

COLLEGE BULLETIN

CATALOGUE
OF THE
COLLEGE OF INDUSTRIAL ARTS
THE STATE COLLEGE FOR WOMEN
DENTON, TEXAS



NUMBER

MARCH 1, 1923

Issued monthly by the College of Industrial Arts, Denton, Texas.
Entered December 17, 1917, Denton, Texas, as second-class
matter, under Act of Congress, August 24, 1912.

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CALENDAR FOR 1923

January

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
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February

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March

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April

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COLLEGE CALENDAR

Session of 1923-1924

Fall quarter begins	Monday.....	September 17, 1923
Registration	Monday to Thursday .....	..... September 17-20, 1923
Examinations for admission.....	Monday to Wednesday .....	..... September 17-19, 1923
Classes begin	Friday	September 21, 1923
Y. W. C. A. Social	Saturday.....	September 22, 1923
Thanksgiving holiday	Thursday.....	November 29, 1923
Examinations for fall quarter	Friday to Thursday .....	..... December 14-20, 1923
Fall quarter ends 5:30 p. m.....	Thursday.....	December 20, 1923
Christmas holidays	December 20, 1923—	January 3, 1924
Winter quarter begins 8 a. m.	Thursday.....	January 3, 1924
Examinations for winter quarter	Monday to Saturday .....	..... March 10-15, 1924
Winter quarter ends	Saturday.....	March 15, 1924
Spring quarter begins	Monday.....	March 17, 1924
Commencement exercises	Saturday to Tuesday .....	..... May 24-27, 1924
Examinations for spring quarter	Tuesday to Saturday .....	..... May 27-31, 1924
Spring quarter ends	Saturday.....	May 31, 1924
Summer quarter begins	Tuesday	June 3, 1924
First quarter of college ses- sion; 1924-1925	Monday.....	September 22, 1924

BOARD OF REGENTS
COLLEGE OF INDUSTRIAL ARTS

MR. J. H. LOWRY, President, Honey Grove
MISS M. ELEANOR BRACKENRIDGE, Vice President,
San Antonio
MRS. WILLIAM CAPPS, Fort Worth
MR. J. W. SULLIVAN, Treasurer, Denton
MRS. E. P. TURNER, Dallas
MR. HUGH NUGENT FITZGERALD, Wichita Falls

FACULTY

1922-1923

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E. V. WHITE, B. S., Dean of the College

ESTELLA G. HEFLEY, B. A., Dean of Women

JESSIE H. HUMPHRIES, B. A., M. A., Associate Dean
of the College and Vocational Counselor

RICHARD J. TURRENTINE, M. A., Associate Dean of the
College

WALKER KING, B. A., Registrar

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Department of Biology

WILLIE ISABELLA BIRGE, Professor and Director of the De-
partment

B. A., M. A., University of Texas
Columbia University

ELIDA MARION PEARSON, Associate Professor

B. A., M. A., University of Texas
Columbia University
University of Chicago

MATTIE BETH MORGAN, Assistant Professor

B. A., University of Texas
M. S., University of Chicago
Marine Biological Laboratory, Cold Springs Harbor, N. Y.

MRS. BERTHA K. LLOYD, Instructor

B. A., University of Washington
M. A., University of Arizona

Department of Chemistry

WILLIS H. CLARK, Professor and Director of the Department

B. A., M. S., University of Michigan
Ph. D., University of Wisconsin

HARRY GREGORY WHITMORE, Associate Professor

B. A., M. A., University of Virginia
Graduate Study in Harvard University
Columbia University

GLADYS I. TREVITHICK, Instructor

B. A., Dakota Wesleyan University
M. S., Oklahoma Agricultural College

PERNECIA MCCLUNEY, Instructor

A. B., Trinity University

Department of English

LEE MONROE ELLISON, Professor and Director of the Department

B. A., M. A., University of Texas
Ph. D., University of Chicago

WILLIAM STANTON DONOHO, Associate Professor

B. A., Baylor University
B. A., Yale University
Graduate Student, University of Chicago

LILA ST. CLAIR MCMAHON, Associate Professor

A. B., A. M., University of Alabama
A. M., University of Chicago
University of California

ELBRIDGE COBB BRODIE, Assistant Professor

A. B., Southwestern University
A. M., University of Chicago

***SUSAN F. COBB, Assistant Professor**

B. A., College of Industrial Arts
M. A., University of California

DEAN WHITE HENDRICKSON, Assistant Professor

B. A., M. A., University of Virginia

ERIC G. SCHROEDER, Assistant Professor

B. J., A. B., University of Missouri

*Granted leave of absence for study during session of 1922-23.

ANNA VAN BUSKIRK, Assistant Professor

A. B., A. M. University of Michigan
Western State Normal

MAMIE W. WALKER, Assistant Professor

B. A., College of Industrial Arts
M. A., Columbia University
University of California

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B. A., College of Industrial Arts

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B. A., College of Industrial Arts

Department of Fine and Applied Art

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Department**

B. S., Columbia University
Diploma, New York School of Fine and Applied Art
Academie Moderne, Paris, France

MARIAN LONG, Professor

Graduate, New York School of Fine and Applied Art
Member European Study Classes

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B. S., College of Industrial Arts
Graduate, Pratt Institute
New York State School of Clay Working and Ceramics

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Graduate, Pratt Institute
Columbia University

VICTORIA EBBELS, Assistant Professor

New York School of Fine and Applied Art
Columbia University
Art Students' League of New York

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Graduate New York School of Fine and Applied Art

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B. A., University of Iowa
M. A., Columbia University
National Academy of Design Schools

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Columbia University
Fry Art School, Southampton, L. I.
Art School, Carmel, California

Department of Health and Hygiene

**JESSIE LOUISE HERRICK, M. D., College Physician, Professor
and Director of the Department**

M. D., Women's Medical College of Pennsylvania
University of Vienna Medical Department
House Physician, Women's and Children's Hospital, Detroit,
Michigan

Department of History and Social Science

C. D. JUDD, Professor and Director of the Department

B. A., Livingston Academy
M. A., Ph. D., George Peabody College

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A. B., University of Chicago
A. M., Columbia University
University of California

H. G. ALLEN, Professor

University of Chicago

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B. S., George Peabody College
M. A., University of Chicago

SUE L. OVERTON, Instructor

B. A., Randolph-Macon Woman's College

Department of Household Arts

MARGARET GLEASON, Professor and Director of the Department

Ph. B., University of Iowa
B. S., University of Chicago
M. A., University of California

SARAH BEST, Professor of Foods and Cookery

B. A., University of Minnesota
B. S., M. A., Columbia University

CORA EDITH SWINGLE, Associate Professor of Foods and Cookery

Diploma, Columbia University
A. B., University of Michigan
A. M., University of Chicago

RUBY E. BEERS, Assistant Professor of Foods and Cookery

B. S., Oregon Agricultural College

MAY E. FOLEY, Assistant Professor of Foods and Cookery

B. S., Michigan Agricultural College
M. A., Columbia University

DOROTHY MCFARLANE, Assistant Professor of Foods and Cookery

B. S., A. M., Columbia University

LUCILE ROSENBERGER, Assistant Professor of Foods and Cookery

Ph. B., Penn College
B. S., Simmons College, Boston, Mass.
M. A., Columbia University

ALLIE GEORGE, Instructor in Foods and Cookery

B. S., College of Industrial Arts
B. S., Columbia University

KATHARINE HARPER, Instructor in Foods and Cookery

B. S., College of Industrial Arts

IDA G. REES, Instructor in Foods and Cookery

Graduate College of Industrial Arts
B. A., University of Texas
Columbia University

ROSA SPEARMAN, Instructor in Foods and Cookery

B. S., College of Industrial Arts
Columbia University

ARDENIA CHAPMAN, Associate Professor of Textiles and Clothing

Stephens College
B. S., University of Missouri
Columbia University

ANTONETTA BECKER, Assistant Professor of Textiles and Clothing

Graduate, Drexel Institute
Teachers' College, Columbia University

HELEN A. BRAY, Assistant Professor of Textiles and Clothing

Graduate, Pratt Institute
Graduate, American School of Home Economics

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Columbia University
University of Chicago

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Art Institute of Chicago

JULIA M. JACKSON, Instructor in Textiles and Clothing

B. S., George Peabody College for Teachers
University of Chicago
Columbia University

BERNEZ C. LOWE, Instructor in Textiles and Clothing

B. S., Lewis Institute

MARGUERITE MUSGRAVE, Instructor in Textiles and Clothing

Hood College
Skidmore School of Arts

Department of Languages**WILLIAM DYER MOORE, Professor and Director of the Department**

B. A., University of Texas
M. A., Columbia University

THOMAS PONTON COBB, Associate Professor

A. B., Baylor University
A. M., Columbia University
Graduate Work, National University of Mexico

***WINNIE D. LOWRANCE, Associate Professor**

A. B., A. M., Southwestern University
University of California

LOUIS J. BOURDON, Instructor

Brevet Normal School, Bordeaux, France
Bachelier es lettres, Lycées de Bordeaux, France
Graduate Work, Collège des Peres, Bordeaux, France

LOIS CARLISLE, Instructor

B. A., Southern Methodist University
M. A., Columbia University

Department of Manual Arts**MARJORIE E. NIND, Professor and Director of the Department**

University of Chicago
B. A., University of Wisconsin

MAE DEL FARRINGTON, Assistant Professor

Graduate, Sam Houston Normal Institute
Columbia University
George Peabody College

EDITH R. FORCE, Assistant Professor

B. S., Lewis Institute
University of Chicago
Knox College

L. RIVES WOODSON, Instructor

Mergenthaler Linotype School, New Orleans, La.

Department of Mathematics**E. V. WHITE, Professor and Director of the Department**

B. S., University of Texas
University of Chicago

*Granted leave of absence for study during session of 1922-23.

EMMA J. OLSON, Assistant Professor

B. A., University of South Dakota
University of Chicago

Department of Music**ELIZABETH LEAKE, Associate Professor of Piano and Director
of the Department of Music**

Pupil of Ernest Hutcheson
Pupil of William Sherwood
Pupil of Arthur Schnabel, Berlin
Pupil of Albino Gorno, Cincinnati College of Music

KATHERINE MCKEE BAILEY, Associate Professor of Piano

Graduate, Bush Conservatory, Chicago
Pupil of Harold von Mickwitz
Pupil of Godowsky Artist Class, Los Angeles
Pupil of Madame Stepanoff, New York

ELLEN MUNSON, Assistant Professor of Piano

Graduate, Columbia Conservatory, Aurora, Ill.
Pupil of Harold R. Detweiler, Harold von Mickwitz, and
Rudolph Reuter, Chicago
Repertoire, Percy Grainger, Chicago Musical College

LORENE WELCH, Assistant Professor of Piano

Graduate, Kidd-Key Conservatory
Pupil of Franklin Cannon, New York and Boston
Eurhythmics, Longy School, Boston
Harmony, Columbia University

VERE MACNEAL, Instructor in Piano

Graduate, Institute of Musical Art, New York City
Pupil of Percy Goetschius
Columbia University

HARRIET LUELLA ROBERTSON, Instructor in Piano

Pupil of Harry R. Detweiler
Pupil of Louis Victor Saar
Garfield Conservatory of Music, Chicago
Graduate, Chicago Musical College

MABLE CLAIR KANOUSE, Instructor in Piano

Graduate, Brenau College Conservatory
Graduate, Chicago Musical College
Pupil of Max Kramm, Harold Henry, Rudolph Reuter
Repertoire with Percy Grainger, Chicago

HARRY EVERIST SHULTZ, Professor of Voice

University of Arkansas
Chicago Musical College (Herman Devries, Hans Schroeder)
Pupil of Frank King Clark, Louis Bachner, Berlin
Pupil of John Dennis Mehan, New York

ELISE MACCLANAHAN, Associate Professor of Voice

Pupil of Elizabeth Sherman Clarke, New York
Pupil of Adelaide Gescheidt, New York
Pupil of Benno Sherek in Interpretation and Repertoire
Pupil of Herbert Witherspoon

STELLA LEA OWSLEY, Associate Professor of Voice

Pupil of Jean de Reszke, Paris
Pupil of Richard Epstein, New York
Pupil of Oscar Seagle, New York
Pupil of Herbert Witherspoon, New York

MARGARET VERNELLE ALLISON, Assistant Professor of Voice

Pupil of Oscar Seagle, New York
Pupil of Herbert Witherspoon
Chicago Musical College

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B. A., College of Industrial Arts
Pupil of Oscar Seagle, New York
Pupil of Herbert Witherspoon, New York

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A. B., College of the City of New York
M. B., Columbia University
Pupil of Weltin, Laendner, Dr. Rybner

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M. A., University of Texas

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A. B., A. M., Texas Christian University
A. M., Columbia University
University of Texas

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Teacher-Training in Vocational Home Economics

Graduate, McDonald Institute, O. A. C., Canada
B. S., Columbia University

EMMA B. JENSEN, Associate Professor and Supervisor of
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B. S., M. A., Columbia University
Diploma, Household Arts Education, Teachers' College

GRETA E. SMITH, Associate Professor and Supervisor of
Practice Teaching in Home Economics

University of Minnesota
B. S., Columbia University

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B. A., Trinity University
M. A., University of Chicago
University of California

MARTHA D. FINK, Assistant Professor and Director of
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Graduate, Milwaukee, Wisconsin, State Normal School
Ph. B., University of Chicago

MRS. CATHERINE GRAVES KING, Assistant Professor and
Director of Public School Music

Bachelor of Music, Washburn College
Diploma, American Institute of Normal Methods, Chicago
Pupil of Francesco Daddi, Chicago Grand Opera Association
American Conservatory of Music, Chicago

JEWELL LOCHHEAD, Assistant Professor

B. A., University of Texas
M. A., Columbia University
University of Chicago

MRS. GRANT C. MORRISON, Instructor in Kindergarten

B. S., College of Industrial Arts
Graduate, Kindergarten Department, College of Industrial
Arts

Department of Physical Education

EVELYN KENDRICK, Assistant Professor and Director of the
Department

B. A., Mississippi State College for Women
University of California
Columbia University

MARGARET C. BOGART, Instructor

B. S., University of Missouri

VENDLA MARGARET HOLMSTRÖM, Instructor

Graduate, Posse School of Physical Education, Boston, Mass.
Harvard University
Yale University
Study in Sweden and Germany

Department of Physics

C. N. ADKISSON, Professor and Director of the Department

A. B., Central College
Columbia University
University of Louisville

JULIA ELIZABETH HARRIS, Instructor

B. A., College of Industrial Arts
Teachers' College, Columbia University
Illinois College of Photography

Department of Reading

S. JUSTINA SMITH, Professor and Director of the Depart-
ment

B. L. I., Emerson College of Oratory
American Academy of Dramatic Arts
Boston University

EDNA M. MENDENHALL, Assistant Professor

B. L. I., Emerson College of Oratory
Boston University

OLIVIA PRIVETT, Assistant Professor

B. L. I., Emerson College of Oratory
University of Tennessee

ASTRID W. NYGREN, Instructor

B. L. I., Emerson College of Oratory

MARJORIE KEITH STACKHOUSE, Instructor

Graduate, Dickinson Seminary, Pennsylvania

B. L. I., Emerson College of Oratory

RUTH BETH WATTS, Instructor

B. L. I., Emerson College of Oratory

Graduate, Wyoming Seminary

Department of Rural Arts

**EDMUND MITCHELL MANNING, Professor and Director of the
Department**

B. S., Alabama Polytechnic Institute

University of Texas

Cornell University

SADIE LEE OLIVER, Instructor

B. S., College of Industrial Arts

Baylor College

Cornell University

Department of Secretarial Studies

RUTH DOUGLASS, Professor and Director of the Department

A. B., University of Wisconsin

The Gregg School of Chicago

Columbia University

ANNIE ROMBERG, Associate Professor

B. A., University of Texas

The Gregg School, Chicago

ELINE STILES, Instructor

College of Industrial Arts

University of Chicago

ZOLA LITTLE, Instructor

College of Industrial Arts

University of Colorado

Department of Extension

LILLIAN HUMPHRIES, Assistant Professor and Director of
the Department

Graduate, Sam Houston Normal Institute
Columbia University
College of Industrial Arts

Library

CAROLINE MEYER, Librarian and Assistant Professor of
Library Methods

New York State Library School
Indiana State Library Commission Certificate
Depauw University

Department of Bible

MABEL MCQUEEN WEIR, Professor and Director of the De-
partment

B. A., Leland Stanford University
Bible Teachers' Training School of New York
B. D., Maclay College of Theology

Assistants in Administration

W. M. LOVELESS, Secretary to President

Agricultural and Mechanical College of Texas
Diploma, Tyler Commercial College

CLARICE MIXSON, Secretary to the Dean of the College

B. A., College of Industrial Arts

MRS. RUBY ALDERSON FOWLER, Assistant Librarian

Diploma, College of Industrial Arts
University of Wisconsin

GLADYS BATES, Secretary to the Registrar

B. B. A., College of Industrial Arts

CARMA LETA BAILEY, Secretary to the Registrar

ANNA BELLE KIBER, Secretary to the Dean of Women

B. A., College of Industrial Arts

MARY V. PENRY, Vocational Education Secretary
Diploma, College of Industrial Arts

MRS. LEONA BLEWETT, Secretary, Department of Music

GLADYS PINSON, Secretary, Department of Extension

JOE E. REED, Auditor

J. W. ERWIN, Cashier and Bookkeeper

MRS. EDITH WELCH, Assistant Cashier and Bookkeeper
Diploma, College of Industrial Arts

FRED L. MCCULLAR, General Secretary

T. C. SAMPLE, Assistant in Book and Supplies Room and in
Telegraphy

FLOY MARY AIKIN, Dietitian, Lowry Hall
B. S., College of Industrial Arts

ETHEL MURREY, Dietitian, Brackenridge Hall
B. S., College of Industrial Arts
M. A., Columbia University

MABEL DENTON, Secretary, Lowry Hall
B. S., College of Industrial Arts

EMMA KIBER, Secretary, Brackenridge Hall
Diploma, College of Industrial Arts

LOIE DAVIS, Assistant Manager of Cafeteria
B. S., College of Industrial Arts

W. E. WAGGONER, Storekeeper and Purchasing Agent, State
Dormitories

NELLIE L. COWAN, R. N., Head Nurse, Hygeia Hall

HELEN TROTTER COOK, Nurse, Hygeia Hall

J. L. STOWE, Superintendent of Buildings and Grounds

C. C. SMITH, Poultryman

C. B. COLEMAN, Manager, Dairy

H. G. BROWN, Manager, Steam Laundry

Directors of Dormitories

SARAH BEST, Director of Stoddard, Brackenridge, and Oak-
land Halls

MRS. F. B. CARROLL, Director of Smith-Carroll Hall

ARDENIA CHAPMAN, Director of Lowry and Capps Halls

FACULTY COMMITTEES

Faculty Council—Bralley, White, Humphries, Turrentine, Hefley, King, Birge, Clark, Ellison, Alexander, Judd, Gleason, Herrick, Moore, Nind, Kendrick, Adkisson, J. Smith, Manning, Douglass, Meyer, S. Best, Chapman, Donoho, Walker, Schroeder, Leake.

Executive Committee of Faculty Council—Bralley, Hefley, Humphries, Turrentine, White.

Faculty Advisers—Alexander, Bailey, Birge, Bray, Brodie, Clark, Craddock, Davis, Douglass, Ellison, Farrington, Fink, Gleason, George, Hendrickson, Humphries, Hyre, Jackson, Judd, Kendrick, Mrs. King, Lacy, Leake, Lochhead, Long, Marshall, McElrath, McFarlane, McMahon, Moore, Morgan, Munson, Nind, Nygren, Olson, Overton, Owsley, Pearson, Prentiss, Romberg, Rosenberger, Shultz, G. Smith, J. Smith, Spearman, Swingle, Trevithick, Turrentine, Walker, Whitmore.

Entrance Examinations—Judd, Brodie, Clark, Olson, Jackson, Moore.

Curriculum—Adkisson, Ellison, Gleason, Judd, J. Humphries, Clark, Turrentine, White, W. King, Birge.

Recommendations for Positions—Turrentine, Hamilton, White, J. Humphries.

Student Entertainment—Hefley, Romberg, Whitmore.

Artists' Course—Judd, Walker, Allen, Hefley, J. Smith, Leake, Pearson.

Athletics—Kendrick, Cobb, Nind.

College Publications—McMahon, Jones, Manning, Pearson, Long.

Student Publications—Ellison, Donoho, Schroeder, Davis.

Annual Catalogue—White, Ellison, Hendrickson.

Advisory Committee on Student Finances—Romberg, Lochhead, McMahon.

Summer Session and Summer Normal—J. Humphries, Turrentine, White.

Advisory Extension Service—J. Humphries, Judd, Adkisson, Oliver.

Employment of Students—Hefley, Best, Douglass.

Library—Ellison, Morgan, Douglass.

Student Nominations—White, Ellison, Hefley.

Uniform Dress—Gleason, Hefley, Best, Chapman, McMahon, Davis, Mendenhall, Hyre, Alexander, Romberg.

Interscholastic Council—Judd, J. Smith, Nind, Donoho, Morgan.

The President is ex-officio a member of each committee.

COLLEGE OF INDUSTRIAL ARTS**Historical**

The College of Industrial Arts is the State college for women. It was created by an act of the Twenty-Seventh Legislature in April, 1901, and is maintained by legislative appropriations. A locating commission consisting of one person from each congressional district was directed by law to choose a location and in making the choice "to take into consideration the healthfulness, moral and social environment and influences, accessibility, and other facts and circumstances affecting the suitability of the site in question as a location." From a number of available places the commission in February, 1902, selected Denton as the place fulfilling all the required conditions. The college formally opened its doors to receive students on September 23, 1903.

**The Purpose and Scope of Its Work as Set Forth in the Law
Providing for Its Establishment**

The caption of the act creating and establishing the institution designates it as "The Texas Industrial Institute and College for the Education of White Girls of the State of Texas in the Arts and Sciences." Section 5 of the act is as follows:

"that the board of regents shall possess all the powers necessary to accomplish and carry out the provisions of this act, the establishment and maintenance of a first-class institute and college for the education of white girls in this State in the arts and sciences, at which such girls may acquire a

Literary education

together with a knowledge of

Kindergarten instruction;

also a knowledge of

Telegraphy, Stenography, and Photography;

also a knowledge of

Drawing, Painting, Designing, and Engraving
in their industrial application;

also a knowledge of general

Needle-work including dressmaking;

also a knowledge of

Bookkeeping;

also a thorough knowledge of

Scientific and practical cooking,

including a

Chemical study of food;

also a knowledge of

Practical housekeeping;

also a knowledge of

Trained nursing, caring for the sick;

also a knowledge of

The care and culture of children;

with such other practical industries as from time to time may be suggested by experience, or tend to promote the general object of said institute and college, to wit: fitting and preparing such girls for the practical industries of the age."

During the eighteen years since the College opened its doors to receive students, the College has had three presidents. Each president, together with his administrative force, has labored successfully to understand, and to work toward the accomplishment of, the fundamental ideas and ideals of the founders of the College, as those ideas and ideals were expressed in the law describing the purpose and scope of the College. As will be seen from the above quotation of the law, the founders of the College had in mind the character of institution which they were creating. They did not want the College to become a second-rate trade school on the one hand, or an old-line, classical university on the other hand. They therefore set forth in words incapable of double interpretation exactly the kind of College

desired and needed for the proper education and training of the girls of Texas.

The law provides for "the establishment and maintenance of a FIRST CLASS INDUSTRIAL INSTITUTE AND COLLEGE." These terms in themselves set forth in large but accurate outlines the kind of educational structure that was to be built. It was to be an institute, it was to be a college; it was to be an industrial institute and college, and it was to be first class.

An institute is an "organization for the promotion of learning, philosophy, art, science, or the like, as a society, academy, college, technical school, etc." The word "industrial" as used in the phrase quoted above added the manual and technical element. *College*, according to the best recognized definition and usage, is a term applied to an institution of higher learning. "In the universities the word *college* is usually given to the organization for instruction in the liberal arts and sciences, leading to the bachelor's degree, as distinguished from the graduate and professional schools." A careful study of this and of the remaining part of the definition of the word *college* reveals the fact that the term *college* is applicable to institutions of higher learning which confer the bachelor's degree, and is also correctly used to designate institutions of learning doing even still more advanced work than that leading to the bachelor's degree. In no way is it expressed or implied that the term college can be correctly applied to an educational institution doing only work of a lower grade than that leading to the bachelor's degree. The term "first-class" has a meaning in ordinary parlance of precisely what the words say, that is, first-class, belonging to the foremost group, above which there is no other group. The term "first-class" as applied to institutions of learning has also a technical meaning which is set forth and clearly defined by the Texas State Department of Education. Prior to 1901, the year of the establishment of the College of Industrial Arts, college rank-

ing had so far progressed as to make certain what the intention of the Legislature was when it took the precaution to designate the College of Industrial Arts as a college of the first-class. It is evident, then, that the founders had in mind that the College of Industrial Arts should be a college of the first-class with standard requirements for admission and for graduation, and that it should also be a technical school where girls, either with or without college entrance requirements, could receive industrial and vocational training.

And yet, to make doubly sure that the Legislature clearly establish its intent and purpose, the law proceeds to state in concrete terms and in detail the kinds of instruction and education which the College of Industrial Arts should and must provide. The law reads: "A first-class industrial institute and college for the education of white girls in this State in the arts and sciences, at which girls may acquire a literary education, together with a knowledge of kindergarten instruction; also a knowledge of telegraphy," &c, &c. Though it was intended that the College be an industrial institute, it was intended also that it be a college at which the girls of Texas could receive a literary education. It should be noted that the first item on the long list of kinds of instruction to be given by the College is *literary education*. It is evident that the founders realized that a literary education should form a basis for effective technical and special education; and on this point there is no difference of opinion among competent authorities. Entering heartily into the spirit of the law and at the same time also obeying implicitly the letter of the law, the College has added one after another of the various kinds of work specified in the law, as from time to time legislative appropriations have made it possible, and as the student enrollment has made it wise and practicable. There remain for future administration two tasks, namely, to keep up with the spirit and progress of the times, by adding "such other prac-

tical industries as from time to time may be suggested by experience," and to extend the material growth of the College so as to make it a physical possibility to take care of the increasing multitude of students who are to ask for admission at its doors.

At the present time the College is giving instruction and training in the following different kinds of work: literary work of the same quality as can be obtained in the best non-technical colleges of the first-class, including courses in English, languages, education, mathematics, biological science, physics, chemistry, home nursing, history, economics, sociology, library methods, and Bible; household art—including scientific and practical cooking, a chemical study of foods, general needle-work, dress-making, millinery, and practical house-keeping, together with resident experience in the demonstration cottages; fine and applied art—including drawing, painting, designing, interior decoration, costume design, pottery, photography, book-binding, illustrating, and commercial advertising; manual arts—including woodworking, metal work, basketry, house-planning, mechanical drawing, silver-smithing, handicraft, economics of wood and wood-finish, and toy making; rural arts—including poultry husbandry, meat curing, canning and preserving, horticulture, floriculture, dairying, landscape gardening, agriculture, together with practical experience in the greenhouse, flower garden, and fruit orchard; piano, voice, violin, and public school music; reading or expression; commercial arts—including typewriting, stenography, bookkeeping, telegraphy and photography; teacher-training in vocational home economics as provided for in the Smith-Hughes law; physical training and health—including nursing and caring for the sick; vocational guidance given by faculty advisers and the vocational counselor; extension service; kindergarten and child study—including the application of child study principles by observing and working with the children, also including care and culture of children.

