Taylor, Jerome	History	Philadelphia, Pa.
Taylor, John	Mathematics	Wilmington, Delaware
Taylor, Rosa	Elementary Education	Bridgeville, Delaware
Terry, John	H. & P. Education	Winston-Salem, N. C.
Thomas, Donald	Business Administration	Wilmington, Delaware
Thomas, Marvin	H. & P. Education	Wilmington, Delaware
Thompson, James	Business Administration	Wenonah, New Jersey
Timmons, Lewis	Elementary Education	Selbyville, Delaware
Tunnell, Jo Ann	Elementary Education	Nassau, Delaware
Turner, Lamar	Elementary Education	Chester, Pennsylvania
Vaillancourt, Robert	H. & P. Education	Dover, Delaware
Walton, William	English	Johnstown, Pennsylvania
Washington, Albert	Sociology	Levittown, New Jersey
Washington, Esther	Business Education	Wilmington, Delaware
Washum, Grace	Music Education	Chester, Pennsylvania
Watson, Randolph	Agricultural Education	Dover, Delaware
Webb, Noah	H. & P. Education	Laurel, Delaware
Weeks, Samuel	History	Seaview, Virginia
Welfare, Barbara	Elementary Education	New Haven, Connecticut
Wharton, David	Business Education	Wilmington, Delaware
White, Lester Ted	Elementary Education	Newark, Delaware

FRESHMEN (continued)

Name	Major Field	City and State
White, Sidney	Chemistry	Milford, Delaware
Williams, Arthur	Elementary Education ..	Wilmington, Delaware
Williams, Diane	Home Economics	Smyrna, Delaware
Williams, Robert	History	Wilmington, Delaware
Wilson, Clifford	H. & P. Education	Chester, Pennsylvania
Winchester, William ..	Biology	Dover, Delaware
Wingo, Elsie	Elementary Education	Lewes, Delaware
Wormley, Doris	Home Economics	Washington, D. C.
Wright, Howard	History	Lewes, Delaware
Wright, Wallace	Elementary Education	Philadelphia, Pa.

SPECIAL STUDENTS

Name	Major Field	City and State
Ballinger, Gerald		Dover A.F.B., Del.
Barbour, Martha	Elementary Education ..	Wilmington, Delaware
Bender, Virginia	Elementary Education ..	Greenwood, Delaware
Blakey, Donald		Dover, Delaware
Bushnell, Diane	Elementary Education	Dover, Delaware
Deno, Joseph	Psychology	Dover A.F.B., Delaware
Driscoll, Michael		Dover A.F.B., Delaware
Elberry, Kathleen	English	Dover, Delaware
Funk, Lawrence		Dover A.F.B., Delaware
Gamberg, David		Dover A.F.B., Delaware
Gravelly, Raymond		Axton, Virginia
Harmon, Oliver		Ellendale, Delaware
Hickok, Richard	Business Administration	Dover A.F.B., Del.
Hoffman, Ronald	History	Harrington, Delaware
Jones, Ernestine		Dover A.F.B., Delaware
Lambert, Jerry	Business Education	Wyoming, Delaware
Ludwig, Michael		Frederica, Delaware
Mabry, Paul		Dover, Delaware
Manus, Jo Ann	Elementary Education	Dover, Delaware
Meyers, Florice		Dover, Delaware
Pelucio, Jose		Milford, Delaware
Snell, Richard	Business Administration	Dover A.F.B., Del.
Stephens, Nancy	Elementary Education	Dover, Delaware
Stevens, Richard		Dover A.F.B., Delaware
Thornton, Daniel	Secondary Education	Dover, Delaware
Vogt, Richard	Business Administration	Dover, Delaware
Walker, Alan	Business Administration	Dover, Delaware
Wiley, Esther	Elementary Education	Dover, Delaware
Wolfolk, Robert	Mathematics	Dover A.F.B., Delaware

UNCLASSIFIED STUDENTS

Name	Major Field	City and State
Golden, Edward	Biology	Wilmington, Delaware
Poole, Wanza	H. & P. Education	Philadelphia, Pa.
Reckling, Ralph	Biology	Baltimore, Maryland
Rumer, James	Mathematics	Dover, Delaware
Taliaferro, Muriel	Elementary Education ..	Wilmington, Delaware

EVENING STUDENTS

Blose, Maurice	Milford, Delaware
Duzinski, Charles	Seaford, Delaware
Gladding, George	Dover, Delaware
Griffith, Philip	Milford, Delaware
Hanna, LeeRoy	Laurel, Delaware
Luce, Ruth	Wyoming, Delaware
Meyers, Thomas	Camden, Delaware
Moore, Samuel	Dover, Delaware
Parker, Denver	Milton, Delaware
Pitts, John	Dover, Delaware
Runyan, Archie	Dover, Delaware

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