The College of Industrial Arts believes, and during the twenty years of its existence has expressed its belief in terms of service, that the best education a woman can have to fit her for the practical industries of the age is an education based on a right combination of literary and industrial training. It believes that what would be a right combination for one student would probably not be the right combination for another student. It has therefore sought throughout the years to mould the curriculum to the needs of the individual students. There are certain fundamentals in literary work and in industrial work that every woman is better off for having, for the life work of home-making will forever remain the most important vocation for women. It has been a constant attempt to give an education that will fit the women for the practical industries of the age, that is, an education that will produce the most valuable results when applied to the everyday concerns of everyday life, and that will at the same time give mental discipline, social culture, industrial efficiency, and spiritual vision and outlook. Years of experience have demonstrated that the College of Industrial Arts gives a literary and industrial education that stands the test and meets every demand of the present, progressive civilization.

The College of Industrial Arts observes the standards of the best colleges of the country. Its work, both literary and technical, is given recognition by the leading colleges. The College is a member of the following organizations of higher institutions: Association of Texas Colleges, Association of American Colleges, American Council on Education.

Government

The government of the College is vested in a Board of Regents consisting of six members nominated by the Governor, and appointed by and with the advice and consent of the Senate. The President of the College is charged with the direct responsibility of administering the policies of the

Board, and to him and the Faculty are delegated the immediate regulation and direction of the affairs of the College.

Location

The town of Denton, in which the College is situated, is surrounded by a prosperous agricultural region. It is in a healthful location and is supplied with pure artesian water. It has electric lights, sewerage, and natural gas. Denton is within thirty-five miles of Fort Worth and about the same distance from Dallas, and is reached by the Missouri, Kansas & Texas and the Texas & Pacific railways. The town has a population of about 9,000. Its citizens co-operate with the various activities and ambitions of the College, and the town as a whole is characterized by its moral and religious atmosphere, its culture and intellectual standards, and its hearty public spirit and civic progressiveness.

BUILDINGS

The College campus of seventy-five acres occupies a commanding and attractive site. A twenty-five acre park forms the approach to the main group of buildings. The College buildings are substantial, modern, and well-equipped.

Instructional Buildings

The Administration Building is an imposing four-story building of uniform colored brick, containing seventy-eight class rooms and offices. This building contains also the College library, the U. S. postoffice, the College bank, the general supply rooms, and the lecture and laboratory rooms.

The Household Arts Building contains classrooms and offices, the laboratories in woodworking, metal working, basketry, mechanical drawing, house planning, and linotype. In addition, this building contains the College Cafeteria, classrooms and laboratories for the kindergarten training

school, and the classrooms for public school music and orchestral music.

The Rural Arts Building is a one-story structure erected in 1920 for the classes in rural arts, including landscape gardening, poultry raising, horticulture, dairying, and rural leadership. The building is given over entirely to classes that have intimate relation to farm life. Adjoining this building is the College greenhouse.

Five temporary buildings, located on the campus near the other instructional buildings, are used for conducting classes in reading and photography and for practice rooms in music.

The Gymnasium Building, costing \$170,000, is a modern fireproof building containing commodious rooms for classes in physical training and for games. There is a large swimming pool with its water kept pure by the use of a violet ray.

The Music Hall and Auditorium, costing \$150,000, with seating capacity of 2,500, has also studios in which private instruction is given in piano, voice, and violin.

Dormitories

Brackenridge Hall has seventy-three rooms that accommodate one hundred students. Lowry Hall contains eighty-four rooms that accommodate one hundred and eighty students. Capps Hall contains seventy-two rooms that accommodate one hundred and fifty-nine students. Oakland Hall contains twenty-two rooms that accommodate thirty-six students. Stoddard Hall contains eighty-four rooms that give accommodation to one hundred and eighty-one students.

Smith-Carroll Hall, owned and controlled by the Woman's Board of the M. E. Church, South, although not owned by the College, is conducted strictly according to the regulations and standards of conduct of the College. This building contains twenty-five rooms that accommodate fifty-eight students.

The College has rented four modern, well-built houses

which are occupied by seniors, and are known as Senior Houses. They are under college supervision.

The dormitory cuisine of Lowry Hall, as well as that of Brackenridge Hall, is under the direction of a graduate dietitian who uses only the best foodstuffs and in balanced proportions.

Other Buildings

There are two practice cottages, the Ellen H. Richards Cottage and the Mary M. Bralley Cottage, in which the students are taught how to adapt themselves most efficiently to simple home conditions based upon a moderate income.

Hygeia Hall, the College hospital, is a two-story frame building that contains nine rooms. It serves the double purpose of taking care of the sick and for a demonstration laboratory for the classes in home nursing. A woman physician and a trained nurse, both of whom reside in Hygeia Hall, look after the health of the students. The College holds a very extraordinary record in regard to the health and physical well-being of its students.

The College owns and operates a well equipped and modern laundry. The building with its equipment is valued at \$37,000. For further information concerning the College Laundry, see page 234.

LABORATORY EQUIPMENT

The Department of Household Arts has six food laboratories, two laundry laboratories, and seven clothing laboratories, all splendidly equipped. Several new classrooms and laboratories have been recently provided. In addition, the practice cottages and the College Cafeteria serve as practical laboratories to supplement the courses in household arts. These laboratories accommodate approximately nine hundred students who receive instruction in home economics during each quarter of the college year.

The biology laboratories are well constructed and sub-

stantially equipped with all necessary modern apparatus. They include the laboratories of bacteriology, botany, nature study, physiology, and zoology. The location of the campus on the edge of the "Cross Timbers" with its characteristic gravel formations, and the "prairie," with its black, waxy soil, offers easy access to a varied fauna and flora of unusual interest.

The Department of Fine and Applied Art is equipped with seven large well-lighted studios. For the drawing and painting classes there is a good collection of casts, draperies, and still life. For the china painting there is a banding wheel, a well-worked kiln, and a muffler for firing glass. For bookbinding there is all the equipment necessary for the regular problems of the professionally bound book in leather, designed in gold and blind tooling. The pottery and modeling studios are equipped with casts of low relief and animals in the round, one large and twenty-four small modeling stands, a gas hot plate, an electric wheel, and a large pottery kiln. For illustrative material in costume design, interior decoration, and design, there is a collection of well-chosen textiles, Japanese prints and photography. In the library are many books dealing with the history and also with the various theories of art and decoration. The best fashion magazines and standard art magazines are at the disposal of all students.

The Department of Rural Arts has a new building, a model greenhouse, a seven acre plot set aside for horticulture, appliances for incubation and brooding, over three hundred fowls with which to carry on feeding and breeding experiments, a reinforced concrete milking barn with all modern conveniences to accommodate forty-four cows, an electric tester, separator, churn, and other appliances for butter and cottage-cheese making.

The Department of Manual Arts is thoroughly equipped. It has a woodworking laboratory, a machine room, a metal room, a linotype and printing room, a mechanical drawing

room, all thoroughly equipped with the latest mechanical devices.

The freshman Chemistry laboratory is furnished with forty desks, and will accommodate two hundred students working in five sections. The work in organic, physiological, and analytical chemistry is carried on in another laboratory on the same floor. This laboratory will accommodate one hundred and eight students working in three sections. Both laboratories are equipped with modern desks and all apparatus necessary for thorough courses in chemistry.

The physics laboratories are equipped for teaching physics, photography, and telegraphy. The lecture room, equipped with all forms of projection apparatus, may be used for optical and projection experiments. The two physics laboratories are equipped with twelve large work desks, each desk being supplied with electricity and gas. There are two photo-developing rooms and a large skylight room for the use of students of photography.

The Kindergarten room is the play and work room for thirty children and the laboratory for practice teaching by students, and for the observation of children's instincts by the students in the course in Child Study. The room is tastefully decorated and furnished with especially designed tables and chairs for children and adults. It is well stocked with the usual type of play material for kindergarten.

REQUIREMENTS FOR ADMISSION

General

An applicant for admission to the College of Industrial Arts must have attained the age of sixteen years and must be of good moral character.

Time to Enter

The college year is divided into four quarters or terms, fall, winter, spring, and summer, and students may enter at any time. It is advisable, however, to enter at the opening of the fall quarter (September 17, 1923), or at least at the beginning of one of the regular quarters. (See Calendar page 4.) The summer quarter is divided into two terms. (See Summer School Announcement, page 237.)

Application for Admission

All persons who desire to enter any department of the College should make application to the Registrar as early as possible before the opening of the first quarter, September 17, 1923.

Those who desire to be admitted by diploma from high school should make application as soon as possible after their graduation. (See Modes of Admission, page 37. All applicants are expected to have blank B, page 268, filled out by the proper high school authority, and to file it with the Registrar in advance of entrance, and an applicant cannot be accepted until this information is filed. Early attention to this matter will save the applicant much delay and embarrassment at the opening of the session.

Requirements for Admission to Freshman Standing

Note: An admission unit in any subject implies thirty-six (36) weeks of high school work in that subject, each week comprising the equivalent of five forty-five-minute

periods. In other words, an admission unit is interpreted to be the equivalent of one hundred eighty (180) recitation periods of forty-five minutes each. A ninety-minute period of laboratory work is considered equivalent to a forty-five-minute recitation period.

The standing of each high school in the State, as far as the affiliation of high school work is concerned, is determined by the State Department of Education. In other words, the question of whether or not the several subjects in a high school meet standard requirements is one that is referred to the State Department of Education, and the recommendation of the State Department of Education with respect to high school affiliation is followed without exception.

The standard of admission to freshman standing is fifteen (15) units of high school work, as follows:

Admission Requirements

Prescribed:	
English	3 units
Algebra	2 units
Plane Geometry	1 unit
History and Civics	2 units
Language or Natural Science	2 units
Elective	5 units
<hr/>	
Total	15 units

Note: A candidate for the B. A. degree must present two admission units in foreign language, or offer in lieu thereof nine (9) additional hours in foreign language. (See page 46.)

The five elective units may be chosen from the following, which is a list of all high school subjects affiliated by the State Department of Education:

Agriculture, General.....	½ to 1 unit	Chemistry	1 unit
Agriculture, Vocational.....	1 to 3 units	Commercial Arithmetic	½ unit
Advanced Arithmetic	½ unit	Commercial Geography	½ unit
Ancient History	1 unit	Civics	½—1 unit
Algebra	2 units	Commercial Law	½ unit
American History	½ to 1 unit	Design	½—1 unit
Botany	1 unit	Domestic Art	½—2 units
Biology	1 unit	Domestic Science	½—2 units
Bookkeeping	1 to 1½ units	English	2—4 units
		Economics	½ unit

English History	$\frac{1}{2}$ —1 unit	Physiology and Hygiene.....	$\frac{1}{2}$ —1 unit
French	2—4 units	Public Speaking	$\frac{1}{2}$ —1 unit
German	2—4 units	Psychology	$\frac{1}{2}$ unit
General Science	1 unit	Spanish	2—4 units
Hygiene and Home Nursing.....	$\frac{1}{2}$ unit	Solid Geometry	$\frac{1}{2}$ unit
Latin	2—4 units	School Management	$\frac{1}{2}$ unit
Mechanical Drawing ...	$\frac{1}{2}$ —4 units	Sociology	$\frac{1}{2}$ unit
Modern History	1 unit	Stenography and Typewrit- ing	1—2 units
Music	1—4 units	Shop Work	$\frac{1}{2}$ —4 units
Occupations	$\frac{1}{2}$ unit	Trigonometry	$\frac{1}{2}$ unit
Plane Geometry	1 unit	Typewriting	$\frac{1}{2}$ unit
Physiography	$\frac{1}{2}$ unit	Zoology	1 unit
Physics	1 unit		

Note: Students who take admission examinations at the College may not be granted more than one entrance unit each in Agriculture, (including General Agriculture, Animal Production and Plant Production), Domestic Art, Domestic Science, Music, Shop Work, or one-half unit in Mechanical Drawing. Examinations will not be offered in Economics, Sociology, Psychology, School Management, Home Nursing, Public Speaking or Expression. A student who obtains, by examination, one unit in Agriculture, Domestic Science, Domestic Art, or any of the natural sciences is required to present a certified notebook indicating satisfactory laboratory work.

MODES OF ADMISSION

The requirements for admission to freshman standing in the College may be met in five different ways: (1) by diploma; (2) by a State teacher's certificate; (3) by certificate from the Demonstration High School of the College; (4) by examination; (5) by individual approval.

(1) By Diploma

A graduate of a high school is credited as recommended by the State Department of Education. (See Admission Requirements, page 36.)

If the number of admission units offered by the applicant is less than fifteen (15), the deficiency must be made up by examination or by extra work.

An applicant will not be given credit on her high school work until she has been graduated from the high school. (For admission on individual approval see page 39; for admission to the Demonstration High School, see page 146.)

(2) By State Teacher's Certificate

An applicant who holds a first grade State teacher's certificate or a high school certificate of the second class, based on examination, will receive credit for not more than eight and one-half units to be determined by the subjects taken in examination for the certificate; an applicant who holds a permanent State teacher's certificate will receive credit for not more than thirteen units to be determined by the subjects taken in examination for the certificate. Additional units required for freshman standing may be met by examinations. (See page 38.)

(3) By Certificate from the Demonstration High School of the College

A student who satisfactorily completes the college admission requirements in the Demonstration High School of the College is admitted to freshman standing without examination. (See Admission Requirements, page 36; also Demonstration High School, page 146.)

(4) By Examination

The requirements for admission to freshman standing may be met by examination. A list of subjects from which admission credits may be offered is found on page 36 of this catalogue. For a description of the scope of work covered by entrance examinations in the various subjects, students should consult the course of study for the public schools of Texas, issued by the State Department of Education, since the admission examinations conform to the textbooks used in the public schools.

Students desiring to enter the College by examination should take the uniform college examinations prepared by the high school supervisors of the State Department of Education. These examinations are held at the various high schools of the State during the month of May in each year.

Students desiring to take these examinations should request their superintendent or principal to make the necessary arrangements with the State Department of Education. Students who are unable to take the uniform college entrance examinations in May are offered an opportunity of taking the admission examinations at the College in September before the opening of the session. See calendar, page 4.

(5) By Individual Approval

At the discretion of the Dean of the College, an applicant for admission over twenty-one years of age may be admitted as an irregular student to the college courses without examination. She must show evidence that she has substantially covered the work represented by the number of admission units required of other applicants, and has sufficient ability and seriousness of purpose to do the work desired with profit to herself and satisfaction to her instructors. Inability or failure to do the work shall be sufficient cause for the withdrawal of such classification by the Dean of the College.

A student who is admitted on individual approval and who at a later time becomes a candidate for a diploma or a degree must, in addition to meeting the requirements for the diploma or degree, satisfy the admission requirements set forth on page 36. In meeting the admission requirements, the following should be observed:

(1) Completion of English 110-120-130 with satisfactory grades entitles the student to three (3) admission units in English.

(2) Completion of nine (9) hours in freshman mathematics entitles the student to three (3) admission units in mathematics.

(3) Completion of a course in language entitles the student to credit in language below that course, which may be

applied toward admission, six hours of college credit being considered the equivalent of one admission unit.

(4) A student admitted on individual approval may use college credits in history in absolving the admission requirements in history.

(5) A student admitted on individual approval may use college credits in absolving the elective admission requirements.

(6) A student admitted on individual approval is given credit for the five (5) elective units of admission, provided that an average grade of C or higher is made on the first forty-five (45) hours of college work, exclusive of courses in English, mathematics, and language.

(7) A student admitted on individual approval must, before applying for a teacher's certificate based upon one year or two years of college work, show that she has satisfied a minimum of thirteen (13) admission units.

(8) A student admitted on individual approval must absolve the requisite number of admission units before classification as a freshman, sophomore, junior, or senior. (See page 41.)

(9) The requirements herein set forth are applicable to all students after September, 1923.

Conditional Admission

Any high school graduate who presents a minimum of three admission units in English and ten other admission units, making a total of thirteen, is admitted to freshman standing on condition, provided that she is not deficient in more than two prescribed units. Likewise, any applicant who obtains by examination a minimum of three admission units in English and ten other admission units, making a total of thirteen, is admitted to freshman standing on condition, provided that she is not deficient in more than two prescribed units. The holder of a permanent teacher's certificate obtained by examination is given conditional admission

to freshman standing with thirteen admission credits. Any deficiencies in the units prescribed for admission must be removed by examination within one year after the student enters College. Deficiencies in units that are not prescribed may be removed by taking examinations at any time for regular examinations within the first year, or such conditions may be removed by taking extra work in the College, six hours of college credit being regarded as the equivalent of one admission unit. Subjects used to absolve admission requirements do not count toward a degree. If a student does not satisfy her specified admission conditions within one year after admission, she must present one additional admission unit for each year that the condition remains unsatisfied, and conditions may not be removed by taking admission examinations later than one year after admission.

ADMISSION TO ADVANCED STANDING

Standard Colleges and Universities

Students from other colleges and universities of recognized standing, who have pursued standard college courses equivalent to those of the College of Industrial Arts, are admitted and receive credit for such courses upon presenting the following credentials:

- (1) Honorable dismissal from the institution last attended.
- (2) An official transcript of all the work done in institutions previously attended, also covering admission requirements as listed on page 36.
- (3) A marked catalogue showing the courses referred to in the transcript.

Advanced standing is determined on a basis of the college hours allowed for courses by the College of Industrial Arts for work of equivalent character and amount successfully completed. Credits offered can be specified only after exam-

ination of the work done in each individual case, and unspecified credits count towards degrees as elective courses, but do not satisfy the requirements of specific, technical, prescribed subjects except when the work corresponds, in character and advancement, substantially to the courses outlined in the College curriculum. Personal consultation with the applicant is required where the credentials are not sufficiently definite.

Students intending to transfer their college credits to the College of Industrial Arts should send their credentials to the Registrar as early as possible. (See resident requirements for degrees, page 74.)

Admission to Non-Credit Courses

For details concerning the admission of students to the Vocational courses, see page 67; to the courses of the Demonstration High School, see page 146.

CLASSIFICATION OF STUDENTS

College Students

Regular students are classified on the basis of credits which may be applied toward graduation and on the character of courses being carried by the student at the time of classification. This classification is made for all students at the beginning of the fall, winter, and summer quarters. A student meeting senior requirements may receive such classification at the beginning of any quarter.

Regular students are those who have absolved at least thirteen (13) admission units that may be applied to college entrance (see page 36), and who carry at least twelve (12) hours that may be applied, either as prescribed or elective courses, in a group leading to graduation. Regular students are classified as freshman, sophomore, junior, and senior.

By a freshman is meant a student who has absolved at least thirteen (13) admission units to the College, desig-

nated on page 36, who is carrying at least twelve (12) hours that may be applied toward graduation, and who has less than forty-five (45) hours of credit in a group of courses leading to graduation.

By a sophomore is meant a student who has absolved all admission requirements to the College, who has at least forty-five (45) hours and less than ninety (90) hours of credit that may be applied toward graduation, including at least fourteen (14) grade points, and who is carrying at least twelve (12) hours in a group leading to graduation.

By a junior is meant a student below senior classification who has absolved all admission requirements to the College, who has at least ninety (90) hours that may be applied toward graduation, including at least twenty-eight (28) grade points, and who is carrying at least twelve (12) hours in a group leading to graduation.

By a senior is meant a student whose credits are sufficient and whose courses are so planned that the completion of three quarters of work will entitle her to receive a bachelor's degree.

Irregular students are those who have absolved at least thirteen (13) admission units to the College and who are carrying less than twelve (12) hours leading to graduation. Irregular students comprise the following groups: (1) all students having at least thirteen (13) entrance units and carrying less than twelve (12) hours that may be applied toward graduation; (2) all students having at least thirteen (13) admission units and carrying less than twelve (12) hours. (Exception is made to seniors who may graduate by carrying less than twelve (12) hours; (3) all students admitted on individual approval (see page 39) until entrance requirements are met in full. The taking of irregular work is intended primarily for adults whose time and opportunities are limited to such an extent as to render impracticable the taking of a regular group of courses. The College does not encourage young and immature students to sub-

stitute haphazard optional work for the thorough, systematic work of the regular groups of courses.

Other Students

A vocational student is one below college rank who is permitted to enter one of the vocational groups described on page 185. A student of the Demonstration High School is one whose qualifications are set forth on page 146 of this catalogue.

DEGREES, DIPLOMAS, CERTIFICATES OF PROFICIENCY, AND TEACHERS' CERTIFICATES

Groups of Courses

In order to give the students of college grade an opportunity to specialize in some recognized field of educational activity, many groups of courses have been outlined. The groups of courses conform, in their content and scope, to recognized college standards. It is the aim to require specialization through the definitely prescribed courses in each group; at the same time the student's individuality is given an opportunity to assert itself in the large number of subjects in which the student may specialize and in the liberal number of electives provided in each group of courses after the subjects of specialization are chosen. The names of the required and elective subjects composing each group are indicated on pages 47 to 66. Courses are designated by numbers, and a detailed description of each course is given under the department offering the course. For description of courses by departments see pages 77 to 184.

While the greater part of the courses enumerated in each group is designated for general culture and special fitness for the duties of home life, the specific purpose of each is designated in the title and the courses composing the group, as well as by the brief statements preceding the list of courses that constitute the several groups. The various subjects composing each group are definitely correlated, making the apparently large number of subjects related parts of a single line of work.

Major Subjects and Minor Subjects

In addition to the courses that are generally required in all groups leading to degrees, the student is required to choose a major subject and also a minor subject. In many groups of courses the major subjects are designated. When-

ever these terms are used without reference to courses that are specified, it is understood that major subjects and minor subjects may be chosen in English, education, a foreign language, history, mathematics, physical science and biological science. A minor subject may also be chosen in economics or sociology.

If English is offered as a major subject or minor subject, credits in journalism in excess of nine (9) hours may be offered as credits in English.

A major or minor may be taken in history, but no combination of history with economics or sociology is permitted. A minor may be taken in economics or in sociology, or in economics and sociology. A student may offer history as a major, and economics, or sociology, or economics and sociology as a minor. If a student does not offer history as a major, two minors may be offered in the following subjects: history, economics, sociology, economics and sociology.

If a foreign language is offered as a major subject, at least thirty-six (36) hours in addition to two admission units in the same language are required. If no admission units are offered in a foreign language, at least forty-five (45) hours in the same language are required to offer foreign language as a major subject. If foreign language is offered as a minor subject, at least twenty-seven (27) hours in addition to two admission units in the same language are required. If no admission units are offered in a foreign language, at least thirty-six (36) hours in the same language are required to offer foreign language as a minor subject.

If the major is in physical science, at least twenty-seven (27) hours are required in physics (or chemistry) and nine (9) hours in chemistry (or physics). In case chemistry is offered as a major subject, nine (9) hours of physics are also required. If the minor is in physical science, eighteen (18) hours are required in physics (or chemistry) and nine (9) hours in chemistry (or physics). Or, nine (9) hours in

physics and eighteen (18) hours in photography may be offered as a minor in physical science.

If the major is in biological science, not less than twenty-seven (27) hours are required in botany, bacteriology, or zoology (including physiology). If a minor is in biological science, not less than eighteen (18) hours are required in botany, bacteriology, or zoology (including physiology).

A student should determine the major subject not later than the beginning of the junior year. At this time the director of the department in which the major work is being done will be assigned as the student's faculty adviser.

Credit Hours Required for Degrees

By a college credit of one hour is meant twelve (12) hours of lecture or recitation work in a given subject, or the equivalent of twelve (12) hours in lecture or recitation and laboratory work combined. Most classes of the College meet three times a week for twelve weeks, and are therefore given a credit of three hours for the quarter. A student who presents fifteen admission units to the College, including those designated on page 36, who satisfactorily completes one hundred and eighty-six (186) hours of college credit, including the prescribed work of a group of courses, and who makes at least sixty-two (62) grade-points, is awarded the bachelor's degree. For further information, see the groups listed below. The degrees conferred by the College are Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Music, and Bachelor of Literary Interpretation.

Note: Students who pursue a group of courses leading to a degree of bachelor of science, and who expect to do graduate work should present two admission units and nine (9) hours of college credit in a foreign language.

Degree of Bachelor of Arts

- (1) Time required—Four years.
- (2) Aims—To give a general cultural course and to pro-

vide for the selection of a major subject and two minor subjects to be chosen in English, education, a foreign language, history and social science, mathematics, physical science, or biological science.

(3) Required courses—Economics 310-320-330 or Sociology 310-320-330, English 110-120-130, English 210-220-230, Government 230, History 210-220-230 or History 211-221-231 or History 212-222-232, Language (French, German, Spanish, or Latin) eighteen (18) hours, Mathematics 110 or 111, Mathematics 120-130, Philosophy six (6) hours (selected from Philosophy 321, Philosophy 322, Philosophy 323, and Philosophy 414), Science eighteen (18) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a major subject, two minor subjects (see page 46, and electives sufficient to make a total of one hundred and eighty-six (186) hours. Selection of the major subject should be made not later than the end of the sophomore year, and selection of the minor subjects should be made not later than the end of the junior year. The department in which the major subject is selected will act in an advisory capacity to the student in determining the major and minor subjects. Not more than eighteen (18) hours may be presented in a department other than those in which major and minor subjects may be chosen, except in the Department of Physical Education where the maximum of eighteen (18) hours may be chosen in addition to Physical Training 110a-120a-130a and Physical Training 210a-220a-230a.

Note: In addition to the foreign language requirements set forth above, a candidate for the degree of Bachelor of Arts is required to offer two admission units in a foreign language or to make up this deficiency before classification as a sophomore. If a student offers no foreign language for admission, twenty-seven (27) hours in the same language are required. If two admission units in a modern language are offered, the candidate must offer eighteen (18) hours of college work in the same language; if two admission units

are offered in Latin or Greek, the candidate may offer eighteen (18) hours of another language. For major and minor subjects in foreign languages, see page 46.

Degree of Bachelor of Science

I. Home Economics Group, General Home Economics.

(1) Time required—Four years.

(2) Aims—To prepare for all phases of homemaking.

(3) Required courses—Bacteriology 210-220, Chemistry 110d-120d-130d, Chemistry 212-222-232, Child Study 310, Clothing 130, Clothing 210-220, Clothing 312, Clothing 326, Costume Design 210, Design 125, Economics 310-320-330 or Sociology 310-320-330, Economic Problems of the Home 410, English 110-120-130, English 210-220-230, Foods 110-120-130, Foods 210-220, Foods 310-320-330, Health and Hygiene 230, History 210-220-230 or History 211-221-231 or History 212-222-232, Home Management 230, Home Management 330, House Plans 410, Interior Decoration 210, Laundering 220, Physics 310-320, Physiology 215-225, Rural Arts three (3) hours, Textiles 110, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in home economics does not exceed seventy-two (72) hours.

Note: Students who elect this group may meet the academic requirements of the Smith-Hughes Law for teaching home economics by electing the following courses: Clothing 310, Economics 330, Education 210-220-230, Education 435, Education 430, Education 415, Government 230, Textiles 212. Foods 430 or Foods 331, may be substituted for Foods 330. The securing, however, of a vocational certificate permitting one to teach in Vocational Home Economics Schools depends upon the regulations made from time to time by the State Vocational Board.

II. Home Economics Group, Major in Foods.

(1) Time required—Four years.

(2) Aims—To prepare for all phases of homemaking and to provide for an intensive study of foods.

(3) Required courses — Bacteriology 210-220, Chemistry 110d-120d-130d, Chemistry 212-222-232, Chemistry 310-320, Child Study 310, Clothing 130, Clothing 210-220, Design 125, Economics 310-320-330 or Sociology 310-320-330, Economic Problems of the Home 410, English 110-120-130, English 210-220-230, Foods 110-120-130, Foods 210-220, Foods 310-320-330, History 210-220-230 or History 211-221-231 or History 212-222-232, Home Management 230, Home Management 330, House Plans 410, Interior Decoration 210, Laundering 220, Physics 310-320-330, Physiology 215-225, Rural Arts three (3) hours, Textiles 110, six (6) hours chosen from Foods 410-420, Foods 411-421-431, Foods 412-422, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in home economics does not exceed seventy-two (72) hours.

Note: Students who elect this group may meet the academic requirements of the Smith-Hughes law for teaching foods and related work by electing the following additional courses: Economics 330, Education 210-220-230, Education 415, Education 430, Education 435, Government 230, Health and Hygiene 230. The securing, however, of a vocational certificate permitting one to teach in Vocational Home Economics Schools depends upon the regulations made from time to time by the State Vocational Board.

III. Home Economics Group, Major in Textiles and Clothing.

(1) Time required—Four years.

(2) Aims—To prepare for all phases of homemaking and to provide for an intensive study of clothing.

(3) Required courses—Bacteriology 210-220-230 or Phy-

siology 210-220-230, Chemistry 110d-120d-130d, Child Study 310, Clothing 130, Clothing 210-220, Clothing 310-320, Clothing 326, Costume Design 210, Design 125, Economics 310-320-330 or Sociology 310-320-330, Economic Problems of the Home 410, English 110-120-130, English 210-220-230, Food 110-120-130, Foods 210-220, History 210-220-230 or History 211-221-231 or History 212-222-232, Home Management 230, Home Management 330, House Plans 410, Interior Decoration 210, Laundering 220, Rural Arts three (3) hours, Textiles 110, Textiles 212, nine (9) additional hours chosen from biological science, English, fine and applied art, foreign language, history, mathematics, or physical science, six (6) additional advanced hours in technical home economics, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred and eighty-six (186) hours, provided the amount of technical work in home economics does not exceed seventy-two (72) hours.

Note: Students who elect this group may meet the requirements of the Smith-Hughes law for teaching textiles and clothing and related work by electing the following courses: Bacteriology 210-220, Clothing 312, Economics 330, Education 210-220-230, Education 415, Education 430, Education 435, Government 230, Health and Hygiene 230. The securing, however, of a vocational certificate permitting one to teach in Vocational Home Economics Schools depends upon the regulations made from time to time by the State Vocational Board.

IV. Home Demonstration Group.

- (1) Time required—Four years.
- (2) Aims—To prepare Home Demonstration Agents for extension work.
- (3) Required courses—Bacteriology 210-220, Chemistry 110d-120d-130d, Chemistry 212-222-232, Clothing 130, Clothing 210-220, Costume Design 210, Dairying 310-320, Design 125, Economics 310-320-330 or Sociology

310-320-330, English 110-120-130, English 210-220-230, Floriculture 315-325-335 or Landscape Art 311-321-421, Foods 110-120-130, Foods 210-220, Foods 231, Health and Hygiene 230, History 210-220-230 or History 211-221-231 or History 212-222-232, Horticulture 310-320-330, Interior Decoration 210, Laundering 220, Physics 310-320, Poultry 110-120-130, Public Speaking 210a-220a-230a, Rural Leadership 321, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and sufficient electives to make a total of one hundred eighty-six (186) hours, provided that the amount of work in Home Economics and Rural Arts together does not exceed ninety (90) hours.

V. Industrial Pathological Group.

- (1) Time required—Four years.
- (2) Aims—To prepare for pathological work as a vocation.
- (3) Required courses—Bacteriology 210-220-230, Bacteriology 310-320-330, Botany and Zoology, twenty-seven (27) hours, Chemistry 110d-120d-130d, Chemistry 210-220-230, Chemistry 211-221-231, Chemistry 310-320-330, Chemistry 311-321-331, Economics 310-320-330, English 110-120-130, English 210-220-230, History 210-220-230 or History 211-221-231 or History 212-222-232, Mathematics 110 or 111, Mathematics 120-130, Physics 110-120-130, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and electives sufficient to make a total of one hundred eighty-six (186) hours.

VI. Industrial Chemistry Group.

- (1.) Time required—Four years.
- (2) Aims—To prepare for industrial chemistry as a vocation.
- (3) Required courses—Bacteriology 210-220-230, Botany or Zoology nine (9) hours, Chemistry 110d-120d-130d, Chemistry 210-220-230, Chemistry 211-221-231, Chemistry 311-321-331, Industrial Chemistry nine (9) hours to twenty-

seven (27) hours, Economics 310-320-330, English 110-120-130, English 210-220-230, History 210-220-230 or History 211-221-231 or History 212-222-232, Mathematics 110 or 111, Mathematics 120-130, Physics 110-120-130, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and electives sufficient to make a total of one hundred eighty-six (186) hours.

VII. Fine and Applied Art Group, Major in Commercial Advertising.

(1) Time required—Four years.

(2) Aims—To give general training in various branches of art and to provide for an intensive study of commercial advertising.

(3) Required courses—Commercial Advertising 210-220-230, Commercial Advertising 310-320-330, Commercial Advertising 410-420, Design 110-120-130, Drawing 110-120-130, English 110-120-130, English 210-220-230, Economics 310-320-330 or Sociology 310-320-330 or Language nine (9) hours, History 211-221-231, History of Art 310-320-330, Life Drawing 310-320-330, Mechanical Drawing 211, Painting 210-220-230, Science nine (9) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Fine and Applied Art does not exceed ninety (90) hours.

VIII. Fine and Applied Art Group, Major in Costume Design.

(1) Time required—Four years.

(2) Aims—To give general training in the various branches of art, and to provide for an intensive study of costume design.

(3) Required courses—Commercial Advertising 210-220, Costume Design 210-220-230, Costume Design 310-320-330, Costume Design 410-420-430, Design 110-120-130,

Drawing 110-120-130, Economics 310-320-330 or Sociology 310-320-330 or Language nine (9) hours, English 110-120-130, English 210-220-230, History 211-221-231, History of Art 310-320-330, Life Drawing 310-320-330, Mechanical Drawing 211, Science nine (9) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Fine and Applied Art does not exceed ninety (90) hours.

IX. Fine and Applied Art Group, Major in Applied Design.

(1) Time required—Four years.

(2) Aims—To give general training in the various branches of art, and to provide for an intensive study of applied design.

(3) Required courses—Book Binding 210, China Painting 210-220, Costume Design 210, Design 110-120-130, Design 210-220-230, Design 310-320-330, Drawing 110-120-130, Economics 310-320-330 or Sociology 310-320-330 or Language nine (9) hours, English 110-120-130, English 210-220-230, History 211-221-231, History of Art 310-320-330, Interior Decoration 210, Mechanical Drawing 211, Modeling 110, Pottery 210-220, Science nine (9) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Fine and Applied Art does not exceed ninety (90) hours.

X. Fine and Applied Art Group, Major in Drawing and Painting.

(1) Time required—Four years.

(2) Aims—To give general training in the various branches of art and to provide an intensive study of drawing and painting.

(3) Required courses—Design 110-120-130, Design 210-

220-230, Drawing 110-120-130, Economics 310-320-330 or Sociology 310-320-330 or Language nine (9) hours, English 110-120-130, English 210-220-230, History 211-221-231, History of Art 310-320-330, Life Drawing 310-320-330, Mechanical Drawing 211, Modeling 110-120-130, Painting 210-220-230, Painting 410-420-430, Science nine (9) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Fine and Applied Art does not exceed ninety (90) hours.

XI. Fine and Applied Art Group, Major in Interior Decoration.

(1) Time required—Four years.

(2) Aims—To give general training in the various branches of art, and to provide an intensive study of interior decoration.

(3) Required courses—Design 110-120-130, Design 210, Drawing 110-120-130, Economics 310-320-330 or Sociology 310-320-330 or Language nine (9) hours, English 110-120-130, English 210-220-230, History 211-221-231, History of Art 310-320-330, Interior Decoration 210-220-230, Interior Decoration 310-320-330, Interior Decoration 410-420-430, Mechanical Drawing 211, Mechanical Drawing 210, Mechanical Drawing 220, Mechanical Drawing 230, Science nine (9) hours, Woodworking 115, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46, and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Fine and Applied Art does not exceed ninety (90) hours.

XII. Fine and Applied Art Group, Major in Art Education.

(1) Time required—Four years.

(2) Aims—To give general training in the various

branches of art, and to provide for the training of art teachers in the public schools.

(3) Required courses—Book Binding 210, Commercial Advertising 210-220, Costume Design 210, Design 110-120-130, Design 210-220-230, Drawing 110-120-130, Economics 310-320-330 or Sociology 310-320-330 or Language nine (9) hours, Education 210-220-230, Education 435, Education 430, English 110-120-130, English 210-220-230, History 211-221-231, History of Art 310-320-330, Interior Decoration 210, Mechanical Drawing 211, Modeling 110, Painting 210-220-230, Science nine (9) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Fine and Applied Art does not exceed ninety (90) hours.

XIII. Manual Arts Group, Major in Woodworking.

(1) Time required—Four years.

(2) Aims—To give training in manual arts and to provide an intensive study of woodworking.

(3) Required courses—Botany 220, Drawing 120, Design 110-120-130, Economics 310-320-330 or Sociology 310-320-330, English 110-120-130, English 210-220-230, History 210-220-230, or History 211-221-231 or History 212-222-232, Mathematics 110, Mathematics 113, Mechanical Drawing 120-130, Mechanical Drawing 210-220-230, Metal 111, Physics 110-120-130 or Chemistry 110d-120d-130d, Woodworking 110-120-130, Woodworking 210-220-230, Woodworking 310-320-330, Woodworking 410-420-430, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Manual Arts does not exceed eighty-one (81) hours.

XIV. Manual Arts Group, Major in Mechanical Drawing.

(1) Time required—Four years.

(2) Aims—To give general training in manual arts and provide for an intensive study of mechanical drawing.

(3) Required courses—Design 110-120-130, Drawing 120, Economics 310-320-330 or Sociology 310-320-330, English 110-120-130, English 210-220-230, History 210-220-230, or History 211-221-231 or History 212-222-232, Mathematics 110, Mathematics 111, Mathematics 113, Mechanical Drawing 120-130, Mechanical Drawing 210-220-230, Mechanical Drawing 310-320-330, Mechanical Drawing 410-420-430, Metal 111, Physics 110-120-130, Woodworking 110-120-130, Woodworking 210-220-230 or nine (9) hours of Drawing or of Design, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in manual arts does not exceed eighty-one (81) hours.

XV. Manual Arts Group, Major in Woodworking-Mechanical Drawing.

(1) Time required—Four years.

(2) To give general training in manual arts.

(3) Required courses—Design 110-120-130, Drawing 120, Economics 310-320-330 or Sociology 310-320-330, English 110-120-130, English 210-220-230, History 210-220-230, or History 211-221-231, or History 212-222-232, Mathematics 110, Mathematics 111, Mathematics 113, Mechanical Drawing 120-130, Mechanical Drawing 210-220-230, Mechanical Drawing 310-320-330 or Mechanical Drawing 410-420-430, Metal 111, Physics 110-120-130 or Chemistry 110d-120d-130d, Woodworking 110-120-130, Woodworking 210-220-230, Woodworking 310-320-330, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of

technical work in Manual Arts does not exceed eighty-one (81) hours.

XVI. Manual Arts Group, Major in Crafts.

(1) Time required—Four years.

(2) Aims—To give general training in manual arts and to provide an intensive study of the several crafts.

(3) Required courses—Basketry 311-321, Bookbinding 210, Chemistry 110d-120d-130d, Design 110-120-130, Drawing 120, Economics 310-320-330 or Sociology 310-320-330, English 110-120-130, English 210-220-230, History 210-220-230 or History 211-221-231 or History 212-222-232, Jewelry Design 237, Mechanical Drawing 120-130, Metal 110-120-130, Metal 210-220-230 or Jewelry 410-420-430, Physics 110-120-130, Pottery 210-220, Woodworking 110-120-130, Toy-making 230, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided the amount of technical work in Manual Arts does not exceed eighty-one (81) hours.

XVII. Manual Arts Group, Major in Linotyping.

(1) Time required—Four years.

(2) Aims—To give thorough training in the operation and care of linotype machines, and to train students to hold positions as machinist-operators.

(3) Required courses—Commercial Advertising 210-220-230, Design 110-120-130, English 110-120-130, English 210-220-230, Journalism 210-220-230, History 210-220-230 or History 211-221-231 or History 212-222-232, Sociology 310-320-330 or Economics 310-320-330, Physics 110-120-130, Physics 210-220-230, Linotyping 110a-120a-130a, Linotyping 110-120-130, Linotyping 210-220-230, Linotyping 310-320-330, Linotyping 410-420-430, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred and eighty-six (186) hours, provided the amount

of technical work in manual arts does not exceed seventy-two (72) hours.

XVIII. Rural Arts Group.

(1) Time required—Four years.

(2) Aims—To prepare for rural homemaking and rural community service.

(3) Required courses—Botany 110-120-130, Chemistry 110d-120d-130d, Clothing 115-125-135, Dairying 310-320-330, Economics 310-320-330, English 110-120-130, English 210-220-230, Floriculture 315-325-335 or Landscape 311-321-421, Foods 115-125-135, History 210-220-230, or History 211-221-231 or History 212-222-232, Home Management 230, Horticulture 111-121-131, Interior Decoration 210, Physics 310-320-330, Poultry 110-120-130, Public Speaking 210a-220a-230a, Rural Leadership 321, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject, (see page 46), and electives sufficient to make a total of one hundred and eighty-six (186) hours, provided that the amount of work in Home Economics and Rural Arts together does not exceed seventy-two (72) hours.

XIX. Physical Education Group.

(1) Time required—Four years.

(2) Aims—To prepare for the training of teachers and directors of physical education.

(3) Required courses—Economics 310-320-330 or Sociology 310-320-330, Education 210-220-230, Education 421, Education 435, Education 430, English 110-120-130, English 210-220-230, Government 230, Health and Hygiene 230, History 210-220-230 or History 211-221-231 or History 212-222-232, Music 111-121-131, Mythology 211, Physical Education 310-320-330, Physical Education 311, Physical Education 321-331, Physical Education 410-420-430, Physical Education 411, Physical Education 421, Physical Education 431, Physical Education 425, Physical Education 423, Physical Education 433, Physiology 210-220-230, Reading 231,

Zoology 110-120-130, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours.

Degree of Bachelor of Music

I. Piano Group.

(1) Time required—Four years.

(2) Aims—To give a thorough training in musical education, including appropriate literary subjects, and to provide for an intensive study in piano.

(3) Required courses—English 110-120-130, English 210-220-230, French 110-120-130 or German 110-120-130, French 210-220-230 or German 210-220-230, History of Art 310-320-330, Music 116b-126b-136b, Music 11-12-13, Music 110b-120b-130b, Music 111-121-131, Music 119b-129b-139b, Music 216-226-236, Music 210b-220b-230b, Music 211b-221b-231b, Music 316-326-336, Music 310b-320b-330b, Music 311a-321a-331a, Music 317, Music 416-426-436, Music 410b-420b-430b, Music 437a, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and electives sufficient to make a total of one hundred eighty-six (186) hours, provided not more than ninety (90) hours are in music.

(For two-year Teachers' Group, see page 64.)

II. Violin Group.

(1) Time required—Four years.

(2) Aims—To give a thorough training in musical education, including appropriate literary subjects, and to provide an intensive study in violin.

(3) Required courses—English 110-120-130, English 210-220-230, French 110-120-130 or German 110-120-130, French 210-220-230 or German 210-220-230, History of Art 310-320-330, Music 115b-125b-135b, Music 11-12-13, Music 110b-120b-130b, Music 111-121-131, Music 119b-129b-139b,

Music 215-225-235, Music 210b-220b-230b, Music 211b-221b-231b, Music 315-325-335, Music 310b-320b-330b, Music 311a-321a-331a, Music 317, Music 415-425-435, Music 410b-420b-430b, Music 437a, one hour a week in piano during each quarter of the junior and senior years, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and sufficient electives to make a total of one hundred eighty-six (186) hours, provided not more than ninety (90) hours are in music.

(For two-year Teachers' Group, see page 64.)

III. Voice Group.

(1) Time required—Four years.

(2) Aims—To give a thorough training in musical education, including appropriate literary subjects, and to provide for an intensive study in voice.

(3) Required courses—English 110-120-130, English 210-220-230, English 410-420-430, French 110-120-130, French 210-220-230, Music 112a-122a-132a, Music 114-124-134, Music 11-12-13, Music 110b-120b-130b, Music 111-121-131, Piano A111-A121-A131, Music 214-224-234, Music 210b-220b-230b, Piano A211-A221-A231, Music 314-324-334, Music 311a-321a-331a, Music 317, Piano A311-A321-A331, Music 414-424-434, Piano A411-A421, Music 437a, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and sufficient electives to make a total of one hundred eighty-six (186) hours, provided not more than ninety (90) hours are in music.

Degree of Bachelor of Literary Interpretation.

(1) Time required—Four years.

(2) Aims—To provide for a training that will enable students to interpret literary masterpieces, giving at the same time other related literary courses.

(3) Required courses—Debate 310b-320b-330b, Dramatic Art 210b-220b-230b, Dramatic Art 310b-320b-330b, English 110-120-130, English 210-220-230, English 311-321-

331, English 410-420-430, Expressive Voice 210a-220a-230a, Gesture 310a-320a-330a, History 210-220-230 or History 211-221-231 or History 212-222-232, History 314-324-334, Physical Expression 110-120-130, Reading 111-121-131, Reading 211-221-231, Reading 310-320-330, Reading 311a-321a-331a, Reading 410-420-430, Reading 411-421-431, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and sufficient electives to make a total of one hundred eighty-six (186) hours, provided that not more than ninety (90) hours may be counted in reading.

Degree of Bachelor of Business Administration

- (1) Time required—Four years.
- (2) Aims—To prepare students for secretarial work.
- (3) Required courses—Accounting 210-220-230, Business Law 310, Commercial Advertising 210-220, Commercial Organization 420, Economics 310-320-330, Economics 411-421-431, English 110-120-130, English 215-225-235, History 210-220-230, Library Methods 220, Money and Banking 320-330, Psychology of Business 310-320-330, Secretarial Duties 230, Shorthand 110-120-130, Shorthand 210-220, Shorthand 430, Statistics 410, Typewriting 110-120-130, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, a minor subject (see page 46), and sufficient electives to make a total of one hundred eighty-six (186) hours. (Should the student choose history as a minor subject, Economics 411-421-431 cannot be counted in meeting the requirements of history as a minor subject.)

Three-Year Vocational Groups Leading to Diplomas

In order to give the students of college grade an opportunity to specialize in fine and applied art with a view to emphasizing preparation for professional work rather than to meeting the requirements for a degree, the College offers several three-year professional groups, upon completion of which the student is awarded a diploma. The courses com-

prising these groups are strictly of college grade, equipping the student for several highly remunerative professions in the commercial world that are open to women. A student who presents fifteen admission units to the College, including those designated on page 36, who satisfactorily completes one hundred forty-one (141) hours of college credit, including the prescribed work of a group of courses, and who makes at least forty-seven (47) grade points, is awarded a diploma in professional art.

With the exception of Group V given below, the requirements of the several groups for the first two years are the same, practically all of the last year being devoted to specialization. The courses required during the first two years are as follows: Commercial Advertising 210, Costume Design 210, a Craft (Book Binding, Basketry, Metal Work, Pottery, China Painting) three (3) hours, Design 110-120-130, Design 210-220-230, Drawing 110-120-130, Drawing 210-220-230, Interior Decoration 210, Mechanical Drawing 211, Modeling 110, Painting 210-220-230, Painting 410-420, Pottery 210, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and sufficient electives to make a total of ninety-six (96) hours. In Group V, Mechanical Drawing 210-220 and Woodworking 115 are required in the place of Painting 210-220 and Craft three (3) hours. During the third year the student will elect one of the following groups:

I. Commercial Advertising Group.

Required courses—History of Art 310-320-330, Commercial Advertising, twenty-seven (27) hours, electives nine (9) hours, a total of forty-five (45) hours.

II. Costume Design Group.

Required courses—History of Art 310-320-330, Costume Design twenty-seven (27) hours, electives nine (9) hours, a total of forty-five (45) hours.

III. Applied Design Group.

Required courses—History of Art 310-320-330, Craft

twenty-seven (27) hours, electives nine (9) hours, a total of forty-five (45) hours.

IV. Illustration Group.

Required courses—History of Art 310-320-330, Illustration twenty-seven (27) hours, electives nine (9) hours, a total of forty-five (45) hours.

V. Interior Decoration Group.

Required courses—History of Art 310-320-330, Mechanical Drawing 210-220-230, Interior Decoration twenty-seven (27) hours, a total of forty-five (45) hours.

Two-Year Groups Leading to Diplomas

Several two-year groups of study are provided. In order to be eligible for admission to these groups the student must meet the college entrance requirements prescribed on page 36. A student who satisfactorily completes ninety-six (96) hours of college credit, including the prescribed courses, and who makes at least thirty-two (32) grade points, is awarded a diploma. This diploma represents two years of college work, and gives written testimony as to what the student is qualified to do.

I. Public School Music Group.

(1) Time required—Two years.

(2) Aims—To prepare students to teach and supervise music in the public schools.

(3) Required courses—Education 210-220, Education 430, English 110-120-130 English 210-220-230, Music 111-121-131, Music 110b-120b-130b, Music 112a-122a-132a or Music 113a-123a-133a, Music 212a-222a-232a or Music 213a-223a-233a, Music 210b-220b-230b, Public School Music 119-129-139, Public School Music 219-229-239, Voice six (6) hours, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and electives sufficient to make a total of ninety-six (96) hours.

II. Kindergarten Group.

(1) Time required—Two years.

(2) Aims—To prepare teachers for the public kindergartens of the State.

(3) Required courses—Biology 113a-123a-133a, Design 116, Drawing 126, Education 210-220, Education 310-320, Education 340, English 110-120-130, English 210-220-230, Health and Hygiene 230, Kindergarten 113d-123d-133d, Kindergarten 115a-125a-135a, Kindergarten 134, Kindergarten 213-223-233, Kindergarten 215-225-235, Painting 136, Piano six (6) hours, Public School Music 119-129, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a.

III. Piano Group.

(1) Time required—Two years.

(2) Aims—To give instruction in piano and to train teachers of piano.

(3) Required courses — Education 210-220-230, English 110-120-130, English 210-220-230, Music 11-12-13, Music 110b-120b-130b, Music 111-121-131, Music 116b-126b-136b, Music 216-226-236, Music 119b-129b-139b, Music 210a-220a-230a, Music 210b-220b-230b, Music 211b-221b-231b, Music 213b-223b-233b, Music 317, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a, and sufficient electives to make a total of ninety-six (96) hours.

IV. Violin Group.

(1) Time required—Two years.

(2) Aims—To give instruction in violin and to train teachers of violin.

(3) Required courses — Education 210-220-230, English 110-120-130, English 210-220-230, Music 11-12-13, Music 110b-120b-130b, Music 111-121-131, Music 115b-125b-135b, Music 215-225-235, Music 119b-129b-139b, Music 210a-220a-230a, Music 210b-220b-230b, Music 211b-221b-231b, Music 213b-223b-233b, Music 317, Physical Training 110a-

120a-130a, Physical Training 210a-220a-230a, and sufficient electives to make a total of ninety-six (96) hours.

V. Public School Art.

(1) Time required—Two years.

(2) Aims—To prepare students to teach and supervise art in the public schools.

(3) Required courses—Art Methods 211-221, Bookbinding 210, Costume Design 210, Design 110-120-130, Drawing 111-121-131, Education 430, Education 413, Education 423-433, Education 210-220-230, English 110-120-130, History of Art 310-320-330, House Plans 410, Interior Decoration 210, Mechanical Drawing 211, Modeling 110, Painting 111, Poster 111, Pottery 210, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a.

VOCATIONAL COUNSELOR AND VOCATIONAL COURSES

College Vocational Certificates

A student who presents fifteen admission units to the College, including those prescribed on page 36, and who satisfactorily completes a minimum of forty-five (45) hours of college credit, including the group of courses designated and approved by the Vocational Counselor, is awarded a College Vocational Certificate.* For further information, see page 68.

Vocational Training

The College gives training for a number of vocations other than teaching. Vocational training of college rank may be taken as the major or minor work of a college degree, or as the elective work in connection with a college degree, or wholly without reference to a degree. This training carries with it regular college credit. Furthermore, for certain of the vocations, training of non-college rank may be taken by mature students who do not have full college admission credit. (See page 185.) In every case, the length and arrangement of the program of study for a student who desires vocational training depends on the previous training of the student, the vocation which she is planning to enter, and the degree of proficiency to be attained before taking up work as a wage-earner. There are one-year, two-year, three-year, and four-year vocational courses, some of which are of college rank and some of non-college rank. Any vocation can be followed with greater assurance of success and a higher degree of efficiency if the training for the vocation has been interwoven with a liberal education. Such a program of study results also in a broader

*Note: A student who is admitted to a vocational group of courses below college rank and who satisfactorily completes a group of courses designated and approved by the Vocational Counselor, representing a minimum of a full year of practical work, is awarded a Vocational Certificate. For further information, see page 186.

spiritual vision of life and makes the worker a more valuable citizen of the community as well as a more effective producer of wealth.

The College grants a certificate of proficiency for the completion of a definite program of study leading to a vocation. (See page 68.) These certificates are not teachers' certificates and therefore do not in themselves entitle the holder to teach in the public schools of the State. (For requirements for Teachers' Certificates, see page 146.) A vocational certificate is the official statement of the college that the vocation indicated in the certificate has been studied by the holder, and that a sufficient degree of proficiency and skill has been acquired for the holder to enter upon the vocation as a remunerative occupation.

Groups of Vocations

Group I—Vocations of Dietitian, Tea-Room or Cafeteria Manager, Co-operative Buyer of Household Supplies, House Director or Institutional Manager.

For this group of vocations, it is urged that the student take a full four-year course of study leading to the degree of bachelor of science, choosing the greater part of her work in foods and cookery and related subjects. (For requirements, see page 49.) Desirable elective courses are suggested to the student by the Vocational Counselor.

Group II—Vocation of Home Demonstration Agent.

Training for this vocation may be taken as part of the work of a degree or taken independently. It is recommended that the four-year course leading to the degree of bachelor of science, Home Demonstration Group, be taken. (For requirements, see page 51.)

Group III—Vocations of Dairying, Farm-Managing, Poultry Raising, Rural Leadership.

Courses for any of these vocations may be taken as a part

of the work for a degree, or taken independently. If a degree is desired, the degree of bachelor of science, Rural Arts Group is recommended. (For requirements, see page 59.) The course in each case should be determined upon in consultation with the Vocational Counselor.

Group IV. Vocations of Dressmaker, Milliner.

For training for either of these vocations, the student may or may not have college standing, and, if she has college standing, she may or may not take the course leading to a degree. If the degree course is desired, the student should take the work as outlined in the Home Economics group, majoring in Textiles and Clothing. (For requirements, see page 50.) If the student has college standing, but does not wish to take a degree, she may pursue those subjects leading to the vocation, with such other subjects as she may elect. In every case her program is to be subject to the approval of the Vocational Counselor.

For students who do not have college entrance credit, there are courses which give training in dressmaking and millinery, for the completion of which a vocational certificate is granted. (See page 185.)

Group V. Vocations of Secretary, Stenographer, Typist, Accountant, Comptometrist.

For these vocations, courses of study are given for college students and for students who do not have college standing. The college students may take the work as a part of the work for a degree or without reference to a degree. The degree of Bachelor of Business Administration is awarded those students completing the four years' course in secretarial studies; a college vocational certificate is granted to those students of college rank completing one, two, or three years of the work; and a vocational certificate to the students of non-college rank completing one year of prescribed commercial arts work.

The Department of Secretarial Studies is so organized as

to be able to offer, in addition to the college secretarial course, short-term vocational courses in business English, bookkeeping, typewriting and stenography. The department has courses in which a beginner can take up the work advantageously at any time she wishes to enter. A student taking up this work is allowed to advance as rapidly as her ability and the time she wishes to spend on the work will permit. She is not held back by slower and less capable students. A student entering these courses is given private instruction until she can fit into the class best suited for her progress. New classes are formed and students promoted, or left behind, at least once a month. This applies to bookkeeping, typewriting, and stenography; it applies also to work in certain other departments, as photography and telegraphy, since the instruction is in every case largely individual. (See page 185.)

Group VI. Vocations of Interior Decoration, Costume Design, Commercial Advertising, Applied Design, Illustration.

Courses for these vocations may be taken by students of college standing as part of the work for the degree of bachelor of science in Fine and Applied Art (for requirements, see page 53); or, as three-year vocational courses in Fine and Applied Art leading to a vocational diploma (see page 63; or, as a one-year or a two-year course for a college vocational certificate. They may also be taken by students of non-college standing as one-or two-year courses leading to a vocational certificate. (See page 185.)

Group VII. Vocations of Craft Work and Art Industries (Including Pottery, Jewelry, Toys, and Baskets); Assistant Designer of Furniture; Assistant in Architect's Office.

Courses for these vocations may be taken by students of college standing as a part of the work for the degree of bachelor of science in Manual Arts (for requirements, see

page 56) or, they may be taken as a one-year or a two-year course, for a college vocational certificate. In the latter case, the course must be approved by the Vocational Counselor.

Group VIII. Vocation of Industrial Chemist.

For this vocation, a four-year college course is recommended, with chemistry as the major subject. (For requirements, see page 52.)

Group IX. Vocations of Reader, Lecturer or Entertainer.

For these vocations, a four-year college course is recommended, with reading as the major subject, and English as the minor subject. (For requirements, see page 61.)

Group X. Vocation of Social Service Worker.

For this vocation, a four-year college course is recommended, with history and social science as the major subject and with certain elective courses suggested by the Vocational Counselor. (For requirements, see page 46.)

Group XI. Vocations of Telegraphy, Photography.

Either one of these vocational subjects may be taken as the minor subject, or as the elective subject, in connection with the college degree, or they may be taken without reference to a college degree. They may be taken by students of college standing or by students who do not have college standing. The work in telegraphy and in photography is largely individual work and may be entered upon at any time, whether at the beginning of a quarter or not. College vocational certificates are granted upon the basis of the proficiency and skill acquired.

Group XII. Vocational Linotyping.

The work in linotyping is arranged to meet the needs of three different groups of students who wish the work for vocational ends: vocational students of non-college rank who complete the work in one or two years, (see page 185) ; voca-

tional students of college rank who complete the work in one or two years; and college students who take the four-year group in linotype operation, leading to the degree of Bachelor of Science, (for requirements, see page 58). To secure a certificate requires in every case the attainment of a certain degree of skill and proficiency.

For details of the arrangement of courses in linotyping, see Bulletin No. 100, entitled, "Linotyping—Vocational Courses for Training of Operators and Machinist-Operators."

Group XIII. Vocations of Accompanist, Player of Violin or other Orchestral Instruments, Choir Leader, Leader of Community Singing.

For requirements for degrees in music, see page 60. For individual program of study leading to any one of this group of vocations, the student should confer with the Vocational Counselor.

Short-Term Practical and Vocational Courses of Non-College Rank.

For full discussion and outline of these courses, see page 185.

Vocational Counselor

In view of the fact that the College gives training for vocations, and realizing that one of the most important decisions to be made in life is the choice of a vocation, or life work, the College has in its faculty a Vocational Counselor. Her work is to advise with the students as to the vocations for which they are best fitted; to give them information regarding various vocations; to help in the choice and arrangement of the students' program of study; to help, as far as possible, the qualified students in securing remunerative positions; and to suggest from time to time such changes in the college curriculum as may help the College to meet most effectively the needs of its own students and

of the State. The Vocational Counselor counsels and coöperates with the faculty members who give training in vocations and closely allied subjects, with a view to preventing unnecessary duplication, increasing effective correlation, and fulfilling to a maximum the practical and vocational aims of such training. As a distinctive and essential part of vocational advisement, the Vocational Counselor gives, each quarter, a college course in Social Economy, dealing particularly with the vocational interests of college women. She gives also a series of lectures to the student body in college assembly, on the most important vocations open to women. The students themselves are allowed to select, in a large measure, the vocations to be discussed in the lectures.

The Vocational Counselor's services are available at all times to all students of the College. This applies not only to the students who are enrolled as vocational students and have indicated that they are desirous of entering upon certain vocations, but to every student of the College in whatever department she may be enrolled. The purpose of the work is to create, or to deepen and intensify, the student's desire to live a life of real service and to make that service reach a maximum of efficiency by being chosen in the field to which the student's ability and inclination are best adapted.

Teachers' Certificates

The new law governing the issuance of teachers' certificates based upon college work gives the same value to courses completed in the College of Industrial Arts as is given to courses completed in other approved colleges of the first class or in the State normal schools. For full details as to the kinds of teachers' certificates that may be procured by college work, see page 146.

General Requirements and Explanations

- (1) The provisions of this catalogue as they apply to

degrees, diplomas, and certificates of proficiency become effective with the session of 1923-24, and all requirements designated in previous catalogues are subordinate to those given in this catalogue; provided that the Dean of the College may for good cause authorize such deviations as the changes of catalogues warrant.

(2) A minimum residence attendance of one year and the completion of at least 45 hours of credit in the College are necessary in order that a student may receive a degree, diploma, or certificate of proficiency, and all of the work prescribed in major and minor subjects for the last year must be done at the College.

(3) Certificates of proficiency and diplomas are awarded and degrees are conferred, at the close of the spring and of the summer quarter of each college year.

(4) Each student of the College is assigned to a faculty adviser who determines the courses that are taken by the student from time to time. For a list of the duties of the faculty advisers, see page 203.

(5) It is presumed that a student of average ability should carry fifteen (15) hours of college work. A minimum of twelve (12) hours is required of every student; provided the Dean of the College may give special permission to carry less than twelve (12) hours when the conditions make it advisable. A student who has made a credit of at least fifteen (15) hours, including ten (10) grade-points, during the preceding quarter is permitted to carry more than fifteen (15) hours, provided that the amount does not exceed nineteen (19) hours. A student who has made less than fifteen (15) hours, including ten (10) grade-points, during the preceding quarter, is not permitted to carry more than sixteen (16) hours, except by special approval of the curriculum committee.—Physical Training may be carried in addition to the limits here stated.

(6) In determining the number of hours a student may carry, the holding of a student assistantship or of a major

office or a student position requiring twelve or more hours is considered the equivalent of three hours of work, but no college credit is given therefor, provided, this statement shall not apply to any form of manual work, including serving positions in the dining rooms.

(7) All first year and second year students are required to take Physical Training three hours a week. A student who is physically unable to take physical training may be exempted upon presenting to the Dean of the College a certificate of disability from the college physician; provided, that a student who is exempted from Physical Training must present, before receiving a degree, diploma, or certificate of proficiency, an equivalent credit in English, history, mathematics, or science.

(8) A student who defers until the senior year a prescribed freshman subject in the group she is taking is given only one-half credit for such prescribed subject.

(9) Any college course, including class or individual lessons in music or reading, may be regarded as an elective; provided, that the student has met the necessary prerequisites (see pages 77 and 184); provided further, that not more than eighteen (18) hours may be elected in a department other than those listed in the paragraph "Major and Minor Subjects" on page 46. In the Department of Physical Education eighteen (18) hours may be taken exclusive of the required courses in Physical Training.

(10) The requirements as listed in the groups of courses leading to diplomas and certificates have been outlined by the curriculum committee of the College. Any deviation therefrom must have the approval of the Dean of the College or of the Committee.

(11) An advanced course is usually considered the third year or higher work of continuous study in a given subject.

(12) Preparation requiring a minimum of two hours' outside work is expected for each recitation or lecture period, and preparation requiring a minimum of one-half

hour is expected for each laboratory period. As a rule, a laboratory period of two hours is considered the equivalent of a one-hour lecture or recitation period.

(13) For definition of a major subject and a minor subject, see page 46. For requirements for degrees, diplomas, and certificates, see page 47.

(14) Though the Registrar keeps an accurate record of the number of credit hours each student has, a student is held responsible for keeping herself informed as to this matter. A student's record-book is given each student for her information and also for the information of the student's faculty adviser, who assists the student in planning courses to meet the requirements for a degree, diploma, or certificate of proficiency.

(15) In order for a student to receive credit for courses completed in other colleges, the courses must be certified to by the registrar of the institution. This statement must also include a certificate of honorable dismissal, which is required of all students who have previously attended other institutions. See page 41.

(16) A student who receives a degree or a diploma from the College is required to pay a diploma fee of five (5.00) dollars.

(17) Fees paid by students who withdraw from College or who withdraw from courses for which special fees are required are not refunded to the student. For list of fees, see page 205.

DESCRIPTION OF COURSES BY DEPARTMENTS**DEPARTMENT OF BIOLOGY**

WILLIE ISABELLA BIRGE, Professor and Director of the Department; **ELIDA MARION PEARSON**, Associate Professor; **MATTIE BETH MORGAN**, Assistant Professor; **MRS. BERTHA K. LLOYD**, Instructor.

Instruction in Biology is arranged to meet the needs of three classes of students: (1) those who want a general knowledge of the principles of bacteriology, botany, physiology, and zoology; (2) those who are specializing in household economics and who need a general knowledge of microorganisms and of their relation to the problems of human life; (3) those who desire more advanced and specialized study in one or more of these subjects, with a view to preparing for teaching or other professional fields for which this work is prerequisite and foundational.

Household Bacteriology 210-220.**Household Bacteriology 230**

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

The aim of this course is to give the student specializing in vocational home economics a general knowledge of the fundamental principles of bacteriology, the application and relation of these principles to the problems of the household, and the method of presentation of household bacteriology in the secondary schools. The following are some of the subjects considered: general morphology and physiology of bacteria, yeasts and molds; the relation of microorganisms to the preparation, preservation, and canning of food; the relation of bacteria to milk and other dairy products, to contamination and purification of the water supply, and to soils and soil fertility. Particular emphasis is placed upon personal and public hygiene, sanitation, food supply, and other essential phases of applied bacteriology.

Bacteriology 310-320-330—Advanced Bacteriology and Pathology.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisites, Chemistry 110d-120d-130d; Botany 110-120-130 or Zoology 110-120-130; Bacteriology 210-220.

This is a more comprehensive study of microorganisms. It includes a detailed study of bacteria of water, milk, soil, sewage, and pathogenic bacteria, especially those related to diseases of man; the preparation of sera and antitoxins; the theories of immunity.

The laboratory work is designed to acquaint the student with the technique essential to work in the field; the preparation of culture media most necessary to conduct quantitative and qualitative bacteriological analysis; and of the most common household bacteria.

Biology 113a-123a-133a—Nature Study.

Fall, winter, and spring quarters. Field trips, notebooks, and lectures. Credit, one hour for each quarter.

This course consists of a general study of familiar plant and animal groups and their economic and environmental relations. This work is of particular interest to those who want a general knowledge of familiar plants and animals, but who have not had an opportunity to take more specialized courses in biology, as well as to those who are preparing to teach nature study and biology in the kindergarten and the grades.

Some of the topics included are: environmental factors influencing plants and animals; plants as soil formers; mosses, and ferns; plant and animal associations; flowering plants; trees; the relation of insects to plant pollination; insects and birds, and their economic relations; principles of heredity and of natural selection, etc.

Botany 110-120-130—General Botany.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

Study is made of the root, stem, and leaf of the higher plants; of the structure and germination of seeds; and of a series of plants representing the chief groups from the simple to the complex. A large part of the work of the spring quarter will be devoted to the study of wild flowers.

Botany 220—General Forest Botany.

Winter or spring quarter. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours.

The aim of this course is to give a general knowledge of forestry.

The subjects covered in this course are: the structure, nutrition, growth, and production of the plant; the identification of trees by use of keys; the life relations of the tree as it is influenced by light,

soil, temperature, wind, animals, and by the struggle for existence; a study of forest distribution, methods of forestry, and of forest conservation in the United States; and a detailed study of the stems of various woods.

Botany 211-221-231—Plant Physiology and Ecology.

Fall, winter and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Botany 110-120-130.

Plant physiology involves an experimental study of the principal life functions of plants, such as photosynthesis, digestion, nutrition, metabolism, irritability, protection and plant motility.

In plant ecology, the life relations of the plant to the animals and to plant associations are emphasized. The student will make analytical charts and diagrams of the floral zonations of this locality, since the environs of Denton, owing to widely differing geological formations, are characterized by varied plant associations.

Laboratory exercises, field and greenhouse work, and lectures and readings from standard authors are required.

Botany 410-420-430—Histology and Cytology.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Botany 210-220-230.

Chiefly a laboratory course, in which the student makes and studies preparation of plant tissues representative of the plant groups. The latter half of the year is devoted to a detailed study of the plant cell, including mitosis, sporogenesis, etc.

Physiology 210-220-230—Human Physiology and Hygiene.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

In this course are considered function and structure, with emphasis upon study of the muscle and nerve, digestion, respiration, circulation, metabolism, the organs of the special senses, and personal and public hygiene. In the laboratory the student makes a general dissection of a mammal, followed by experiments on the physiology of the various systems. The students will have access to some excellent models of the human body, and to prepared slides of human and animal tissues.

Physiology 215-225—Human Physiology and Hygiene.

Fall and winter quarters. Lecture and recitation, one hour a week;

laboratory, four hours a week. Credit, three hours for each quarter.

This is a condensed course of Physiology 210-220-230.

Zoology 110-120-130—General Zoology.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

The aim of this course is to give to the student a general knowledge of the fundamental principles of zoology; an outline of animal classification and structure; and the life histories, habitat, mimicry, behavior, and the economic importance of the common animals.

Laboratory work includes observations and experiments with the simpler Protozoans, such as the *Amœba* and the *Paramœcium*; and the dissection of typical invertebrates, and of a vertebrate. Field trips are made a part of the regular laboratory work. During the spring a large part of the field work will be devoted to the study of birds and their economic relation.

Zoology 210-220-230—Comparative Vertebrate Zoology.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Zoology 110-120-130.

This course includes the study of a series of vertebrates from the standpoint of the comparative development of different systems of the animal body, together with discussion of the behavior, habit, and distribution of vertebrates. The student is introduced to the study of different groups of animals from the economic viewpoint.

Zoology 321-331—Entomology.

Winter and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Zoology 110-120-130.

This course comprises a lecture and laboratory study of the life-history and metamorphosis, the general anatomy, and the classification of the most important groups of insects and their methods of control.

Field work will include a study of the life relations, habits, and methods of control of insect pests, and of the economic importance of the most common orchard, garden, and field insects.

Zoology 310-320-330—Advanced Zoology.

Fall, winter, and spring quarters. Credit, three hours for each quarter. Prerequisite, Zoology 210-220-230.

This is an advanced course in Zoology. The work consists of conferences, laboratory, and reading.

DEPARTMENT OF CHEMISTRY.

W. H. CLARK, Professor and Director of the Department;
H. G. WHITMORE, Associate Professor; PERNECIA MCCLUNEY,
Instructor; GLADYS TREVITHICK, Instructor.

Besides offering training in the scientific method and in independent thinking, the courses in the Department of Chemistry have the following specific ends in view: (1) to lay the necessary foundation for graduate work in universities; (2) to prepare students for industrial positions; (3) to afford the necessary preparation for teaching (4) to satisfy the requirements of the various courses in household arts for which chemistry is a natural prerequisite.

Chemistry 110d-120d-130d—General Inorganic Chemistry.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week; laboratory, four hours a week. Credit, four hours for each quarter.

This is a continuous course, having for its aim the giving of a broad conception of the fundamental principles, laws, and theories of chemical action, thereby laying the foundation for further study of the subject. A detailed study is made of the elements, oxygen, hydrogen, and nitrogen, followed by a study of the other elements by families. The atomic, molecular, solution, and ionic theories; the laws of combination, the Periodic Law, etc., are studied and applied. Special stress is laid upon the study of domestic and industrial processes.

Chemistry 212-222-232—Food Chemistry.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Chemistry 130d.

This course, designed for students majoring in household arts, is an organized study of the fundamental principles of organic chemistry and their application to foods. The course includes the study of hydrocarbons as related to fuels and dry cleaning; alcohols and fermentation; acids as related to the study of fats, fruits and vegetables; esters as used for flavoring; fats, carbohydrates and proteins as to occurrence, composition and reactions; preservatives; adulterants.

Chemistry 211-221-231—Inorganic Qualitative Analysis.

Fall quarter, lecture and recitation, two hours a week; laboratory, four hours a week. Winter quarter, lecture and recitation, one hour

a week; laboratory, six hours a week. Spring quarter, laboratory, eight hours a week. Credit, three hours for each quarter. Prerequisite, Chemistry 110d-120d-130d.

The theoretical portion of this course consists of the study and application, to systematic analysis, of the theory of ionization; the law of mass action; chemical and physical equilibrium, as they are related to the theory of precipitation and solution; and the electrolytic theory of oxidation and reduction.

The laboratory work is divided into two parts: (1) the study of specific reactions of radicals, both positive and negative, with the view of being able to identify them in solutions of acids, bases and salts; (2) the analysis of unknown mixtures of salts, bases, and acids. The spring quarter is devoted entirely to the latter part.

Chemistry 210-220-230—General Organic Chemistry.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Chemistry 130d.

This is a basic course in organic chemistry designed for students majoring in the department of chemistry. The fall and winter quarters are devoted to a study of the aliphatic compounds, while the spring quarter is given to a study of some of the representative aromatic compounds.

Chemistry 310-320—Physiological Chemistry.

Fall and winter, and winter and spring quarters. Lecture and laboratory, five hours a week. Credit, three hours for each quarter. Prerequisites, Chemistry 232, and Physiology 210, or Physiology 215.

A study of the general chemistry of the cell; consideration of body tissues; characteristics of enzymes; and the gastric, salivary, pancreatic, and intestinal digestion of proteins, fats, and carbohydrates.

Chemistry 330—Physiological Chemistry.

Spring quarter. Lecture and laboratory, five hours a week. Credit, three hours. Prerequisite, Chemistry 310-320.

This course is designed especially for students interested in nutrition. It is confined to the study of the chemistry of bile, blood, and urine.

Chemistry 311-321-331—Inorganic Quantitative Analysis.

Fall, winter and spring quarters. Conference and laboratory, eight hours a week. Credit, three hours for each quarter. Prerequisite,

Chemistry 211-221, or concurrent registration in these courses. (In some cases students are permitted to take three courses in parallel, but it is not generally advisable to do so).

The scope of the work in this course includes the careful analysis of alloys, simple salts, and ores, involving both gravimetric and volumetric methods; the preparation of standard solutions; the calibration of measuring vessels; and the accurate use of the chemical balance. The work is basic in its nature and furnishes a rather broad foundation for further work along the same line.

Chemistry 430—General Principles of Chemistry.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite: Chemistry 230, 231, and Physics 130 or 330 (or concurrent registration in these courses).

This is a survey course, intended for those who are either majoring in chemistry or intend to teach physical science. It is not a course in methods of teaching. The purpose of the course is to aid in laying a firm foundation for the further study, practice and teaching of chemistry.

Chemistry 412-422-432.

Chemistry 412f-422f-432f.

Chemistry 412i-422i-432i.

Fall, winter, and spring quarters. Laboratory and conference eight, sixteen, or twenty-four hours a week. Credit, three, six, or nine hours a quarter. (No credit will be given for less than a total of nine hours' work, but this quantity of work may be taken in a single quarter if a student has the time to devote to it). Prerequisite, Chemistry 311-321-331, and either Chemistry 430 or concurrent registration in Chemistry 430.

This course is a study of the approved methods of analysis as they are carried out in the standard commercial laboratories, the Bureau of Mines, the Bureau of Standards, the Department of Agriculture, etc., and nothing but official methods and official apparatus are used.

The work includes the subjects listed below together with others which may be substituted for any of these according to choice of the student. The quantity of work designated above may be chosen from this list: (1) Proximate Food Analysis, 3 hours; (2) Milling and Baking, 3 hours; (3) Cotton Seed Mill Products, 3 hours; (4) Gas Analysis, 3 hours; (5) Mineral Oil Analysis, 3 hours; (6) Coal Analysis, 3 hours; (7) Textile Analysis, 3 hours; (8) Sanitary and Boiler Scale Analysis, 3 hours; (9) Tests on Asphalt Paving and Bituminous Road Material, 3 hours; (10) Analysis of Feeds, 3 hours.

For description of the following vocational courses given in this department, see page 185: Chemistry 51-52-53.

DEPARTMENT OF ENGLISH

LEE MONROE ELLISON, Professor and Director of the Department; WILLIAM STANTON DONOHO, Associate Professor; LILA ST. CLAIR MCMAHON, Associate Professor; ELBRIDGE COBB BRODIE, Assistant Professor; *SUSAN F. COBB, Assistant Professor; DEAN WHITE HENDRICKSON, Assistant Professor; ERIC G. SCHROEDER, Assistant Professor; ANNA VAN BUSKIRK, Assistant Professor; MAMIE W. WALKER, Assistant Professor; JESSIE MCEL RATH, Instructor; AUTREY NELL WILEY, Instructor.

The courses in English seek to accomplish the following ends: to train students in the processes of clear thinking and effective expression, both oral and written; to acquaint them, through literature, with the cultural and spiritual ideals that have determined our civilization; and to give training in story-writing and journalism.

English 110-120-130—Composition.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Required of all freshmen.

This course consists of oral composition and written daily and weekly themes. During the fall quarter the emphasis is placed upon exposition; during the winter quarter, upon argumentation; and during the spring quarter, upon description and narration. The expository themes are often correlated with the work of the other departments, or take the form of club papers, book reviews, and speeches for special occasions. The argumentative exercises are based upon current problems, and are designed to train the students in systematic thinking on topics of interest. The narrative papers are devoted to letters, character sketches, and original stories.

English 210-220-230—Outline of English Literature.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, English 110-120-130. Prerequisite to all higher courses in English literature.

This course consists of a survey of English literature from Beowulf

*Granted leave of absence for study during session of 1922-23.

to the end of the Victorian age. An effort is made to focus attention upon successive phases of national thought and life, and to arrange chronological readings which reflect the development of English literature.

English 310-320—Development of the English Novel.

Fall and winter quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, English 210-220-230.

This course consists of a glance at the narrative which contributed to the growth of the novel prior to Defoe, and the reading of representative novels from Defoe to the present time.

English 330 — American Prose Fiction.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, English 210-220-230.

This course follows the record of the national imagination as it appears in the novel and the short story from Brown and Irving to the present time. In connection with the short story the development of American periodical literature is also studied.

English 311-321-331—The Drama.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, English 210-220-230.

After considering briefly the origin of the drama in England, this course attempts to trace the development of the English drama from the beginning of the Renaissance through Shakespeare, and to follow the history of the form from the closing of the theatres by the Puritans to the present time. Emphasis is naturally placed upon the drama of the Elizabethan period. During the spring quarter, the work of contemporary continental dramatists receives some attention.

English 322-332 — American Literature.

Fall and winter quarters. Lecture and recitation, three hours per week. Credit, three hours for each quarter. Prerequisite, English 210-220-230.

The primary aim of this course is to present American literature as an expression of our national life and character. A survey is therefore made of American literature from the pre-revolutionary period to the present time, with emphasis upon the national element and the in-

fluences that have made for sectional and regional divergences. History 210-220-230 should precede or accompany the course.

English 410—Poetry of the Romantic Period.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, English 210-220-230.

In this course the romantic reaction is traced in the work of Thomson, Collins, Gray, Cowper, and Burns, and the complete triumph of romantic principles is studied in the works of Wordsworth, Coleridge, Shelley, Byron, and Keats.

English 420-430—Victorian Prose and Poetry.

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, English 210-220-230.

This course consists of a study of the prose writers, Arnold, Ruskin, Carlyle, Macaulay, and Newman; and the poets, Arnold, Clough, Morris, Swinburne, Dante Gabriel Rossetti, Elizabeth Barrett Browning, Robert Browning, and Tennyson.

English 411-421-431—Advanced Composition.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, two years of college English.

The courses in advanced composition are designed to acquaint the student with the rhetorical and critical principles that underlie all effective literary work and to afford extensive practice in the application of these principles. A secondary aim is to encourage the kind of creative work for which the student is especially adapted. The instruction will therefore, to some extent, vary with the individual.

English 412—Elements of the English Language.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, two years of college English. A knowledge of Latin and German is highly desirable.

A historical study of the words and forms of the English language; the principles of linguistic change; growth of the English vocabulary; decay of grammatical inflections; dialects; the English language in America.

English 422—Chaucer.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, English 412.

A detailed study of a typical selection from Chaucer is intended to introduce the student to the elements of Middle English grammar and pronunciation. This is followed by the rapid reading of selections from the minor poems and the Canterbury Tales.

English 432—English Literature of the Eighteenth Century.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, English 210-220-230.

Lectures on the literary history of England during the eighteenth century, with extensive reading in the representative poets and prose writers of the period, constitute the work of this course. The prose fiction of the period is not considered.

JOURNALISM

(Concerning the offering of courses in Journalism as courses in English, see page 46.)

Journalism 210-220-230—News Gathering and Writing.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, English 110-120-130.

The aim of this course, open to beginners, is to teach the structure of a news story and the matter proper to its various divisions; the style most appropriate to presenting the news tersely and in an informative manner; methods of gathering news; the essential qualifications of a good reporter; and in general, the ideals of journalism. Work done in this course will be published in *The Lass-O*.

Journalism 310-320-330—News Gathering and Writing.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Journalism 210-220-230.

Students who have completed Journalism 210-220-230 will be given an opportunity in this course to continue their reportorial work. More difficult assignments of news stories for *The Lass-O* will be given members of this class.

Journalism 311-321-331—Copy Reading.

Fall, winter, and spring quarters. Lecture and laboratory work, three hours a week. Credit, three hours for each quarter. Prerequisite, Journalism 210-220-230.

Efforts in this course will be directed to rewriting copy, reading

proof, writing heads, and in general, preparing the copy for the linotype machine. The student will be taught discrimination as to relative news values, and will receive instruction, as well, in the make-up of a newspaper.

Journalism 412b-422b-432b—Feature Writing.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter. Prerequisite, Journalism 210-220-230.

The essential parts of a feature story, suitable subjects for features, and correct treatment of such material, will be covered in this course. The aim of the work will be to equip the student for staff work on any daily newspaper.

Journalism 413a-423a-433a—Editorials.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter. Prerequisite, Journalism 210-220-230.

Correct editorial diction through constant practice for The Lass-O will be taught in this course. The style employed by past and present masters in editorial writing will receive careful attention.

Journalism 414—History and Principles of Journalism.

Fall, winter, and spring quarters. Lecture, three hours a week. Credit, three hours.

This course traces the development of journalism during the last three quarters of a century; the growth of the nation's newspapers is followed in outline, and some time is devoted to the careers of prominent figures in American journalism.

NOTE: The use of a real weekly newspaper, even though a college publication, insures that the conditions under which the student works shall be as nearly identical as possible with those she will meet when she has left school for actual newspaper practice. It insures that the student reporter on an assignment shall be treated as a reporter, both by her instructors and by outsiders. It impresses upon her the fundamentals of a newspaper office—that the facts must be accurate, that they must be handled correctly, and that the story must be turned in at the earliest possible moment.

The copy turned in will become the laboratory material for student copy readers, who will do the editing and the headline writing. The size of heads and the length of stories must be determined by the actual needs of The Lass-O for the respective weeks. Initials must

be correct, sentences must be grammatical and stories clear, and a certain style adhered to.

The student learns to realize that reporting does not consist in writing only the big news that happens occasionally, but also in writing the every-day news of less importance and in finding and writing the news that does not lie upon the surface. The fact that what she writes is published and read by hundreds forces the student to work with a realization that it really matters if she does not do her work thoroughly.

For courses in Business English, see page 179.

For the following vocational courses offered in this department, see page 185: English 31-32-33.

DEPARTMENT OF FINE AND APPLIED ARTS

VIRGINIA M. ALEXANDER, Professor and Director of the Department; MARIAN LONG, Professor; MATTIE LEE LACY, Associate Professor; MARY MARSHALL, Associate Professor; VICTORIA EBBELS, Assistant Professor; MURIEL V. SIBELL, Assistant Professor; LILLIAN PRENTISS, Instructor; MARY CLAY REESE, Instructor.

Courses offered in the Department of Fine and Applied Art are planned to meet the needs of students who are working for degrees or vocational diplomas. For further information concerning the groups of courses leading to degrees, see page 53; for information concerning vocational courses leading to diplomas, see pages 63 and 66.

The aim of these courses is to develop good taste, good judgment, an appreciation of the beautiful, to increase creative ability, and to train artists, supervisors and teachers.

Courses in the Department of Fine and Applied Art are not hyphenated. One or more quarters of any course may be elected by students who have the prerequisites.

Drawing 110.

Fall quarter. Laboratory, six hours a week. Credit, three hours.

This course gives the fundamental principles necessary for the drawing of objects in outline, relief, light, and shade. Elements of composition are taught. Media: charcoal, colored chalk.

Drawing 120.

Winter quarter. Laboratory, six hours a week. Credit, three hours.

In this course principles of parallel and angular perspective are

taught. Perspective drawings are made of landscapes, interiors and of round and angular objects. Media: charcoal and pencil.

Drawing 130.

Spring quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Drawing 110.

In this course students draw from casts and landscape. Media: charcoal and pencil, and colored crayons.

Drawing 111-121-131.

Fall, winter, and spring quarters. Laboratory six hours a week. Credit, three hours for each quarter.

This course covers work in drawing for all grades of the public school. Drawing of objects, landscape, sketching from live models, perspective and blackboard drawing for demonstration. Media: pencil, charcoal, and colored crayons.

Drawing 210.

Fall quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Drawing 110-120-130.

This is an advanced course in cast drawing and sketching from life. Medium: charcoal.

Drawing 220.

Winter quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Drawing 210.

In this course, students draw from the posed model. Media: charcoal and chalks.

Drawing 230.

Spring quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Drawing 220.

This is a course designed to teach landscape drawing and composition. Media: charcoal, pencil, ink.

Life Drawing 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Drawing 220.

In this course students draw from the posed model. Action sketches are featured and the composition of figures with backgrounds is taught. Media: charcoal, color, ink.

Painting 111.

Winter quarter. Laboratory six hours a week. Credit, three hours. Prerequisite, Drawing 111.

This is a course in painting objects and landscape. Media: water color, and colored chalks.

Painting 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Parallel or prerequisite, Drawing 110 and Design 110.

This is a beginning course in painting from still life, flowers, landscape and the posed model. Media: colored crayons, watercolor, and oil.

Painting 410-420-430.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Painting 210-220-230.

This course features advanced painting from objects, flowers, landscape, and the posed model. Media: watercolor and oil.

Design 110-120-130.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

This is a beginning course in the theory and practice of design. Line, dark and light, and color are taught. Original designs are applied to materials and objects. Media: charcoal, ink, and color.

Design 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Design 110-120-130.

The object of this course is to give advanced design in color. Original designs are applied to materials and objects. Free hand lettering and poster-making are taught. Media: ink, color, charcoal.

Design 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Design 210-220-230.

This is an advanced course in design, using professional methods. The work of the course includes batic, tie-dye, wood-block, stencils and embroidery.

Design 125.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours.

This is a condensed course in design for Household Arts students.

Line, dark and light, and color are taught. Application is made to material and objects. Media: charcoal, ink, color.

China Painting 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Design 125 or Design 110.

In this course original designs are developed for china. Paints, lustres, and enamels are applied on Belleek, Satsuma and Celadon wares.

China Painting 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, China Painting 210-220-230.

This is an advanced course in china painting. Students learn to stack and fire the china kiln.

Pottery 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite or parallel, Design 110.

This course consists of the preparation of clay, designing and modeling of vases, bowls, and lamps, application of original designs, glazing and firing of kiln.

Pottery 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Pottery 210-220-230.

This is an advanced course in pottery. The use of the Potter's wheel is taught and students grind their glazes.

Modeling 110-120-130.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

In this course students model in low relief and objects in the round, as casts, animals, and figures. The work of old masters is studied and the technique and processes as they are used in sculpture.

Bookbinding 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Mechanical Drawing 211.

In this course students bind books in leather, cloth, and paper. The processes used are those of professional bookbinders. Desk pads, books, and portfolios are made and decorated with original designs.

History of Art 310-320-330.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course is given to develop a knowledge of the important art epochs, artists and schools of painting, architecture, and sculpture; also to develop an appreciation of art quality in all objects, wherever found. This course is required of all students securing a degree or a diploma in the Fine and Applied Art groups.

Pictorial Composition 110.

Fall quarter. Laboratory, six hours a week. Credit, three hours.

This is a course in the principles of art governing picture composition. The work of old masters is studied. Media: charcoal, pencil, ink.

Poster 111.

Winter quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Drawing 111, Design 110.

This is a course featuring illustrations and printing for poster advertising. Media: ink, color, and cut paper.

Art Methods 211-221.

Winter and spring quarters. Laboratory, three hours a week. Credit, three hours for each quarter. Prerequisite, Education 210-220-230.

This course develops an outline of study showing work for each grade in the public schools and special methods for teaching each subject.

VOCATIONAL COURSES.

These courses are for students who wish to specialize in Costume Design, Illustration, Interior Decoration, Commercial Advertising, and Crafts. One or more quarters of any of these courses may be taken as prescribed or elective courses by any College student with the required prerequisites, but credit will be given as though they were not hyphenated courses.

Costume Design 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

In this course the principles of design as they apply to women's dress are taught. Students make original designs for costumes. Media: pencil, ink, color. Prerequisite or parallel, Design 110 or Design 125.

Costume Design 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Costume Design 210-220-230.

This is an advanced costume design course dealing largely with historic periods in costume.

Costume Design 410-420-430.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Costume Design 310-320-330.

In this course professional methods in costume illustration are taught. Composition of figures with background is required. Media: Ink, color.

Illustration 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours to each quarter. Prerequisite, Design 110, Drawing 210.

This course covers the principles of composition. Technique for book and magazine illustration are taught. Media: charcoal and ink wash.

Illustration 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Illustration 210-220-230.

This is a professional course in illustration. Various techniques for reproduction are used.

Interior Decoration 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite or parallel, Design 125 or Design 110.

The principles of design as applied to the home are taught in this course. Proper selection and arrangement of all objects which constitute the interior of the home are stressed. Media: pencil, ink, color.

Interior Decoration 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Interior Decoration 210-220-230.

This is a course in advanced interior decoration dealing with period styles. Original designs of furniture and draperies are made.

Interior Decoration 410-420-430.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Interior Decoration 310-320-330.

This is a course planned for professional work in interior decoration. Perspective treatment of rooms is used.

Interior Decoration 110a.

Fall, winter, and spring quarters. Lecture, one hour a week. Credit, one hour. No prerequisites. No credit given to students who take Interior Decoration 210.

The purpose of this course is to give students whose schedules do not include Interior Decoration a knowledge of the principles of good taste, proper use of color, and the arrangement of all objects which constitute the interior of the home so that it may best fulfill its function.

Commercial Advertising 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite or parallel, Design 110 or Design 125, and Drawing 110.

Principles of design are applied to commercial art. Psychology of line and color in advertising; lettering; arrangement; reproduction processes are considered. Media: Ink, color.

Commercial Advertising 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Commercial Advertising 230.

This is a course in advanced commercial advertising in ink and color; magazine, show card, and poster advertising.

Commercial Advertising 410-420-430-431.

Fall, winter and spring quarter. Laboratory, six hours a week.

Credit, three hours for each quarter. Prerequisite, Commercial Advertising 330.

Professional work in Commercial Advertising. Composition of figures and objects.

KINDERGARTEN AND MANUAL ARTS GROUPS.**Design 116.**

Fall quarter. Laboratory, six hours a week. Credit, three hours.

This is a condensed course in design for Kindergarten teachers. Line, dark and light, and color are taught. Problems appropriate for kindergarten teaching are introduced. Media: charcoal, ink, color.

Drawing 126.

Winter quarter. Laboratory, six hours a week. Credit, three hours.

This is a special course in drawing for kindergarten teachers. Media: charcoal, crayons.

Painting 136.

Spring quarter. Laboratory, six hours a week. Credit, three hours.

The work of this course consists of the painting of objects and landscape. Media: crayons, watercolor.

Jewelry Design 237.

Spring quarter. Laboratory, six hours a week. Credit, three hours.

Designs are made for metal work and craft jewelry carried out in materials during the last two quarters of the sophomore year and the entire junior year of the Manual Arts Groups.

For description of vocational courses, see page 185.

NOTE: Courses in the Department of Fine and Applied Art are not hyphenated. Any college student with the required prerequisites may elect one or more quarters of art work for credit.

For description of the following vocational courses given in this department, see page 185: Costume Design 51-52-53, Commercial Advertising 51-52-53, Design 51, Interior Decoration 51-52-53, Pottery 51-52-53, Pictorial Composition 51-52-53.

DEPARTMENT OF HEALTH AND HYGIENE

JESSIE LOUISE HERRICK, M. D., Professor and Director of the Department.

Health and Hygiene 230.

Fall, winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours.

This course offers an understanding of the U. S. Public Health Service, State Boards of Health, and the methods employed by health officers of a county, city, or village, in the prevention and control of communicable diseases.

It also includes personal hygiene, maternity, infant care, and home nursing with practical demonstrations, thus enabling a student to think and act intelligently in not only caring for her own health and home, but giving her a knowledge of public health that is applicable to the community in which she resides.

For description of the following vocational courses given in this department, see page 185: Health and Hygiene 32.

DEPARTMENT OF HISTORY AND SOCIAL SCIENCE

C. D. JUDD, Professor and Director of the Department; JESSIE H. HUMPHRIES, Professor of Social Economy; H. G. ALLEN, Professor; R. E. JACKSON, Assistant Professor; SUE L. OVERTON, Instructor.

The work of this department is designed to meet the needs of the following groups of students:

1. Those who wish to take certain courses in history or social science for their cultural value.
2. Those who wish to select certain courses in the department with a view to their correlation with other work.
3. Those who wish to teach history and social science, and therefore select their major or minor work in this department.
4. Those who wish to prepare for graduate work in history or social science.

HISTORY

History 210-220-230—American History.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course covers American history from the Revolution to the

present time, emphasizing the political developments as they affect social and economic problems.

History 211-221-231—Modern Europe.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course offers a study of European history from the time of Charlemagne to the present day.

History 212—Western Asia and Egypt.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course includes a study of the history of Egypt, Babylonia, and Assyria, and other western Asiatic countries bordering on the Mediterranean Sea.

History 222—Greece.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course is a study of the rise and development of Greece and Grecian civilization up to the time of the Roman conquest.

History 232 — Rome.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours.

The work embraces a study of the history of Rome from early times down to about the end of the fifth century.

History 314-324-334—History of England.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, nine hours of college history.

This is a general course in the history of England, special emphasis being placed on the evolution of social and economic institutions.

History 311—The Renaissance.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, nine hours of college history.

This course deals with the development of civilization in the period from Dante to Luther.

History 331—History of the French Revolution.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, nine hours of college history.

History 321—Protestant Reformation in Germany.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, nine hours of college history.

(These courses, History 311-321-331, offer intensive work in studying short but impressive periods of history.)

History 329—Recent Diplomatic History of the United States.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, History 210-220-230.

This course treats of the diplomatic relations of the United States since the Spanish-American War, and emphasizes especially the problems of international relations as affected by the Great War. International commerce, trade treaties, and world politics are considered.

History 339 — Latin America.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, nine hours of college history.

This course deals with the early history, the development, and the present status of the political, commercial, social, racial, and economic conditions in the Latin American States.

ECONOMICS**Economics 310-320—Principles of Economics.**

Fall and winter quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, junior standing.

This course embraces a study of the elementary principles governing the production and exchange of wealth. The practical application of economic theory to the actual concerns of everyday life is emphasized. Close lines of correlation are established between this work and that given in domestic economy and in industrial history. Present day economic problems involving the relations of capital and labor are emphasized.

Economics 330—Women in Industry.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course deals with the industrial position of women, both from the analytic and the historic points of view. The evolution of the part that woman has taken in the wage-earning world, together with the accompanying attitude of society toward her position as a wage-earner, is dealt with. A survey is made of the industries, trades, and professions now open to women, together with the respective advantages of such occupations.

Economics 411—Monopolies and Trusts.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Economics 310-320-330.

This course deals with the development of the corporation and its evolution into the modern trust. Big business is considered in its relation to our social and economic problems.

Economics 421—Railroad Transportation.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Economics 310-320-330.

This course deals with the railroad as a public utility, and considers its vital relationship to problems of distribution. Considerable attention will be given to the wage question and governmental regulation of rates and service.

Economics 431—Labor Problems.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Economics 310-320-330.

This course includes a study of relations of labor and capital, with special attention to methods of securing industrial peace.

SOCIOLOGY

Sociology 310-320-330—Principles of Sociology.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite to all advanced courses in sociology.

The work of this course deals chiefly with the elementary principles of sociology, including the discussion of the origin of our social institutions, emphasizing especially the development of the family as an institution, and its relation to the more formal institutions of society.

Sociology 410-420-430—Sociology and Modern Social Problems.

Fall, winter and spring quarters. Lecture and recitation, three

hours a week. Credit, three hours for each quarter. Prerequisites, junior standing and Sociology 320.

Sociology 410 deals with the more formal and scientific phases of the study of society, while Sociology 420 and 430 are devoted to a study of Social Pathology and social amelioration. A study is made of the causes of and proposed remedies for crime, poverty, and pauperism; of the various agencies for race betterment; and of the best methods of taking care of the dependent, defective, and delinquent classes.

Sociology 421—Rural Sociology.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, junior standing and Sociology 310-320-330.

The course deals with sociological principles as applied to rural conditions, with a view to promoting rural social betterment.

GOVERNMENT

Government 230—American Government and Citizenship.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course offers a brief study of the organization and actual working of the American government in all its branches, national, state, and local. Throughout the course emphasis is placed upon the relation of the citizen to the government and upon the duties and obligations of citizenship. A brief study will be made of the origin, principles, organization, function, and activities of political parties in the United States.

For description of the vocational course given in this department, see Sociology 32, page 185.

DEPARTMENT OF HOUSEHOLD ARTS

MARGARET GLEASON, Professor and Director of the Department; SARAH BEST, Professor of Foods; CORA EDITH SWINGLE, Associate Professor of Foods; RUBY E. BEERS, Assistant Professor of Foods; MAY E. FOLEY, Assistant Professor of Foods; DOROTHY MCFARLANE, Assistant Professor of Foods; LUCILE ROSENBERGER, Assistant Professor of Foods; ALLIE GEORGE, Instructor in Foods; KATHERINE HARPER, Instructor in Foods; IDA G. REES, Instructor in Foods; ROSA SPEARMAN, Instructor in Foods; ARDENIA CHAPMAN,

Associate Professor of Clothing; ANTONETTA BECKER, Assistant Professor of Clothing; HELEN A. BRAY, Assistant Professor of Clothing; MATTIE ANN CRADDOCK, Instructor in Clothing; MYRTLE HYRE, Instructor in Clothing; JULIA M. JACKSON, Instructor in Clothing; BERNEZ C. LOWE, Instructor in Clothing; MARGUERITE MUSGRAVE, Instructor in Clothing.

The courses in the Department of Household Arts are designed to meet the needs of the following groups of students:

1. Those who wish to make a detailed study of foods and clothing in their relation to the arts and sciences which are fundamental to the management of the home.

2. Those who wish to prepare themselves for vocations other than teaching or home making, or for vocations which can be carried on in connection with other lines of work.

3. Those who wish to teach home economics in elementary, secondary, or vocational schools, in extension work, and in higher institutions.

4. Those students who desire a general knowledge of the subject matter as a basis of application in the study of the general sciences.

Students taking work in Clothing provide all materials, subject to the approval of the instructor.

Textiles 110.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours.

An introductory course in textiles, including a general survey of the history of textiles and the development of the textile industry, the study of the production, marketing, manufacture, properties and uses of the various textile fibers. An effort is made to interest students in the opportunities for work in the textile field, open to women.

Textiles 212.

Fall, winter, and spring quarters. Lecture, recitation, and laboratory, six hours a week. Credit, three hours. Prerequisite, Textiles 110, Chemistry 110d-120d-130d.

This course deals with the microscopic study of fibers; a study of clothing structure; coloring and finishing; microscopic and chemical analysis of cloth; experiments in the chemistry of dyeing; effect of commercial dyes on fibers.

Textiles 310

Fall, winter, and spring quarters. Laboratory and recitation, six hours a week. Credit, three hours. Prerequisite, Textiles 110, Textiles 212, Design 125.

This course includes a study of the development of spinning and weaving. Practical work in weaving on hand looms. The dyeing of yarns for weaving including a comparison of the effects of natural and artificial dyes on yarns.

Textiles 420.

Winter quarter. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisites, Textiles 110, Textiles 212, Chemistry 110d-120d-130d.

This course includes advanced textile chemistry and experimental work in the dyeing of textiles. Problems in textile shopping, welfare work and child labor in connection with textile industries are considered.

Clothing 115-125—Principles of Sewing and Elementary Dressmaking.

Fall and winter quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

This course includes a study of the fundamental principles of hand and machine sewing and elementary dressmaking; the use, alteration and adaptation of commercial patterns; practice in cutting, making, and finishing garments; mending and simple embroidery. It includes the elementary study of textiles, with particular reference to the quality, cost, and appropriate use of fabrics. This course is designed for special students or as an elective group for college students who are not taking one of the Home Economics Groups.

Clothing 135.

Spring quarter. Laboratory and recitation, six hours a week. Credit, three hours. Prerequisite, Clothing 115-125, or the equivalent.

Advanced work in dressmaking, with study of wool and silk and practice in handling these materials.

Clothing 130—Fundamental Principles of Sewing and Handwork.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours.

This course, with Design 125 and Textiles 110, comprises the clothing work of the freshman year, and these three courses may be taken in any order preferred. The work of this course consists of problems

of garment construction with a review of essential sewing processes and general rules.

Students who present entrance credit in domestic art may, by permission, substitute an advanced course in clothing for this course.

Clothing 210-220.

Fall and winter quarters, or winter and spring quarters. Laboratory, six hours a week. Credit three hours for each quarter. Prerequisite, Design 125.

This course is required of all students in the Home Economics groups. The course includes a study of the fundamental principles of drafting as applied to the making of foundation patterns, and the utilization of these patterns in garment construction. Designs are made, patterns drafted and tested in inexpensive materials, and then worked out in good materials. Students gain practical experience in shopping and the application of the principles of design. Lectures in the hygiene of clothing are given. Limited sections.

Clothing 310—Modeling and Draping.

Fall and spring quarters. Laboratory, six hours a week. Credit, three hours. Prerequisites, Clothing 220 and Design 125.

Different types of garments are designed and the patterns modeled in tissue or draped in inexpensive materials. Each student drafts, fits, and pads a tight lining. Designing and fitting on form is emphasized.

Clothing 312—Children's Clothing.

Spring quarter. Laboratory, six hours a week. Credit, three hours. The purpose of this course is to give practice in the designing and construction of children's garments. It also includes work in fancy and embroidery stitches applied to children's clothing. Suggested problems: the layette, child's dress, boy's suit.

Clothing 320.

Winter quarter. Laboratory, six hours a week. Credit, three hours. Prerequisites, Clothing 210-220, Clothing 310.

This course in advanced dressmaking consists of work with wool and silk materials. Projects include a lined silk dress and a remodeled dress of wool or silk. (The designs are made and special problems in the adaptation of design to the individual types of figures, to the material desired, and to the prevailing mode are assigned). Lecture work—study of economic problems of clothing.

Clothing 410—Tailoring.

Fall quarter. Laboratory, six hours a week. Credit, three hours. Prerequisites, Clothing 310, Costume Design 210.

This course includes a study of the fundamental principles of tailoring. Projects include the designing and construction of a tailored wool suit or coat and a tailored waist.

Clothing 420—Advanced Dressmaking.

Fall, winter, and spring quarters. Lecture, recitation, and laboratory, six hours a week. Credit, three hours. Prerequisite, Clothing 310, Costume Design 210.

The purpose of this course is to develop the creative power in designing gowns for formal and informal social functions, also afternoon frocks for summer wear. Practical work emphasizes improvement in the technique of construction. The economic, hygienic, and artistic phases of the clothing problem are stressed.

Clothing 430—Advanced Dressmaking.

Fall and winter quarters. Laboratory, lecture and recitation, six hours a week. Credit, three hours. Prerequisites, Clothing 310, Costume Design 210.

The purpose of this course is to develop the creative power in designing and adapting the various costumes to meet individual needs. Projects include the designing and construction of a wool street dress, a fancy blouse, and the remodeling of one wool garment.

Clothing 431—History of Costume.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing. Recommended for students in Fine and Applied Art and Expression.

This course covers briefly the development of clothing from the origin of dress to the present time. It deals with the political and economic conditions as reflected in costumes; the evolution of dress and its development in beauty and convenience; the influence of the past on costumes of the present. Representative works of art that reflect the costume of the period are studied.

Clothing 126—Spring Millinery.

Winter and spring quarters. Laboratory, six hours a week. Credit, three hours. Prerequisite, Design 125.

This beginning course in millinery consists of making and covering

frames for spring and summer hats, with a study of bows, flowers, and other trimmings suitable for these seasons.

Clothing 216—Winter Millinery.

Fall quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Design 125.

This is a beginning course which presents fall and winter millinery. Instruction is given in the designing and making of buckram frames as well as in the covering of commercial frames. Practice in handling velvet and other fabric is obtained.

Clothing 326.

Winter and spring quarters. Laboratory, six hours a week. Credit, three hours. Prerequisites, Design 125, Clothing 310-320.

This course includes the discussion of practical and artistic principles of millinery; designing and making of buckram and wire frames of various types; study and use of different kinds of materials of hats; discussion and making of trimmings for hats.

Clothing 416—Advanced Millinery.

Fall quarter. Laboratory, six hours a week. Credit, three hours. Prerequisites, Clothing 216, Clothing 326.

This is a course which emphasizes design, color, and materials suitable for various individual types. It includes practice in draping and the making of trimmings, with some study of children's hats.

Laundering 220.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisite, Chemistry 110d-120d-130d.

This is a course designed to give knowledge and experience, to enable the student to do or to direct the work of the home laundry in the best and most efficient manner. It begins with a brief history of laundering and deals with present laundry methods; the effect of acids and alkalis upon cotton, linen, wool, and silk; the analysis and removal of stains from different kinds of fabrics; how to settle, harden and soften water. There is a study of difficulties arising from, and the correct use of, soaps and bluing; the making of starch and starching of different fabrics; experience in the best methods of laundering white linen and cotton clothes, colored cotton clothes, silks, and wools, with special instruction on laces and other trimmings. During the course practice is obtained in the use of hand power and electric

machines, sterilizers, and mangles, with a study of the best home laundry equipment.

Home Management 230.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Foods 210-220, Bacteriology 220.

This course includes: (1) a study of the different parts of the house, including the location of the house, plumbing, heating, lighting, disposal of household wastes, and other problems; (2) the care of the house, making a study of selection and care of furnishings with special emphasis on the convenient placing of equipment and the use of labor-saving devices; demonstrations and practice in the practice cottages supplement the classroom work; (3) the organization of the household on a scientific basis. A notebook is kept for use in the cottages.

Home Management 330.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week, with about twenty-four days' residence in one of the cottages. Credit, three hours. Prerequisites, Foods 210-220, Home Management 230, Laundering 220.

This course is designed to give every student an opportunity to apply knowledge gained in various college courses in the management and care of a home. The conditions approximate, as far as we are able to make them, the conditions which will be met in the individual home. Rotation of duties affords each girl practice in all phases of the work. Emphasis is placed on balanced meals and correct home service.

The class work supplements this residence in the cottage, and helps to familiarize the students with the duties and responsibilities of the home-maker toward community interests, especially the industrial problems.

Foods 110-120-130—Composition and Principles of Cookery.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Parallel, Chemistry 110d-120d-130d.

This course includes the study of fundamental principles and cooking processes in their relation to the "foodstuffs," with special stress on their application to such foods as fruits, cereals, vegetables, eggs, milk, and fats. In the second quarter emphasis will be placed on

selection and preparation of meats, fish, and poultry, while in the third quarter it will be placed upon batters and doughs, and the preservation of fruits and vegetables.

Foods 115-125—A General Course in Cooking and Serving.

Fall and winter quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

This course is designed for special students or as an elective course for college students who are not taking the Home Economics groups. General fundamental principles and cooking processes are studied in their application to the selection and preparation of fruits and vegetables, including their preservation, cereals, eggs, milk, fats, meat, fish, and batters and doughs. There is also the planning and serving of a simple breakfast, luncheon, and dinner.

Foods 135.

Spring quarter. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisite, Foods 115-125 or the equivalent.

Additional work in meal service with an introduction to the problem of dietetics.

Foods 210-220—Meal Preparation and Table Service.

Fall and winter quarters, and winter and spring quarters. Lecture and recitation, one hour a week. Laboratory, four hours a week. Credit, three hours for each quarter. Prerequisites, Foods 110-120-130, Chemistry 110d-120d-130d.

An application is made of the principles of cookery to the more complicated processes of food preparation, and the preparation of meals. Food combinations are considered and cost is computed. Meal service is used as a basis for this course with emphasis on home service.

Foods 233a—Marketing.

Lecture and recitation, one hour a week. Credit, one hour. Prerequisite, Foods 220.

The purpose of this course is to instruct in the intelligent buying of food supplies, in accounting, tests for quality and quantity. Foods are considered in relation to supply, season, transportation, and refrigeration, with discussion of various systems of buying, basis of selection, relation of producer to consumer, and the method of reducing food costs. The field includes visits to available food industries and to retail markets.

Foods 310-320-330—Dietetics.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Prerequisites, Chemistry 222, Bacteriology 220, Physiology 210 or Physiology 215, Foods 220.

Foods 310—The purpose of this course is to develop technique in handling and weighing of foods and visualizing standard portions of food. The preparation of charts, from data recorded, for the comparison of foods as to their nutritive value and cost of standard portions; the analysis of recipes with especial emphasis upon costs and weights of 100 caloric portions and servings, for cooked foods, will be considered.

Foods 320—This course follows Foods 310 with a study first, of the energy requirement of normal persons; second, the nutritive requirement for normal families, with their varying needs; third, the problem of feeding groups of individuals—cost figured and vitamins considered, in addition to the usual factors.

Foods 330—Dietetics 330 deals with the relation of the diet to persons of various ages, in abnormal conditions. This applies particularly to the more common forms of digestive disturbances. Local dietetic problems for outside work will be assigned.

Foods 331—Demonstration Cookery.

Spring quarter. Lecture and recitation, one hour a week. Laboratory, four hours a week. Credit, three hours. Prerequisite, Foods 220.

This course considers the problems confronting the professional home economics woman in presenting the subject of food selection and preparation through the eye and ear rather than by the classroom method of actually doing the work. A study is made of the types of work adapted to this method, its advantages and its limitations, and the classes of people to whom it is applicable, together with the methods of presentation. It also includes equipment, organization and itinerary.

Foods 410-420—Experimental Cookery.

Winter and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week for Foods 410. Laboratory, six hours a week for Foods 420. Credit, three hours for each quarter. Prerequisites, Foods 220, Chemistry 222, Foods 310-320.

The aim of this course is to develop independence of thought and procedure through experimental work in various fields of cookery. Class, group, and individual problems in expenditure of time, energy,

fuel, and materials in food preparation are assigned or chosen. In Food 420 each student does research work on a problem of her own choice, tabulates her results and submits an oral report to the class.

Foods 411-421-431 — Institutional Management and Cookery.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Practice or laboratory work, six hours a week. Credit, three hours for each quarter. Prerequisites, Foods 220, Foods 310-320, Bacteriology 210-220.

This course includes: (1) lectures and discussions on institutional dwellings; the arrangement, selection, installation, operation, and care of equipment; organization, keeping accounts, taking inventory, and wholesale marketing for various types of institutions; (2) practice work and observation in the College dormitories, cafeteria, and tea room.

Foods 430 — School Lunches.

Spring quarter. Lecture and recitation, one hour a week; laboratory, six hours a week. Credit, three hours. Prerequisite, Foods 210-220.

In this course a study is made of: (1) the application of the principles of food selection and preparation to the needs of both normal and exceptional children of different ages; (2) the various types of schools, such as rural schools, grade schools, and high schools, and of the character of the community in which these schools may be located; (3) the problem of organization, equipment, labor, marketing, pricing and accounting; (4) the adaptation of class work to the school lunch problems; (5) the educational, the social, and the economic value of school feeding.

Foods 412-422—Nutrition.

Fall and winter quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisites, Foods 310-320-330, Chemistry 310-320.

This course includes advanced work in the study of food values and the chemistry of human nutrition, hygiene, physiology, economic and social aspects of food in relation to personal, family, and community welfare; construction of detailed dietaries for normal and pathological conditions; individual problems and reading of recent researches, which may include dietary study of cafeteria patrons, school lunch patrons, and kindergarten children. Opportunity will be given for such field work as may be related to charitable relief, child welfare,

critical survey of dietaries of public institutions. This course is advisable for students planning to be dietitians or to teach nutrition.

Economic Problems of the Home 410.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, senior standing.

A study of consumption of wealth from the standpoint of the home manager. The application of economic facts and principles to the everyday problems of the home.

It includes a study of the organization of the retail market, the social aspect of the manufacture of foods and clothing products, and the responsibility of the consumer for conditions in the industrial world.

Household Arts 400—Pro-seminar Course.

Fall, winter, and spring quarters. Credit, three hours. Prerequisite, senior standing.

The work of this course includes both class work and individual problems which require collection of material, its organization and preparation for some definite purpose such as publication, as a college bulletin or a series of articles in newspaper or magazine. Subjects are chosen with assistance of the instructor. The course is planned to give training in working out individual solutions for specific problems, and offers opportunities not to be found in other courses.

Note: In meeting the requirements for a degree in the home economics groups, this course is considered an advanced course in home economics.

For description of the following vocational courses given in this department, see pages 185 to 194. Clothing 51-52-53, Clothing 61-62-63, Clothing 42, Clothing 31-32-33, Textiles 31, Home Management 32-33, Foods 31-32-33.

DEPARTMENT OF LANGUAGES

WILLIAM DYER MOORE, Professor and Director of the Department; T. P. COBB, Associate Professor; *WINNIE D. LOWRANCE, Associate Professor; LOIS CARLISLE, Instructor; LOUIS J. BOURDON, Instructor.

The courses offered in the department of languages are planned to fulfill the three-fold function of providing educational, practical, and cultural training in foreign languages. The uplift that comes from

*Granted leave of absence for study during session of 1922-23.

contact with the master mind is gained by a study of the masterpieces of other peoples. Skill in the vigorous use of the language is acquired by daily use in the classroom. The thorough understanding of the fundamental relation of English to its mother tongues, which is one of the primary functions of foreign language study, is developed by constant comparison of both form and content.

French 110-120-130.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. No prerequisites.

In this introductory course in French, stress is laid on correct pronunciation and acquisition of the most commonly used irregular verbs and idiomatic expressions. A simple text is read carefully. All grammar work and all written and oral exercises are based on this text, so that the student will have a thorough foundation on which to base further work.

French 210-220-230.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, French 110-120-130.

The books read in this course deal with life in France and the national traits and conditions of the French people. A systematic grammar review is given and oral and written reproductions continued.

French 310-320-330.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite French 210-220-230.

This course consists of the reading of selected novels and plays by noted authors of the nineteenth century. Oral and written resumes of the text are required. A short period is devoted to practice in rapid sight-reading.

French 410-420-430.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, French 310-320-330.

This course is a simple introduction to French literature, giving a general survey of French literary activity from 1600 to 1850, with

suitable texts for class use. Some reading of French authors outside of class work is required.

German 110-120-130.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. No prerequisites.

In freshman German, essentials of grammar are required through the reading of easy, idiomatic prose and through oral and written reproduction. The aim is to develop a feeling for German thought by a constant use of the language in the classroom.

German 210-220-230.

Fall, winter, and spring quarters. Lecture and recitations, three hours a week. Credit, three hours for each quarter. Prerequisite, German 110-120-130.

This course is primarily devoted to the reading of easy modern prose and incidentally to a rapid review of elementary grammar. Written and oral reproductions are continued.

German 310-320-330.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, German 210-220-230.

This is a more advanced reading course, consisting of prose writing and dramas from the best authors.

German 410-420-430.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, German 310-320-330.

This course offers a brief survey of the development of German literature from the scanty remnants of the earliest times through the period of efflorescence in the twelfth and thirteenth centuries with their troubadours and national epics, to that of the great classics of the eighteenth and nineteenth centuries. This last period is studied attentively through the reading of dramas and lyrics.

Spanish 110-120-130.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. No prerequisites.

Stress is laid on mastery of the elements of grammar, as evidenced by an ability to use easy Spanish correctly in writing and in oral dialogue. Much drill on pronunciation and easy reading is required.

Spanish 210-220-230.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Spanish 110-120-130.

This course undertakes a hasty review of grammar; reading of easy idiomatic Spanish texts, together with conversational practice based thereon.

Spanish 310-320-330.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Spanish 210-220-230.

This course includes composition involving points of advanced grammar, and reading from selected novels and dramas; also a freer type of conversational practice based on selections read.

Spanish 311 — Commercial Spanish.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Spanish 230.

This course is designed for students in secretarial studies, or any others who may be interested in the commercial side of Spanish-American life. Attention is centered chiefly on the acquiring of a good business vocabulary. The reading is chosen with reference to the history, commerce, and industrial relations of Latin-American countries.

Spanish 410-420-430.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Spanish 310-320-330.

This course involves some history of Spanish literature; a reading of representative classics: written compositions in connection with the texts studied.

Latin 113d-123d-133d — First Year Latin and Caesar.

Fall, winter, and spring quarters. Lecture and recitation, four hours a week. Credit, four hours for each quarter. No prerequisites.

This introductory course is meant for students who have no previous knowledge of Latin. The forms and essential principles of

syntax are studied. Daily exercises in reading and writing Latin form a part of the work from the beginning.

Latin 112d-122d-132d — Caesar and Cicero.

Fall, winter, and spring quarters. Lecture and recitation, four hours a week. Credit, four hours for each quarter. Prerequisite, Latin 113d-123d-133d or two admission units in Latin.

Due consideration is given to style and content, but the purpose of this course is to develop the power to read rapidly. Grammar and prose composition are stressed.

Latin 111d-121d-131d — Sallust, Ovid, Virgil.

Fall, winter, and spring quarters. Lecture and recitation, four hours a week. Credit, four hours for each quarter. Prerequisite, Latin 112d-122d-132d or three admission units in Latin.

The work of this course consists of prepared translations, grammatical and literary study, and sight reading.

Latin 110d-120d-130d — Virgil—Aeneid VI., Cicero — De Senectute, Livy — Book XXI.

Fall, winter, and spring quarters. Lecture and recitation, four hours a week. Credit, four hours for each quarter. Prerequisite, Latin 111d-121d-131d or four admission units in Latin.

Latin 210-220-230 — Horace — Odes, Satires, and Epistles. Tacitus — Agricola.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Latin 110d-120d-130d.

Mythology 211.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. No prerequisites.

The purpose of this course is to provide a background for the study of literature, by consideration of the origin and growth of myths and their relation to the thought of the race. The more celebrated myths of Greece, Rome, and Northern Europe are studied. This is an elective course open to all students.

Roman Life 231.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, sophomore standing.

For this course on the private life of the Romans no knowledge of Latin is required. The course consists of lectures, assigned readings, and reports.

Latin 310-320-330 — Plautus — Mostellaria, Virgil — Bucolics and Georgics, Catullus.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Latin 210-220-230.

Latin 311-321-331 — Advanced Latin Composition.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter. Prerequisite, Latin 210-220-230.

This course in advanced composition gives to the student majoring in Latin practice in writing continuous prose and original composition in Latin.

Latin 410-420-430 — Apuleius — Cupid and Psyche, Pliny's Letters Selections from Roman Poets.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Latin 310-320-330.

Note: In the advanced reading courses the authors read will differ from year to year. A student who chooses Latin as a major subject may offer no course lower than Latin 110d in meeting the minimum requirements prescribed for Latin as a major. No course lower than Latin 111d may be offered for credit in meeting the requirements for Latin as a minor subject.

A student who presents two admission units in Spanish, French, or German, will not be permitted to receive credit for Spanish 110-120-130, French 110-120-130, or German 110-120-130, but will be permitted to enter Spanish 210-220-230, French 210-220-230, or German 210-220-230. A student who presents three admission units in Spanish, French, or German, may take for credit a course not lower than Spanish 210, French 210, or German 210 and not higher than Spanish 310, French 310, or German 310, to be determined by the Director of the Department of Languages. A student who presents four admission units in Spanish, French, or German will not be permitted to receive credit for Spanish 210-220-230, French 210-220-230, or German 210-220-230, but will be permitted to enter Spanish 310-320-330, French 310-320-330, or German 310-320-330. A student who presents two admission units in

Latin may offer for credit no course lower than Latin 112d-122d-132d; a student who presents three admission units in Latin may offer for credit no course lower than Latin 111d-121d-131d; a student who presents four admission units in Latin may offer for credit no course lower than Latin 110d-120d-130d. A student is not required to take a prescribed course which she is not permitted to take for credit, such as those named herein, provided a higher course in the subject is taken and credit therefor is received. For courses that meet the requirements of a major or minor in foreign language, see page 46.

LIBRARY METHODS

CAROLINE MEYER, Librarian and Assistant Professor of Library Methods.

The course in Library Methods is planned to enable a student to gain a general knowledge of librarianship, especially the fundamental principles of library economy in its application either to the school library or a small community library; and further to acquaint a student with the arrangement and working order of libraries in general so that she may be able, with satisfaction to herself and to others, to enter any library with familiarity as to its classification and technical arrangement, and secure material or information that she may desire.

Particular attention is given throughout the course to the needs of smaller libraries. Students taking this course, consisting of two quarters, may hope to qualify themselves to assume, in connection with instructional duties, the supervision of high school libraries, and to assist in the means and methods of developing good habits and right taste in reading. It further enables them to select the best literature for various types of libraries and readers, by following the principles underlying selection and methods of evaluation that have been taught by lectures and discussions.

The course consists of two quarters of work, the second quarter correlating with the first.

The course is a prerequisite to assistantship in the College Library.

Library Methods 220.

Winter quarter. Lecture and recitation, three hours a week. Credit three hours. Prerequisite, sophomore standing.

The scope of the first quarter of work in Library Science includes general lectures and recitations on various library problems, namely, history of books and printing; publishing houses, library equipment; ordering of books; binding; mending; labeling; library handwriting; book selection; value and use of the school library; loan systems ac-

cessioning; book numbers, i. e., the arrangement of books on the shelves by means of the Cutter system; periodicals, number, value, and importance; together with elementary problems in reference work and classification of books.

Library Methods 230.

Spring quarter. Lecture and recitation, three hours a week. Practical work in the Library three hours a week. Credit, three hours. Prerequisite, Library Methods, 220.

This course coördinates with Library Methods 220, in that it considers the more technical side of library economy, together with practical training in the College Library under the supervision of the College Librarian. The practical training is intended to give the student a knowledge of the correlation of various library activities and to allow for a continuous infiltration of theory and methods.

The lectures and problems include: technical reference; advanced classification; subject and trade bibliography; cataloguing; subject headings; shelf listing; library administration; and card catalogue filing.

DEPARTMENT OF MANUAL ARTS

MARJORIE E. NIND, Professor and Director of the Department; MAE DEL FARRINGTON, Assistant Professor; EDITH R. FORCE, Assistant Professor; L. RIVES WOODSON, Instructor.

In addition to the general cultural value of the Manual Arts courses the work is especially adapted to the needs of six different groups of students: (1) those desiring to become efficient in home building and home furnishing either as home-makers or as teachers of Domestic Science and Domestic Art; (2) those who wish to specialize in craft work; (3) those who wish to become tracers and mechanical draftsmen; (4) those who wish training as teachers of Manual Arts; (5) those who wish to become linotype operators; (6) those who wish training in linotyping as an aid to journalistic work. Five groups of courses are offered: (1) Woodworking Group; (2) Mechanical Drafting Group; (3) Combined Woodworking and Mechanical Drafting Group; (4) Craft Group; (5) Linotype Group. For details concerning these groups, see page 56.

Metal Work 110-120-130.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite or parallel, Design 110-120-130.

In the course offered in metal work, instruction and practice are given in hammering brass and copper. The course includes etching, straight bending, lapping, riveting, hard and soft soldering, raising, planishing and saw piercing. Such articles as paper knives, book-ends, plates, bowls, napkin rings, sconces and lanterns are designed in the design classes and executed in the metal room. Some very simple craft jewelry is included. Courses of study and metal equipment for the home and shop are discussed.

Metal Work 111.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours. Prerequisite, Design 125 or Design 110.

A condensed course in simple metal work. Several pieces of a desk set are made, and a simple pin. The processes involved are the same as those in the longer courses, but fewer problems can be executed. Admission to Metal 120 with consent of the instructor.

Metal Work 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Metal Work 110-120-130.

This course includes some more advanced constructive problems, such as bowls, vases, and lamps. It also includes hammered silver.

Jewelry 410-420-430.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Metal Work 110-120-130.

This course includes the making of fobs, pins, rings, chains, buckles, simple stone settings, and other objects suitable to be handled in a school or studio craft shop.

Basketry 311.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours.

In this course, instruction is given in the making of sewed and woven baskets of various shapes and weaves, the materials used being reed, raffia, pine needles, and grasses.

Basketry 321.

Spring quarter. Laboratory, six hours a week. Credit, three hours.

Prerequisite, Basketry 311, Design 110 or 125. Admission after consultation with instructor.

In this course more advanced problems, such as lamps and small pieces of furniture, are made. Chair caning is also done.

Woodworking 110-120-130.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

This course is of general educational value, involving the first principles of woodwork, also the care and use of tools. Each article is complete and useful in itself, the order of the projects being arranged so as to secure a gradual introduction to the more difficult constructions, and at the same time present practical as well as aesthetic elements. The work in this course is suitable for teachers of manual art work in the fifth, sixth, and seventh grades. Wood finishing is also studied.

Woodworking 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Woodworking 110-120-130; prerequisite or parallel, Mechanical Drawing 210.

This cabinet-making course is a continuation of woodworking in connection with elementary furniture making. It includes problems usually given in the eighth grade of the public schools. Particular attention is given to the economic side of woodworking, such as the conservation of stock, and the use and finish of the cheaper woods. The pieces of furniture will involve such joinery as will give the student knowledge of all important joints.

Woodworking 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Woodworking 210-220-230.

This course consists largely of furniture construction and furniture finish. Pieces of furniture which have been designed and working drawings which have been made in the mechanical drawing classes are at this time constructed and finished. Since this is a course in quantity production, much of the work is done on machines.

Woodworking 410-420-430.

Fall, winter, and spring quarters. Laboratory, six hours a week.

Credit, three hours for each quarter. Prerequisite, Woodworking 310-320-330.

This course consists of special problems adapted to the particular needs of each student. This may mean more advanced problems in furniture construction and cabinet-making, or the elements and use of inlay, or the making of a series of models. It also includes a thorough study and practice in the mixing and applying of finishing materials for interior woodwork and furniture. A collection of wood panels is planed, scraped, sanded and finished to show the method and different kinds of wood finish. Some time is given to the re-finishing of old furniture and to upholstering. Special attention is given to the class demonstration.

Woodworking 115 — General Woodworking.

Fall and winter quarters. Laboratory, six hours a week. Credit, three hours.

This is a short course based on such problems as a woman is apt to meet in the home — putting on hinges, making closet shelves and clothes poles, painting and repairing of woodwork, reupholstering and mending furniture, in which is taught the handling of the common tools: hammer, saw, chisel, screwdriver, and plane.

Toymaking 230.

Spring quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Design 110 or 125. Desirable antecedents, Woodworking 110-120-130, Drawing 110 or 120.

This course includes the making of toy animals, toy furniture, dolls, vehicles, mechanical toys, kiddie cars, etc., using beaver board, thin wood, clay, wire, etc. The difficulty of the problems will be determined by the preparation of the student.

Manual Arts 210 — Economics of Wood and Wood Finishing.

Fall quarter. Lecture and recitation, one hour a week. Laboratory, four hours a week. Credit, three hours.

This is a practical course correlated with Home Economics including a study of wood texture and discussions and demonstrations on the preparation of wood for finishing; it deals also with the use of stains, varnishes, paint and enamel, and the removal of old finish and refinishing. A study of woods from the standpoint of furniture construction and interior wood finish is made. This course is offered not only for prospective homemakers, but is recommended for all students preparing to teach Domestic Science and Domestic Art.

Manual Arts 211.**Manual Arts 221****Manual Arts 231.**

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

This is a course for prospective teachers or supervisors in schools of the country or small town. The course contains such problems as the following: weaving of baskets; using native materials, paper and cardboard construction; woodworking, such as making small bird houses, butter workers, butter prints, butter paddles, milk stools, gates, chicken feed receptacles, stepladders, simple furniture, bee hives, chair caning, cement form making and cement garden furniture. Upholstering and wood finishing, both new work and refinishing, are considered.

Manual Arts 315—History of Manual Arts.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Education 210-220.

This is a course in the history of manual arts, its literature, laws affecting it, and its place in present educational systems. This course is prerequisite for Education 435 (h)—Special Methods of Teaching Manual Arts.

Mechanical Drawing 120-130.

Winter and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Drawing 120.

This beginner's course in Mechanical Drawing consists of lettering, use of instruments, and working drawings.

Mechanical Drawing 211.

Fall quarter. Laboratory, six hours a week. Credit, three hours. Not open to Manual Arts students; required of all Fine and Applied Arts students.

This is a course in the reading and interpretation of blueprints, working drawings, and house plans. It includes the making of free-hand perspective sketches from working drawings and the making of simple working drawings, from objects and descriptions of needs and limitations.

Mechanical Drawing 210 — Furniture Design.

Fall quarter. Laboratory, six hours a week. Credit, three hours.

Prerequisites, Mechanical Drawing 120-130, or Mechanical Drawing 211, Design 110-120-130.

The aim of this course is to make simple, practical, structural, and artistic designs for furniture, some of which will be carried out in the woodworking shop. Chairs, tables, and cabinets are designed, in various styles, followed by detailing or rodmaking, and selection of joints.

Mechanical Drawing 220 — Mechanical Perspective.

Winter quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Mechanical Drawing 130 or Mechanical Drawing 211.

This course consists of a series of problems in the theory of linear perspective, each one of which is followed by a practical application. One point, two point perspective, the perspective of horizontal, vertical, oblique lines and circles are studied and applied to the drawing of interiors, exteriors, and furniture.

Mechanical Drawing 230 — Elementary Architecture.

Spring quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Mechanical Drawing 130 or Mechanical Drawing 211.

This includes the plans, elevations, and perspectives of various types of buildings.

Mechanical Drawing 310-320 — Descriptive Geometry.

Fall and winter quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Mechanical Drawing 130.

This includes the line, point, and planes and their relationship to each other, intersection of surfaces, penetration and developments, and conic sections.

Mechanical Drawing 330 — Machine Drawing.

Spring quarter. Laboratory, six hours a week. Credit, three hours. Prerequisite, Mechanical Drawing 130.

This course includes the drawing of standard machine parts, making working sketches and drawings from machines and assembly drawings from working drawings. This is a course for those planning to teach mechanical drawing in high schools.

Mechanical Drawing 410-420-430 — Architectural Drawing.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisites, Mechanical Drawing 130, Mechanical Drawing 220-230.

This course includes a study of the orders, architectural construction, architectural rendering.

House Planning 410.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours.

This course is a non-technical course in the planning of the home, but it includes a study of plans, specifications, and building materials; the planning of a house for a family which actually exists. A prescribed reading course is given, and the method of teaching house planning to the pupil of the secondary school is emphasized.

Linotype 110a-120a-130a—Mathematics of Linotype.

Fall, winter, and spring quarters. Laboratory, two hours a week. Credit, one hour for each quarter.

This course deals with the mechanics, including measurements incident to the assemblage of linotype composition, and such mathematics of printing as it is essential for an efficient linotypist to know.

Education 413.**Education 423-433.**

For description, see Department of Philosophy and Education, page 152.

Linotype 110-120-130.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

Proper fingering, assemblage of matrices, casting and distribution are taught through individual instruction and daily practice. Students are taught accuracy, the proper heating of the metal, and proper care of the matrices and spacebands. A short course in printing is run parallel with the linotype work in order that the student may learn the proper use of linotype composition.

Linotype 210-220-230.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Linotype 110-120-130.

Linotype care, oiling and repairing of the machines, is given ample emphasis in this course, also the proper care, repairing, and cleaning of the spacebands, straightening of matrices, oiling and cleaning the

machine in general. In the printing work which runs parallel, the students are taught in platen press work such things as feeding, lockup, makeready, etc. They are also taught the cases, proper justification and handling of handset type.

Linotyping 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Prerequisite, Linotyping 210-220-230.

Linotype matrices, and combinations, the distributor and its care, linotype molds and lockup are taught in this course. The proper care of the matrices and their combinations, including proper matrices for newspaper and job composition, are considered. Special instruction is given in the care of the distributor screws and the cause of distributor trouble. The linotype mold, and its proper adjustment, etc., are impressed on the student. In the printing work, instruction is given in correct newspaper and job composition.

Linotyping 410-420-430.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Linotyping 310-320-330.

The emphasis in this course is placed on linotype erection, replacement of worn parts, and adjustment. The students are instructed in correct erection of the machine, proper position for comfort and health, the wrong and right adjustment of cams, driving gears, assemblers, etc. In the printing work, special instruction is given in typography, such as correct assemblage of linotype composition.

For description of the following vocational courses given in this Department, see page 185: Basketry 51, Woodworking 51, Linotyping.

DEPARTMENT OF MATHEMATICS

E. V. WHITE, Professor and Director of the Department;
EMMA J. OLSON, Assistant Professor.

The several courses offered in mathematics are designed to meet the cultural and practical demands of the students in the College. Some of the courses are auxiliary to other groups of courses, the major subjects of which are in other fields of woman's activities. The student's interests are generally indicated by the group of courses in which specialization is made, and in planning and executing the content of the courses this interest is constantly kept in view. At the same time advanced courses are offered for students who desire

to specialize in mathematics. Both the cultural and the practical aims are considered in the presentation of the subject matter, and in each case a suitable combination of these aims is made.

Mathematics 110 — Solid Geometry.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, high school algebra and plane geometry.

Lines and planes in space, dihedral and polyhedral angles, surfaces and volume of polyhedrons, cylinders, and cones. Emphasis is given to the fact that many of the theorems are extensions of the theorems previously studied in plane figures.

Mathematics 111 — Plane Trigonometry.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, high school algebra and plane geometry.

This course deals with the trigonometric functions of angles and the solution of plane triangles. Special preparation is made for the study of analytic geometry.

Note: The students of the literary groups, who present one-half of an admission unit in solid geometry will take Mathematics 111; students who present one-half of an admission unit in trigonometry will take Mathematics 110; students who present one-half of an admission unit in solid geometry and also trigonometry will take either Mathematics 210 or Mathematics 220.

Mathematics 113 — Industrial Mathematics.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course is especially designed to meet the needs of students in the several Manual Arts groups. Applications are made of the principles learned in plane and solid geometry to the practical problems of the laboratory. The student is taught the use of such mechanical devices as the protractor, T-square, parallel rulers, and dividers, in the various forms of mechanical construction.

Mathematics 120-130—Algebra.

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Mathematics 110 or Mathematics 111.

This course deals with theory of exponents, permutations and combinations, binominal theorem, logarithms, summation of series, and theory equations. The elementary problems of analytics are also considered.

Mathematics 210 — Advanced Algebra.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Mathematics 130.

This course is a continuation of Mathematics 130.

Mathematics 220 — Analytic Geometry.**Mathematics 230 — Analytic Geometry.**

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisites, Mathematics 110 or Mathematics 111, Mathematics 120-130.

The straight line, the circle, the parabola, the ellipse, the hyperbola, and the general equation of the second degree containing two unknown quantities are treated in these courses.

Mathematics 310-320-330 — Calculus.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Mathematics 230.

A one-year course in differential and integral calculus. The course aims to develop principles, giving at the same time many problems that involve applications.

Mathematics 321—Solid Analytic Geometry.**Mathematics 331—Solid Analytic Geometry.**

Fall, winter, or spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Mathematics 220-230.

These courses consider the coördinate systems in space, lines, planes, quadric surfaces, and general properties of surfaces.

Mathematics 410 — History of Mathematics.

Fall, winter, or spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Mathematics 310. This course presents a brief history of mathematics from the earliest period to the present.

Mathematics 420—Calculus.**Mathematics 430—Calculus.**

Fall, winter, or spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Mathematics 330.

This is a continuation of Mathematics 330, emphasis being placed upon the application of integral calculus.

Note: For special methods in the teaching of mathematics, see Education 435, page 156.

DEPARTMENT OF MUSIC

ELIZABETH LEAKE, Associate Professor of Piano and Director of the Department of Music; KATHERINE MCKEE BAILEY, Associate Professor of Piano; ELLEN MUNSON, Assistant Professor of Piano; LORENE WELCH, Assistant Professor of Piano; VERE MACNEAL, Instructor in Piano; HARRIET LUELLA ROBERTSON, Instructor in Piano; MABEL CLAIR KANOUSE, Instructor in Piano; HARRY EVERIST SHULTZ, Professor of Voice; ELISE MACCLANAHAN, Associate Professor of Voice; STELLA LEA OWSLEY, Associate Professor of Voice; MARGARET VERNELLE ALLISON, Assistant Professor of Voice; LENNIE MAY HALLMAN, Assistant Professor of Voice; HENRY H. FUCHS, Professor of Violin and Counterpoint.

The cultural value of music as an educational factor is recognized, and the work of the Department of Music is designed to present in the broadest possible manner the various phases of art. Practical courses are arranged for those who wish to pursue the study of music as development and preparation for musical vocations, as well as for students who wish to elect one or more branches as elements of general culture.

The College offers the following music courses: a four-year group of courses leading to the degree of Bachelor of Music; and a two-year group of courses leading to a special teachers' certificate. (See page 65.) In the four-year groups of courses the student chooses piano, voice, or violin as a major subject, and the subject chosen is carried each year. (See page 60.)

Private instruction in piano, voice, and violin may be taken as electives by college students pursuing any of the regular college courses. (See elective courses, page 136.) Individual instruction in vocal or instrumental music may be taken by students not otherwise connected with the College, and such students are not required to pay the regular fees required of all college students. For tuition rates, see page 144.

Pianos for practice are furnished by the College, the rental for the same being paid by the student in advance when her tuition fee is paid at the first of each quarter. (See tuition rates, page 144.) Students majoring in voice pay piano rental for practice purposes at the rates indicated on page 144.

A candidate for a degree must give a program or half-program in

joint recital during her junior year and an entire program during her senior year.

In addition to the general admission requirements to the Freshman class of the College (see page 36) an applicant for admission to a regular music course leading to a teacher's certificate or a degree, must have completed at least two years of preparatory work in the chosen major subject in a manner satisfactory to the Director of the department. In order to determine whether or not a student's preparatory work in Piano, Voice, or Violin has been done in a satisfactory manner, all applicants for admission to these courses are required to demonstrate their efficiency in their chosen major subject to the Director of the department on September 17 to 19. Applicants who are unable to give a favorable demonstration, but who meet all the other admission requirements are admitted on condition and are required to make up the condition in their major subject by taking courses numbered below 100.

A student who takes the two-year teachers' course must procure at the beginning of her sophomore year special permission from the Director of the Department of Music to continue this course. In order to continue the course the student must show sufficient maturity, personality, and teaching ability.

Special students over 21 years of age, who have unusual musical talent, may, in exceptional cases, be admitted on individual approval by the Dean of the College on the recommendation of the Director of the Department in which the applicant wishes to major, although said applicant may not be able to satisfy fully the admission requirements.

Description of Courses

THEORETICAL COURSES

Music 11-12-13—Ear Training and Sight Singing.

Fall, winter, and spring quarters. Practice, two hours a week. No credit.

Elementary musical notation. The acquirement of speed in the singing of melodies at sight. Practical work in ear training including an exhaustive study of all the intervals found in the major and minor scales. The distinction in sound between the major and minor modes. Tone thinking and melodic dictation, rhythmic study.

Note: Basic for all players, singers and music teachers. Required of all music students.

Music 110b-120b-130b—Theory of Music and Harmony.

Fall, winter, and spring quarters. Lecture and recitation, two hours

a week. Credit, two hours for each quarter. Prerequisite, a knowledge of musical notation and the ability to play simple chord successions.

This course includes tendencies of scale tones; intervals; inversions of intervals. Chords: (a) triads and their inversions; (b) chords of the dominant seventh and their inversions, secondary sevenths and their inversions, regular and irregular cadences of the chords of the seventh; (c) chords of the ninth. Figured bass writing and playing. Application of chords to melody harmonizing.

Music 210b-220b—Harmony.

Fall and winter quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter. Prerequisite, Music 110b-120b-130b or its equivalent.

This advanced course in harmony includes exercises embracing altered and mixed chords; suspensions; modulation and transposition; the harmonization of melodies, given and original, and of figured and unfigured basses. Chord analysis.

Music 230b—Form and Analysis.

Spring quarter. Lecture and recitation, two hours a week. Credit, two hours. Prerequisite, Music 210b-220b or its equivalent.

A practical application of harmony to the analysis of various forms of composition including song forms, dance forms, sonata form, fugue. The student will work chiefly from the printed page, emphasis upon harmonic analysis.

Music 213b-223b-233b — Ensemble, Sight Reading, and Accompanying.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; practice, four hours a week. Credit, two hours for each quarter.

For description, see Music 311a-321a-331a, page 135.

Music 310b-320b-330b—Elementary Composition and Counterpoint.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter. Prerequisite, Music 210b-220b-230b or its equivalent.

(a) The application of harmonic principles to the practical problems in writing. Melody formation; motives; construction of periods and phrases applied to composition in smaller forms.

(b) Simple counterpoint. Contrapuntal treatment of voice parts. Writing for two, three, and four parts with increasing and varying motion; imitations.

Music 410b-420b-430b—Advanced Counterpoint and Orchestration.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter. Prerequisite, Music 310b-320b-330b or its equivalent.

(a) Original work in the polyphonic style as applied in the invention and suite forms. Exercises in double counterpoint writing. Canon and fugue.

(b) Orchestral combinations. Drill in scoring for orchestra. Exercises in score reading. Symphony, chamber music,

COURSES IN MUSIC APPRECIATION**Music 111-121-131—Music Appreciation.**

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course is designed to develop a critical appreciation of music as an element of general culture, and of its relation to the other arts. Study is made of the elements of music, the different eras of composition, the forms and species employed. Lectures are illustrated by musical numbers given by the instructor and others, and by the use of the Victrola.

Music 117a-127a-137a—Music Appreciation.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter.

This course is designed to develop an appreciation of music as an element of general culture, and of its relation to the other arts. Study is made of the elements of music, the different eras of composition, the forms and species employed.

Lectures illustrated by musical numbers.

Music 211b-221b-231b—Music Appreciation.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter. Prerequisite, Music 111-121-131.

This elective course is a continuation of Music 111-121-131, and includes special studies in vocal, instrumental and orchestral music of all eras and schools. Detailed study of oratorio, opera, and the symphony, with analyzation of forms and a comprehensive study of style. Musical illustrations by Victrola and instruments.

CHORUS

Music 112a-122a-132a.

Music 212a-222a-232a.

Music 312a-322a-332a.

Music 412a-422a-432a.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, one hour for each quarter.

No student will be admitted to these courses unless she has some knowledge of musical notation, i. e., can work out chorus parts at the piano, and has had at least one year of voice study. Students' voices must be tested and approved before classification is made. The courses are open to all students of the College who meet the requirements given above.

The courses offer elementary training in sight-singing and are designed to provide a festival chorus for use in connection with soloists and orchestra.

ORCHESTRA

Music 113a-123a-133a.

Music 213a-223a-233a.

Fall, winter, and spring quarters. Recitation, two hours a week and one hour daily outside practice. Credit, one hour for each quarter. Open to any student of the College on the following conditions:

No student will be admitted to these courses unless she can play at sight music of moderate difficulty upon some orchestral instrument, strings, wood-wind, or percussion instrument. Instruction in the orchestral instruments will be offered to students who, upon attaining the required degree of efficiency, will be admitted to the orchestra.

These courses offer elementary training in class playing, tonal effects and orchestra conducting, and are designed to provide an orchestra to be used by the College upon occasions of convocation.

VOICE

Music 114-124-134—Voice.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

This course consists of a thorough training in methods and voice placing, with practical application of methods with Italian Melodies of Vaccai.

Music 214-224-234 — Voice.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

Vocalises, progressive exercises, and songs are required.

Music 314-324-334—Voice.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

Vocalises, Abt, Marchesi, Songs of Schumann, Schubert, Franz, Brahms, and other masters are studied.

Music 414-424-434—Voice.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

This course consists of Vocalises, Repertoire, Master Songs, Oratorio, and opera selections.

VIOLIN**Music 115b-125b-135b.**

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours practice daily. Credit, two hours for each quarter. Prerequisite, freshman rank in music.

This course includes Mazas, Kreutzer Etudes, Sevcik op. 2, Book 1, Sevcik op. 1, Book 1, Sevcik op. 7, Accolay concerto, Rode Concerto, de Beriot op. 100, and solos of medium difficulty.

Music 215-225-235.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and three hours daily practice. Credit, three hours for each quarter.

This course includes Kreutzer continued, Dancla Op. 73, Sevcik Op. 2, Book II, Sevcik Op. 8, Sevcik Op. 9, Sevcik Op. 1, Book II, Spohr, de Beriot, Mozart Concertos, and solos of modern and classical composers.

Music 315-325-335.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and three hours daily practice. Credit, three hours for each quarter.

This course includes Dont gradus, et parnasum, Alard, Sevcik Op. 2, Books III, IV, Sevcik Op. 1, Book III, Mendelssohn, Bruch, Godard Concertos and compositions of equal difficulty.

Music 415-425-435.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and three hours daily practice. Credit, three hours for each quarter.

This course includes Etudes by Gavinies, Wieniawski, Bach Sonatas for Violin alone, Sevcik Op. 1, Book IV, Sevcik Op. 2, Books V, VI, Concertos by Vieuxtemps, Beethoven, Wieniawski, Ernst, Aïre Hongroise, Saint-Saëns Rondo Capriccioso, Sarasate Zigeuner-Weisen, Paganini, Moïse Fantasia, and other difficult solos.

PIANO

Music 116b-126b-136b.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and two hours daily piano practice. Credit, two hours for each quarter. Prerequisite, freshman rank in music. (See page 129.)

The work consists of selected studies from Czerny, Cramer, and others; Bach two-part Inventions, easier Sonatas from Haydn, Mozart, Scarlatti; Compositions from classic and modern composers.

Music 216-226-236.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and three hours daily piano practice. Credit, three hours for each quarter.

The work consists of selected studies from Cramer, Czerny, and others; Bach Three-part Inventions, French Suites; Sonatas and other compositions of Beethoven; Concertos, Mozart, Mendelssohn, Beethoven, or Hummel; Piano Solos.

Music 316-326-336.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and three hours daily practice. Credit, three hours for each quarter.

The work consists of selected studies from Cramer, Czerny, Clementi's "Gradus"; Bach Suites, Partitas, Preludes, and Fugues; Sonatas, Concerto; Etudes from Chopin, Classical and Modern Compositions.

Music 416-426-436.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and three hours daily practice. Credit, three hours for each quarter.

This course involves special studies for Virtuosity; Bach Well Tempered Clavichord, Chopin Etudes, Sonatos, Concertos, Repertoire.

OTHER MAJOR COURSES**Music 119b-129b-139b — History of Music.**

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter. No prerequisites.

The development of the Art and Science of Music is traced from the earliest records to the present day, special emphasis being placed upon the period from Bach (1685) to the death of Wagner (1831). Musical illustrations of the works of the periods are given, and outside reading is required.

Music 317—Sounds as Related to Music.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

The nature of sound waves; the scientific basis of our musical system; application of physical principles to the different musical instruments of the modern orchestra; acoustics of buildings; a study of the physiology and psychology of tone-production.

Music 311a-321a — Ensemble, Sight-Reading and Accompanying.

Fall and winter quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter. To enter this class a technical proficiency equivalent to sophomore standing is required.

Practice in playing at sight is given in the class, progressing from elementary pieces and studies to more difficult compositions. Practice in the accompaniment of voices and of the violin is given, also in two piano playing. Violin students have the opportunity to do ensemble playing in College orchestra in addition to sight reading classes. Students of voice are trained in duet, trio, and quartet singing in addition to sight singing and chorus.

Music 331a — Recital.

Credit, one hour. A full program or half program in joint recital, to be given during the spring quarter.

Music 210a-220a-230a — Practice Teaching.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; teaching, two hours a week. Credit, one hour for each quarter.

Two hours a week are required in practice teaching, full notes being made of these hours. Special stress is laid upon foundation principles in teaching. Teaching material must be examined and reports made at class hour. Parallel reading on the subject of music teaching is required.

Music 437a — Recital.

Credit, one hour. An entire program of Voice, Violin, or Piano numbers according to the major subject chosen is required of all applicants for degrees.

ELECTIVE COURSES

The courses listed above are open as electives to students other than those majoring in music, subject to prerequisite requirements, which are determined by the director of the department concerned.

The courses listed below are for students not majoring in music; therefore, a candidate for a degree in music is not permitted to offer an elective course in her major subject.

Piano**Piano A11-12-13.**

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

This course considers preparatory hand position; notation; studies from Schmidt Gurlitt; Loeshorn; Heller and others; small classics; sonatinas. Selected studies from Czerny op. 821, Czerny op. 299, Bks. I and II; Mendelssohn "Songs Without Words"; Bach "Little Preludes."

Piano B21-22-23.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

This course is a continuation of Piano A11-12-13.

Piano C21-22-23.

Fall, winter, and spring quarters. Two thirty-minute private

lessons a week and two hours daily practice. Credit, three hours for each quarter.

This course is the same as Piano B21-22-23 except that two hours daily practice are required.

Piano A111-121-131.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter. The work is taken from Music 116-126-136 according to the individual need of the student.

Piano B112-122-132.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 116-126-136.

Piano C112-122-132.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and two hours daily practice. Credit, three hours for each quarter.

The work is taken from Music 116-126-136.

Piano A211-221-231.

Fall, winter, and spring quarters. One thirty-minute private lesson a week, and one hour daily practice. Credit, one hour for each quarter. The work is taken from Music 216-226-236.

Piano B212-222-232.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 216-226-236.

Piano C212-222-232.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

The work is taken from Music 216-226-236.

Piano A311-321-331.

Fall, winter, and spring quarters. One thirty-minute private

lesson a week, and one hour daily practice. Credit, one hour for each quarter.

The work is taken from Music 316-326-336.

Piano B312-322-332.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 316-326-336.

Piano C312-322-332.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

The work is taken from Music 316-326-336.

Piano A411-421-431.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

The work is taken from Music 416-426-436

Piano B412-322-432.

Fall, winter, and spring quarters. Two thirty-minute private lesson a week and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 416-426-436.

Piano C412-422-432.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

The work is taken from Music 416-426-436.

VOICE

Voice A11-12-13.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice with piano. Credit, one hour for each quarter.

Voice B21-22-23.

Fall, winter, and spring quarters. Two thirty-minute private

lessons a week and one hour daily practice with piano. Credit, two hours for each quarter.

Voice C31-32-33.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

Voice A111-121-131.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice with piano. Credit, one hour for each quarter.

The work is taken from Music 114-124-134 as follows: a thorough training in methods and voice placing, with practical application of method with Italian Melodies of Vaccaj.

Voice B112-122-132.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one hour daily practice with piano. Credit, two hours for each quarter.

The work is taken from Music 114-124-134 as outlined above.

Voice C113-123-133.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

The work is taken from Music 114-124-134 as outlined above.

Voice A211-221-231.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice with piano. Credit, one hour for each quarter.

The work is taken from Music 214-224-234 as follows: Vocalises, progressive exercises, and songs.

Voice B212-222-232.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one hour daily practice with piano. Credit, two hours for each quarter.

The work is taken from Music 214-224-234 as outlined above.

Voice C213-223-233.

Fall, winter, and spring quarters. Three thirty-minute private

lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

The work is taken from Music 214-224-234 as outlined above.

Voice A311-321-331.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice with piano. Credit, one hour for each quarter.

The work is taken from Music 314-324-334 as follows: Vocalises, Abt, Marchesi, Songs of Schumann, Schubert, Franz, Brahms.

Voice B312-322-332.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one hour daily practice with piano. Credit, two hours for each quarter.

The work is taken from Music 314-324-334 as outlined above.

Voice C313-323-333.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

The work is taken from Music 314-324-334 as outlined above.

Voice A411-421-431.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice with piano. Credit, one hour for each quarter.

Voice B412-422-432.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one hour daily practice with piano. Credit, two hours for each quarter.

Voice C413-423-433.

Fall, winter, and spring quarters. Three thirty-minute private lessons a week and one and one-half hours daily practice with piano. Credit, three hours for each quarter.

VIOLIN

Violin A11-12-13.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

Violin B21-22-23.

Fall, winter, and spring quarters. One thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

Violin C21-22-23.

Fall, winter and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

This course is the same as Violin B21-22-23 except that two hours of daily practice are required.

Violin A111-121-131.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

The work is taken from Music 115-125-135.

Violin B112-122-132.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 115-125-135.

Violin C112-122-132.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

This course is the same as Violin B112-122-132 except that two hours of daily practice are required.

Violin A211-221-231.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

The work is taken from Music 215-225-235.

Violin B212-222-232.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 215-225-235.

Violin C212-222-232.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

This course is the same as Violin B212-222-232 except that two hours of daily practice are required.

Violin A311-321-331.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

The work is taken from Music 315-325-335.

Violin B312-322-332.

Fall, winter, and spring quarters. Two thirty-minute private lessons and one and one-half hours daily practice. Credit, two hours for each quarter.

The work is taken from Music 315-325-335.

Violin C312-322-332.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

This course is the same as Violin B312-322-332 except that a daily practice of two hours is required.

Violin A411-421-431.

Fall, winter, and spring quarters. One thirty-minute private lesson a week and one hour daily practice. Credit, one hour for each quarter.

The work is taken from Music 415-425-435.

Violin B412-422-432.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one and one-half hours daily practice. Credit, two hours for each quarter.

Violin C412-422-432.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and two hours daily practice. Credit, three hours for each quarter.

This course is the same as Violin B412-422-432 except that a daily practice of two hours is required.

Orchestral Instruments

The courses listed below represent individual or private lessons that may be taken upon one of the following orchestral instruments: cornet, clarinet, flute, baritone, trombone, French horn, saxophone, bass.

Music 118a-128a-138a.

Music 218a-228a-238a.

Music 318a-328a-338a.

Music 418a-428a-438a.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and one hour outside practice daily. Credit, one hour for each quarter.

Chorus

For admission to College Chorus, see conditions, page 132.

Rehearsals are held twice a week in the College auditorium and are catalogued as Music 112a-122a-132a, etc. Not less than three hours of credit in Chorus may be used to apply toward graduation.

Orchestra

The purpose of the College Orchestra is to give students an opportunity of study and experience in orchestra playing and to provide an orchestra to be used for the College assembly, and to co-operate with the College Chorus, in performance of representative choral work.

Rehearsals are held twice a week, and the course is catalogued as Music 113a-123a-133a, etc. Not less than three hours of credit in Orchestra may be used to apply toward graduation.

Concerts and Recitals

Class recitals are given each month, in which the students play or sing for each other, and opportunity for public performance is given when a student is sufficiently advanced. Recitals by members of the faculty, in which students learn much of educational value, are also given from time to time. In addition to the student and faculty recitals there is an Artists' Course offered during the year in which leading concert artists appear. See page 228.

Music Tuition

Students at the College who receive instruction in piano, voice, violin, orchestral instruments, and the theoretical and historical courses, must pay tuition and piano rental for each quarter in advance. The terms are as follows:

Piano

	Three lessons a week	Two lessons a week	One lesson a week
Miss Leake, per quarter.....		\$45.00	\$22.50
Miss Bailey, per quarter.....		42.00	21.00
Miss Munson, per quarter.....		36.00	18.00
Miss Welch, per quarter.....		36.00	18.00
Miss Kanouse, per quarter.....		36.00	18.00
Miss MacNeal, per quarter.....		33.00	16.50
Miss Robertson, per quarter.....		30.00	15.00

Voice

Mr. Shultz, per quarter.....	\$67.50	\$45.00	\$22.50
Miss Owsley, per quarter.....	67.50	45.00	22.50
Miss MacClanahan, per quarter.....	63.00	42.00	21.00
Miss Allison, per quarter.....	45.00	30.00	15.00
Miss Hallman, per quarter.....	45.00	30.00	15.00

Violin

Mr. Fuchs, per quarter.....	\$45.00	\$22.50
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Orchestral Instruments

Mr. Ault, per quarter.....	\$30.00	\$15.00
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Piano Rental for Students of Piano and Voice

One hour per day, per quarter.....	\$3.00
Each extra hour per day, per quarter.....	3.00

Piano Rental for Students of Violin

One hour per day, per quarter.....	\$1.25
One and one-half hours per day, per quarter.....	2.00
Two hours per day, per quarter.....	2.50

Theoretical and Historical Courses

Music 317.....	\$5.00
Harmony, freshman, sophomore, junior courses, per quarter.....	\$5.00
Orchestration, senior course, per quarter.....	5.00
History of Music, freshman course, per quarter.....	5.00

Note: Fees are not refunded to students who withdraw from courses in piano, voice, and violin.

DEPARTMENT OF PHILOSOPHY AND EDUCATION

RICHARD J. TURRENTINE, Professor and Director of the Department; F. G. JONES, Associate Professor; JOAN HAMILTON, Associate Professor and Supervisor of Teacher-Training in Vocational Home Economics; EMMA B. JENSEN, Associate Professor and Supervisor of Practice Teaching in Home Economics; GRETA E. SMITH, Associate Professor and Supervisor of Practice Teaching in Home Economics; MARTHA D. FINK, Assistant Professor and Director of Kindergarten Education; MAUDE B. DAVIS, Assistant Professor; JEWELL LOCHHEAD, Assistant Professor; MRS. CATHERINE GRAVES KING, Assistant Professor and Director of Public School Music; MRS. GERTRUDE MORRISON, Instructor in Kindergarten.

The courses offered in philosophy in the Department of Philosophy and Education include psychology, logic, ethics, introduction to philosophy, and philosophy of education. The courses in philosophy may be elected by students of junior or senior rank. Students who are pursuing a group of courses leading to the degree of Bachelor of Arts are required to take a minimum of six hours in philosophy.

The courses offered in education in the Department of Philosophy and Education serve a two-fold purpose. Fundamentally these courses are designed to give special training to college students who expect to make teaching a profession. The increasing demands which are being made upon teachers necessitate special training on the part of those who contemplate entering the profession. Teachers and supervisors of kindergartens, of public school music, of language (Latin, French, German, and Spanish), of agriculture, of home economics, of commercial subjects, of reading, of manual training of physical training, of music (vocal and instrumental), of public school drawing, and of regular primary, intermediate, grammar-grade, high school, and college work demand courses in education which meet the requirements of the school laws of the State for teachers' certificates. They secure from such courses much needed professional training. In addition, however, to the specific purpose of training teachers and prospective teachers, many of the courses offered in education are highly desirable for those who are to follow other lines of work. Courses in education are elected by students because of their practical and cultural values. The courses in child-study, as well as other related courses offered in the department, are designed primarily for home environment.

Teachers' Courses

Special opportunities are offered in the teacher-training courses for observation and practice teaching. Courses in general administration and in special methods are given for those who desire to obtain special training along these lines of school work. Students who complete satisfactorily the number of academic and professional courses prescribed by the laws of Texas secure the State teachers' certificates. Various kinds and grades of State certificates are issued by the State Department of Education, without examination, to college students who meet the requirements.

Students who complete the courses offered in the Public School Music group receive a diploma from the College. This diploma represents two years of college work, and testifies that the holder is qualified to teach and supervise public school music. Students who complete the courses listed in the Kindergarten Education group receive a diploma from the College and a State Kindergarten certificate from the State Superintendent of Public Instruction. This certificate is valid for four years, and authorizes its holder to teach in any public kindergarten school of Texas. It may be exchanged without cost and without examination for a State permanent kindergarten certificate when the holder shall have taught for three years in a public kindergarten school of Texas.

DEMONSTRATION HIGH SCHOOL

A knowledge of academic and professional subjects is inadequate preparation for the most effective service as a high school teacher. Successful experience in a teacher-training department, gained under a trained supervisor, adds much to the efficiency of the prospective high school teacher. The school laws of Texas require persons who secure permanent certificates at the time of degree graduation from standard colleges to offer practice teaching as a part of their professional training. To meet this demand the College of Industrial Arts maintains a demonstration high school which is a component part of the work of the Department of Education. This demonstration high school is organized and administered by the Department of Education and is in no sense a "fitting school" or preparatory department. It is organized and maintained exclusively for the purpose of offering laboratory work for students of senior rank who desire to prepare for effective and efficient work as teachers in secondary schools.

Young women who are sixteen years of age, and who are prepared to do work of eleventh grade high school rank, are admitted to the demonstration high school. This work is conducted as a separate and

distinct unit in the Department of Education, and the young women who enroll for this work are referred to as "demonstration high school pupils" and not as "college students." From seventy-five to one hundred demonstration high school pupils can be accommodated at the present time. Local students from Denton may enroll. In accepting non-resident students, preference is given to young women from Texas communities in which there are no affiliated high schools.

The classes in the demonstration high school are taught by college students of senior rank who work under the constant supervision of trained supervisors. Ideal class room conditions prevail, and the work in the demonstration high school is much superior to that offered in the average high school of the State. Pupils are admitted from the demonstration high school to freshman classes in the College without examination. Classes are organized and taught in English, mathematics, American history and government, physics, Latin, Spanish, home economics — including cooking, sewing, home nursing, and home management — applied art — including design, costume design, and house decoration — and physical training. Upon the recommendation of the director of the demonstration high school, pupils are permitted to take private lessons in instrumental and vocal music, and in reading (expression) provided that such work shall not be offered to absolve admission credits to College.

The work of the demonstration high school is under supervision of the Director of the Department of Education. He is assisted by a group of trained supervisors who spend their time in the classes which are being taught by student-teachers of senior rank. The interest and welfare of the demonstration high school pupil is carefully preserved, and at the same time the student-teacher secures professional training of incalculable value.

NOTE: In view of the fact that only a limited number of demonstration high school pupils can be accepted at the College, parents and patrons who desire the services rendered by the demonstration high school should write to the Registrar early in the spring and summer months in order that reservations may be made.

Teacher-Training Course in Vocational Home Economics

The College of Industrial Arts responded to requests made by the state and federal boards for teacher-training under the federal law known as the Smith-Hughes Act. This act was passed by Congress for the purpose of promoting vocational education throughout the United States. It seeks to secure the coöperation of the States in the promotion of education in agriculture, home economics, and the trades and industries. The training of teachers is an important phase of the

Smith-Hughes plan. The groups of teacher-training courses, representing four years of college work, offered by the College, have been approved by both the state and federal boards, and prepare young women to teach vocational home economics as well as non-vocational home economics.

The courses offered in the teacher-training groups give equal emphasis to foods, to textiles and clothing, and include a good balance of related subjects and professional and general academic subjects.

For full information as to the content of these groups, see page 49.

State Teachers' Certificates Based on College Credits

The recently enacted certificate law of Texas provides for second class, first class, and permanent elementary certificates; second class, first class, and permanent high school certificates; temporary and permanent special certificates. Elementary certificates of the second class and high school certificates of the second class are secured by examination only. Certificates of the first class, permanent certificates, and special certificates are secured on college credits only.

A two-year elementary certificate of the second class shall be valid only in elementary schools, grades one to seven, inclusive. A two-year high school certificate of the second class shall be valid in elementary schools, grades one to seven, inclusive, and in third class high schools, and unclassified high schools, but not in first and second class accredited high schools. A four-year elementary certificate of the first class shall be valid only in elementary schools, grades one to seven, inclusive. A six-year elementary certificate based upon the completion of two years of college work shall be valid in elementary schools, grades one to seven, inclusive, in unclassified high schools, and in high schools of the third class. A four-year high school certificate of the first class, a six-year high school certificate of the first class, and a permanent high school certificate shall be valid to teach in any elementary grade or in any high school. Special Kindergarten certificates and other special certificates shall be valid to teach only the special subject indicated in the certificate. The validity of a certificate shall begin with the date of the completion of the work on which the certificate is granted, and shall expire on the 31st day of August of the calendar year, for the specified length of time for which the certificate was issued.

Note: Students who desire to offer courses in Education to meet the legal requirements for State teachers' certificates should bear in mind that catalogue courses must be listed as Education if they meet the requirements of the law for certificates. For example, "Education

310—History of Education” meets the requirement and is listed as Education. “Psychology 310—Child Study” does not meet the requirements and is not listed as Education.

Philosophy

Philosophy 321 — Introduction to Philosophy.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing.

In this course a brief study is made of important philosophical problems and emphasis is given to the different schools of thought.

Philosophy 322 — Logic.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing.

The object of this course is to give students a knowledge of the methods and forms of correct thinking and to point out some of the most common errors found in reasoning.

Philosophy 323 — Ethics.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing.

The general object of the course is to develop in the student an appreciation of moral values and obligations, both individual and social. Problems of the present day relating to the home, the school, the community, the church, and the State are freely discussed and guiding principles worked out.

Education 410 — Philosophy of Education.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

In this course a study is made of the leading theories that affect modern educational thought and practice. Critical consideration is given to recent contribution to the philosophy of education. Extensive reading, a thesis and class discussion make up the work of this course.

Philosophy 414 — General Psychology.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing.

This course is designed to meet the needs of students who are interested in psychology from the scientific and cultural point of view as well as those to whom it may be a benefit professionally. A study is made of the more complex processes of perception, memory, imagina-

tion, emotion, volition, reason, and ideation. Psychological phenomena are considered from both the physiological and sociological viewpoints. Readings, reports, and themes are required.

Note: Students who meet the requirements in philosophy for the degree of Bachelor of Arts offer six hours or two quarters of work selected from the following courses: Philosophy 414, Philosophy 321, Philosophy 322, Philosophy 323. (See page 47.)

Psychology

Education 210 — Educational Psychology.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course considers the important phenomena of mental life with special reference to education. It includes a study of the nature and laws of instinct, habit, emotion, imagination, memory, apperception, and reason. The native responses of the child and their modification by education and the various types of learning receive attention.

Education 220—Educational Psychology.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours.

The work indicated in Education 210 is continued during the winter quarter. Emphasis is placed upon those phases of mental development which give the student a better understanding of the teaching processes. In addition to the textbooks used as a basis for the work, references are given and reports of observation are made.

Education 421 — Social Psychology.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

This course considers the psychological laws that condition the origin and growth of social customs, ideals, and institutions. Attention is given to social suggestion, imitation, the crowd, public opinion, ceremony, conventionality, class consciousness, and fashion.

Psychology 310 — Child Study.

Fall, winter, and spring quarters. Lectures, recitation, and observation, three hours a week. Credit, three hours.

A study is made of infancy and childhood. Emphasis is placed upon the psychological aspects of child life. Special attention is given to the motor responses of children, play instincts, development of the

sense organs, methods of detecting and directing those who may have defective sense organs, and the training of children in the home. Young women have an opportunity in this course to study children through observation and practice and to acquire useful information concerning the care and training of children in the home. The course is designed primarily for the home environment, and is not offered especially for kindergarten or primary teachers. The Kindergarten Training School offers excellent opportunities for observation work.

History of Education

Education 310 — History of Education.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

The important educational systems are traced from the earliest times to the Renaissance. Special emphasis is placed upon the educational contribution of Greece. A study is made of the early Christian schools, of monasticism, scholasticism, and chivalry. References, outlines and reports are made.

Note: Education 320, History of Education, must be taken in connection with Education 310, History of Education, in order that a college student may secure credit toward a degree for Education 310. History of Education is a two-quarter course in all standard colleges.

Education 320 — History of Education.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

This course includes a study of the Renaissance and the Reformation. Modern movements in education are considered. Special emphasis is given to the consideration of the contributions made by Comenius, Herbart, Basedow, Horace Mann, Froebel, Rousseau, Pestalozzi, Parker and Montessori.

Education 330 — History of Education.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

The important educational movements in America are considered in this course. A study is made of several of the state systems of schools. The Texas system of schools is studied in comparison with those of other states.

Education 332 — History of Elementary Education.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

In this course a study is made of the history of modern elementary education. Prospective teachers who contemplate teaching in primary and elementary grades of the public schools should be interested in the topics studied. Special emphasis is placed upon the content of the course of study in the elementary schools of Texas and other states.

Elementary Education

Education 340 — Primary Methods.

Fall, winter, spring, and summer quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

This course considers the practical methods of teaching reading, spelling, writing, music, and drawing to beginners and to pupils in the first and second grades. Devices are used, but emphasis is placed upon principles. Observation of actual class instruction is a part of the work of this course.

Education 413 — Primary Hand Craft.

Fall quarter. Laboratory, six hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

The work given in this course prepares teachers to present handwork to the pupils of the primary grades of the public schools. Among the different types of work considered are freehand paper cutting, crayon and brush work, posters, the construction of a playhouse or store, clay modeling, elementary copying, saw work, weaving, and stick printing.

Education 423-433—Intermediate and Upper Grade Handwork.

Winter and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisites, Education 210, Education 220.

The work given in this course prepares teachers to present handwork to the pupils of the intermediate and upper grades of our public schools. The course is planned to show that the work may be carried on in the ordinary classroom, at very little expense, and with little or no equipment. Emphasis is given both to the methods of presenting handwork in the grades and to ways and means of securing material at a nominal cost. Basketry, toymaking, thin wood construction, elementary bookbinding, metal work, and illustrative work are some of the types of work considered.

Note: Education 413, Education 423-433 are given in the Department of Manual Arts.

Educations 312—Elementary School Practice.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

This course presents to the teacher of the intermediate grades and to the student of education the vital elements of modern practice in the elementary schools with special reference to the work of the intermediate grades. Practice rather than theory is studied, based upon its application and thorough trial in the teaching of elementary school subjects in some of the best grade schools.

Education 322—The Elementary School Curriculum.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

This course considers (1) the development of the principles of selection and improvement of the elementary school curriculum, (2) the application of these principles in offering a suggestive curriculum adapted to the needs of the elementary schools. The course considers means for the revision and for more completely socializing the entire curriculum. As a means of selection and revision some of the best courses of study and modern methods of presentation are studied.

Education 334—Rural School Problems.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

In this course a study is made of problems of instruction and administration which are of special interest to teachers in rural schools. Attention is given (1) to the social changes affecting rural school life and the fundamental agencies in rural life; (2) to the organization and administration of the rural school; (3) to the curriculum for the rural school with particular reference to the existing conditions in Texas.

Secondary Education**Education 420 — The High School — Its Organization and Administration.**

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

In this course a study is made of the psychology of the adolescent period. Methods of organization and administration of high schools receive attention. Readings, recitation, and class discussions are required.

Education 436—The High School—Its Problems.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

In this course a study is made of the problems of instruction and administration which arise in connection with high school work. Special emphasis is placed upon conditions as they exist in Texas high schools with reference to the content of the course of study, methods of instruction, and the organized activities of high school students.

Education 426—The Psychology of the High School Subjects.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

The purpose of this course is to apply the facts and principles of adolescent psychology to instruction in the high school subjects. The technique of the recitation will be given critical study in the light of the aims, interests, and needs of the adolescent mind.

School Administration.**Education 331—Educational Sociology.**

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

The work of this course is closely correlated with that of Education 311. Its aim is to lead students to see that educational aims are determined by social needs and that the educational values are measured in terms of social values. The school is considered as an organism, having for its function the preparation for social service.

Education 311—Principles of Teaching.

Fall and winter quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

This course is a scientific study of education from the biological, psychological, and sociological viewpoints, dealing with aims, values, and principles. References, reports, and theses are required.

Education 321—Principles of Teaching.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Education 311.

This course is a continuation of Education 311.

Education 432—Vocational Education.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisites, Education 210, Education 220.

In this course a study is made of the vocational aspects of education. The various forms of schools that have been established in the United States and other countries, which have for their purpose the training for vocations, are given attention. Readings, reports, and theses are required.

Education 324—Mental Measurements and Their Use.

Winter quarter. Lecture and recitation, three hours a week; laboratory work in the Teacher-Training School. Credit, three hours. Prerequisites, Education 210, Education 220.

A study is made of the theory and practice of measuring mental growth. Attention is given to the development and standardization of scales, the tabulation and the interpretation of results, the correlation of intelligence quotients and classroom achievement, and the application of scientific methods to experimental education. The course aims to make the prospective teacher thoroughly familiar with the scales now generally used as a basis for scientific school supervision and administration.

Education 415—Vocational Home Economics Education.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, senior standing.

This course is a general review of vocational education; a study of legislation dealing with vocational education in the United States; general policies and means of administering the federal vocational education act; types of schools, with the general aim of each. This course meets the needs of students who contemplate teaching, directing, or supervising home economics in high schools and colleges, with special reference to the provisions of the Smith-Hughes Act.

Note: Education 415 is offered primarily for senior students who are meeting the requirements for the teaching of home economics according to the Smith-Hughes Act. Only such college students are given credit for this course. Other students of senior rank may take the course as non-credit work.

Professional Methods and Practice Teaching.

Education 230—General Methods.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours.

This is a practical course in modern school methods and in classroom management. A study is made of the gradation and classification of pupils, of school sanitation and schoolroom decoration, of the

principles of good order and proper discipline, of the promotion, demotion, and retention of pupils, of desirable record making and record keeping, of supervising the study-recitation, of securing and using libraries and other physical equipment, of school and community organizations. The work consists of assigned readings, class reports, and class discussions.

Education 435—Special Methods.

All quarters. Three hours a week. Credit, three hours. Prerequisites, junior standing, Education 210, Education 220.

Special methods are offered in the following subjects:

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|--------------------------|-------------------------|
| (a) Biology | (i) Mathematics |
| (b) English | (j) Music |
| (c) Fine and Applied Art | (k) Physical Training |
| (d) History | (l) Physics |
| (e) Home Economics | (m) Public School Music |
| (f) Kindergarten | (n) Reading |
| (g) Languages | (o) Rural Arts |
| (h) Manual Arts | (p) Secretarial Studies |

Education 430—Observation and Practice Teaching.

All quarters. Three hours a week. Credit, three hours. Prerequisites, senior standing, Education 210, Education 220. Students are strongly urged to take Education 435 before doing their practice teaching.

Opportunities are offered for observation and practice teaching in the following subjects: (a) Biology; (b) Chemistry; (c) English; (d) Fine and Applied Art; (e) History; (f) Home Economics; (g) Kindergarten; (h) Languages—Spanish, French, Latin; (i) Manual Arts; (j) Mathematics; (k) Music; (l) Physical Training; (m) Physics; (n) Public School Music; (o) Reading; (p) Rural Arts; (q) Secretarial Studies.

Provision is made for students to do teaching in the department in which they specialize. Hours and classes are arranged by the Director of the Demonstration High School in conference with the directors of the departments concerned. Lesson plans are required and the teaching is done under the direction of a specialist, who is a member of the faculty.

Public School Music

Public School Music 119-129-139 — Methods.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course considers the aims of education; the place of music in education; the mental and physical development of the child from the kindergarten to the college; and the music to be given in each stage of development; the methods, materials, and problems of the primary and the grammar grades; the child voice, its care and treatment; monotones; rote songs and how to teach them; rhythm and its development; song interpretation; listening lessons; music appreciation; sight singing; part singing; methods of teaching music reading compared to the method of language reading; practical demonstrations in class and school room.

Public School Music 219-229-239—Methods.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Public School Music 119-129-139.

This course considers the problem of tone, time, and theory in the grammar grades; part singing; method of organizing and conducting high school orchestras, choruses, and glee clubs; school music supervision; lesson plans for teachers' meetings; community music; relation of the music supervisor to the community.

Note: Public School Music courses are required for special certificates to teach public school music in the public schools of Texas. They do not meet the requirements of the law for courses in Education other than the course required in Education in special methods of teaching the special subject. (For requirements of the Public School Music Group, see page 64).

Public School Music 111.

Public School Music 121.

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

These two quarters of work in public school music are designed to meet the needs of public school teachers who are contemplating teaching in the elementary or grammar grade schools. Such teachers need some knowledge of public school music in order to work effectively under public school music supervisors. The courses aim to give methods of presenting music to children in the various stages of their development. Public School Music 111 deals especially with the work of the first, second, third, and fourth grades. Public School Music 121 considers the work and methods suitable for fifth, sixth, and seventh grades. Students may secure credit for either course or for both courses. Credit for these courses may be applied for college credit toward degrees other than music degrees. The work should be elected

by those who have not time and inclination to take a regular two-year course in public school music or a four-year course in vocal or instrumental music.

Kindergarten Education.

The Kindergarten Department of the College of Industrial Arts serves a four-fold purpose. First, it affords an opportunity for young women who are taking regular college courses to observe child nature and to study child life by coming in actual contact with the children in the kindergarten training school. Second, the children of the kindergarten serve as models when needed by students making children's clothing in their work in textiles and clothing. Third, the senior classes in foods and cookery prepare and serve lunches to the children of the kindergarten. This gives students actual experience in the selection and serving of food for children from five to seven years of age. Fourth, it offers excellent training to students who are preparing themselves for the work of kindergarten teachers. Such students receive a diploma upon the completion of the two-year kindergarten course. For requirements of the Kindergarten Group, see page 65.

Kindergarten 113d-123d-133d — Methods and Technique.

Fall, winter, and spring quarters. Lecture, recitation, and laboratory, six hours a week. Credit, four hours for each quarter.

This course deals with the fundamental phases of kindergarten work, which are the play-materials, handwork, stories, rhythmic play, and games. It covers the practical aspect of the work, and provides the means for making the child's interest in play and his instinct to create mediums, of educational value.

The play-materials are any materials or agencies which function in the play-experience of the children, and include the playhouse, toys, large floor blocks, and Froebel's gifts. The latter involve a logical organization and development of materials. They are balls, blocks, wooden tablets, rings, sticks, and seeds. In the handwork are included paper folding, cutting and construction, crayola paints, clay, and sand.

The child's imagination and his desire to interpret for himself the experience in life about him are given an outlet through means of the stories, conversations, songs, and games of the kindergarten.

The student is taught the proper organization of the materials, principles, and methods of use.

Kindergarten 115a-125a-135a—Observation in Kindergarten.

Fall, winter, and spring quarters. Credit, one hour for each quarter.

The students in the first year are required to observe, during certain definite periods of the morning, in the kindergarten. Written reports of observations are made, which later are discussed in class. These observations aid the students in an understanding of the course in Kindergarten Theory, Kindergarten 134.

Kindergarten 134.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours.

The purpose of this course is to present the theoretical side of kindergarten work. The student must gain a knowledge of the principles which underlie the teaching of children under six years of age. Observations are made of children at play in the home and in the kindergarten, and there are discussions of reminiscences of the students' own childhood to aid them in an understanding of child nature. The reading of books on child study makes the discussion of the following topics profitable: the different periods in a child's development; the instincts and interests apparent in his play-life, such as the investigative, constructive, æsthetic, and social instincts; his reasoning powers, moral sense, and his desire to imitate.

Kindergarten 213-223-233—Philosophy, Principles, and Methods of the Kindergarten.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

In this course students make an intensive study of Froebel's Education of Man and the Mother Plays, in order to understand the principles guiding Froebel, the founder of the kindergarten movement, its evolution in this country, and its correlation with the primary and elementary schools. Modern movements and methods in education are discussed and compared in planning and evaluating the curriculum for the kindergarten. Students become familiar with the more recent theories regarding equipment of the kindergarten, and methods of procedure employed in directing the activities of children.

Kindergarten 215-225-235—Practice Teaching and Conference.

Fall, winter, and spring quarters. Credit, three hours for each quarter. Prerequisite, all first year kindergarten courses.

During the year the students are required to teach in the kindergarten and to take charge of the different periods in the morning. They are under the direct supervision of the director of the kindergarten, who discusses with them the general management of the kin-

dergarten, use of materials and facilities, and the proper manipulation of the kindergarten program.

Note: Kindergarten courses are required for special certificates to teach kindergarten in the public schools of Texas. They do not meet the requirements of the law for courses in Education.

For description of vocational courses given in this department, see page 185; Child Study 33.

DEPARTMENT OF PHYSICAL EDUCATION

EVELYN KENDRICK, Assistant Professor and Director of the Department; MARGARET C. BOGART, Instructor; VENDLA M. HOLMSTROM, Instructor.

Every student is required to take physical training the first two years of her college course, unless excused by the College Physician (see page 75). At the beginning of the year each girl is given a careful medical and physical examination by the College Physician. The aims of the work are to promote health and vigor, to train in correct posture, to cultivate bodily control and poise, and to furnish wholesome recreation.

In addition, there is a four-year group of courses leading to the degree of Bachelor of Science in Physical Education. This group is designed to train students to direct the work of physical education in the colleges, normals, public schools, playgrounds, and recreation centers. (See page 59).

A student who has had the prerequisite courses may elect any course offered in physical education and count it toward meeting the requirements of a degree, provided these courses include the required courses (Physical Training 110a-120a-130a and Physical Training 210a-220a-230a), and do not aggregate more than twenty-four (24) hours of credit.

Courses Required of All Students

Physical Training 110a-120a-130a.

Fall, winter, and spring quarters. Practice, three hours a week. Credit, one hour for each quarter.

The work consists of formal gymnastics, marching tactics, games, swimming, and folk dancing. Special corrective exercises are prescribed and required for all students who need them.

Physical Training 210a-220a-230a.

Fall, winter, and spring quarters. Practice, three hours a week. Credit, one hour for each quarter.

The work consists of formal gymnastics, marching tactics, games, athletics, swimming, folk dancing, and special corrective exercises.

Elective Courses and Theoretical Courses Required for a Degree

Physical Education 310-320-330 — Junior Practice.

Fall, winter, and spring quarters. Practice, six hours a week. Credit, three hours for each quarter.

(a) Swimming	one hour
(b) Formal Gymnastics	two hours
(c) Folk Dancing	one hour
(d) Games and athletics for the playground and schoolroom	two hours

The consideration of folk dancing and games and athletics provides play and material suitable for all ages and all occasions. An analysis is made of the game interests of children at different stages of their development, and instruction is given as to the adaptation and progression of games to meet these interests. The problem of juvenile delinquency is studied. Consideration is given to the surfacing and equipping of playgrounds.

Physical Education 311 — Anatomy.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

The aim of this course is to give a thorough knowledge of the structure of the body. Particular attention is given to the study of the skeleton, joints, ligaments and muscles.

Physical Education 321-331 — Kinesiology.

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Physical Education 311.

This course considers the movements of the muscles singly and in combined action, concentric, eccentric, and static contraction; and the application of kinesiology to gymnastics and athletics.

Physical Education 410-420-430 — Senior Practice.

Fall, winter, and spring quarters. Practice, six hours a week. Credit, three hours for each quarter.

This course includes:

- | | |
|--|----------|
| (a) Advanced swimming | one hour |
| The teaching of swimming, diving, and life saving. | |

- (b) Advanced folk dancing, aesthetic and interpretative dancing, gymnastic dancing, including clogs, and athletic dancingtwo hours
- (c) Athleticsone hour
Practice and coaching of basket-ball, hockey, indoor base-ball, volley ball, tennis, field and track athletics.
- (d) Formal Gymnastics.....one hour
Practice in the methods and material of formal systems of gymnastics as modified by the German and Swedish systems.
- (e) Lectureone hour
Fall and winter quarters. This course includes the problems involved in the equipment, organization, and administration of a modern gymnasium; the problems of the director with regard to health and fatigue.
- (f) Spring quarter, special practice in corrective gymnasticsthree hours

Physical Education 411—Normal Diagnosis and Anthropometry.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

The purpose of this course is to give the student a working knowledge of the variations of the normal type of the human organism; to consider methods for determining conditions of the organs of the body. The course includes the following: recording of personal and family history, its value, its interpretation in relation to heredity, environment and health. The course also presents methods of making general health examinations, including special methods for examining ears, eye, circulatory and respiratory systems, spine and feet. Practice is given in the use of anthropometric instruments, in recording, filing, and using data secured by physical measurements and examinations.

Physical Education 421—Corrective Gymnastics.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Physical Education 311-321-331, Physical Education 425.

This course includes a thorough study of round shoulders, lateral curvature of the spine, weak and flat feet, and special exercises for the treatment of each abnormal case.

Physical Education 431.—History of Physical Education.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course traces the rise and development of physical education from ancient to modern times by a study of the gymnastics and sports of the Greeks and Romans; the decline of the interest in physical development during the Renaissance, the development of the modern system of American physical education as an outgrowth of the Swedish, Danish, and German schools, and the quickened national interest in physical fitness today due to the world war.

Physical Education 425.—Schoolroom Gymnastics.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

A course in freehand and apparatus exercises and story-plays for use in elementary schools.

Physical Education 423.—Playground Supervision.

Winter quarter. Lecture and recitation, one hour a week; practice, four hours a week. Credit, three hours.

This course includes a study of the theories of play with special reference to the needs of children from the kindergarten through the seventh grade of the public schools. Simple drills, rhythmic plays and games, gymnastic games, and folk dancing are given.

Physical Education 433.—Playground Supervision.

Spring quarter. Lecture and recitation, one hour a week; practice, four hours a week. Credit, three hours.

This course considers the problem of desirable recreation and suitable physical development for high school pupils. Instruction is given in coaching elementary team games, such as captain ball, nine-court basket ball, pin ball, long ball, and volley ball the more highly organized games such as playground ball, indoor baseball, basket ball, and field hockey. Tennis, track, and field athletics receive attention.

Aesthetic Dancing 210a-220a-230a.

Fall, winter, and spring quarters. Practice, three hours a week. Credit, one hour for each quarter. Prerequisites, Physical Training 110a-120a-130a, Physical Training 210a-220a-230a. Students who have completed Physical Training 110a-120a-130a with a grade of A are also permitted to take this course.

National character dances, simple solo and group aesthetic dances are taught.

Aesthetic Dancing 310a-320a-330a.

Fall, winter, and spring quarters. Practice, three hours a week. Credit, one hour for each quarter. Prerequisite, Aesthetic Dancing 210a-220a-230a.

DEPARTMENT OF PHYSICS

C. N. ADKISSON, Professor and Director of the Department
JULIA ELIZABETH HARRIS, Instructor.

The work of this department is planned to meet the needs of the following three classes of students: (1) those who wish to prepare to live more efficiently in the home; (2) those who expect to teach physical science; (3) those who wish to prepare for specialized work involving a knowledge of physical science.

Physics 110-120-130 — General Physics.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours for each quarter.

This course includes a study of mechanics of solids, liquids, and gases; sound, heat, electricity, and light.

Physics 210-220-230—Optics.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

This is the beginning of an elective three-year course in vocational photography for college students. The object is to prepare students for photography as a vocation while doing the academic work required for a bachelor's degree. Plans should be made for electing the work continuously through the sophomore, junior, and senior years.

The first year's work includes practical, theoretical, and applied photography, and a study of the structure and manipulation of the various types of cameras and their accessories. It consists largely of making views and portraits, using the ordinary view, the graflex, the circuit, and portrait cameras. Posing, lighting, developing, re-touching, printing, and mounting are practiced throughout the course.

A study is made of the nature and properties of light, and the effect produced by lenses, including the actinic effect of the various

colors on the salts of silver; refraction and dispersion, visual and chemical foci, depth of focus, coma, spherical and chromatic aberration, distortion, astigmatism, equivalent and conjugate foci, photographic definition, lens apertures, the chemistry of developing agents, and how to use them to produce the best effects.

Practically all of the time is devoted to individual laboratory work. The photographic studio, developing room and laboratories are conveniently arranged and are equipped with the best photographic apparatus.

Physics 310-320-330 — Household Physics.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours for each quarter.

A knowledge of the principles of physics is applied to the solution of concrete problems offered by the institution; and of practical problems connected with cooking, heating, and ventilation in the home. It consists largely of a study of the various appliances used in daily life, such as practical problems pertaining to the installation and proper use of electric utilities in the home. A study is made of such appliances as the following: dynamos, electric heating devices, bells, telephones, transformers, motors for sewing machines, churns and vacuum cleaners, electric lights, flat irons, cookers, stoves, ovens, heating pads, immersion heaters, and sterilizers.

Note: Only one of the two courses, Physics 110-120-130 and Physics 310-320-330 may be taken for college credit.

Physics 410 — Mechanics of Solids, Liquids, and Gases.

Fall quarter. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours. Prerequisite, Physics 110-120-130, or Physics 310-320-330.

This is a more advanced course in the study of some of the commonly used mechanical appliances, involving the principles of levers, pulleys, inclined planes, hydrometers, barometers, vacuum cleaners, pumps and plumbing fixtures, and gas and water meters. Sound waves are treated from a physical and a musical viewpoint.

Physics 420 — Heat and Light.

Winter quarter. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours. Prerequisite, Physics 110-120-130 or Physics 310-320-330.

This course includes a study of the ordinary heat and light appliances. Careful measurements are made in thermometry and ca-

lorimetry. Problems in thermodynamics include a concrete study of the gas engine.

The work in light consists largely of a practical study of such optical instruments as lenses, cameras, microscopes, the spectroscope, and the different forms of projection apparatus.

Physics 430 — Electricity.

Spring quarter. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours. Prerequisite, Physics 110-120-130 or Physics 310-320-330.

In this course a study is made of the structure and use of electrical measuring instruments, including the ammeter, voltmeter, wattmeter, watt-hour meter. Efficiency tests are made in a number of electrical appliances. Quantitative electrolytic measurements, applications of the X-ray, electrical waves, and wireless telegraphy compose some of the laboratory work.

Photography 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Photography 210-220-230.

This is a continuation of Photography 210-220-230. In addition the student practices the art of enlarging and copying, and the making of lantern slides.

Photography 410-420-430.

Fall, winter, and spring quarters. Lecture, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter. Prerequisite, Photography 310-320-330.

This course includes the science and art of photomicrography, architectural photography, spectrophotography, radiography, and the making of motion pictures.

Note: Courses in Photography meet the catalogue requirements for science.

Telegraphy 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

The object of this course is to prepare college students for telegraphy as a vocation. The work consists of individual practice in sending and receiving messages, and in learning how to care properly for the telegraphic apparatus used. Much attention is given

to the acquirement of accuracy and speed, both in sending and receiving. Each student learns to typewrite the message as it is received. The Morse alphabet is used. Note: Students who elect this course are advised to elect Typewriting 110-120-130 and Physics 330 (Electricity).

For description of the following vocational courses given in this department, see pages 185 to 194. (Photography 51-52-53, Telegraphy 51-52-53).

DEPARTMENT OF READING

S. JUSTINA SMITH, Professor and Director of the Department; EDNA M. MENDENHALL, Assistant Professor, OLIVIA PRIVETT, Assistant Professor; ASTRID W. NYGREN, Instructor; MARJORIE KEITH STACKHOUSE, Instructor; RUTH BETH WATTS, Instructor.

The work of the Department of Reading is vocational as well as cultural. Through the development of the student's individual powers she is fitted for the work of the home, the church, and the community, and she is also prepared for teaching the subject of Reading. The courses have been broadened and adapted to the growing demands of the day. Upon completion of the four-year group in Reading the student is awarded the bachelor's degree. For requirements of this group, see page 61.

Individual and Class Instruction

Class lessons are open as electives to any student in the College, subject to the prerequisite courses indicated under the description of the several courses. Private lessons are given to all students taking the Reading group, according to the regular outline of the course. Students of advanced standing in other departments of the College may elect private instruction, subject to the approval of the Director of the Department of Reading.

Reading 210-220-230 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and twelve hours a week practice. Credit, three hours for each quarter.

Reading 310-320-330 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private les-

sons a week, and twelve hours a week practice. Credit, three hours for each quarter. Required of all students of the Reading group.

Reading 410-420-430 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and twelve hours a week practice. Credit, three hours for each quarter. Required of all students of the Reading group.

Reading 111-121-131 — Class Instruction.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course includes a study of the "Evolution of Expression," an arrangement of selections which is used as a basis for the work of this department; and also a reading of "Julius Caesar." The aim is not for elocutionary effect, but for simple, intelligent reading of the lines—a development of the student's capacity to respond to the spiritual life of a poem or any form of literature. Imagination, concentration, and continuity of thought are developed by quickening the appreciation, and teaching that reading in its highest sense is interpretation.

Reading 211-221 — Literary Interpretation.

Fall and winter quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter. Prerequisite, Reading 111-121-131.

The psychological principles which underlie the development of any art are here practically applied through the analysis and interpretation of a wide range of literature.

Reading 231 — Story-Telling.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course includes the principles, purposes, and psychological reasons for selected stories for different periods of childhood and for different audiences, with adaptations for the home, the school, the library, and the platform. A study is made of stories from the classic fairy tales, folklore, and Bible studies, through myths and legends, to the best modern classics and present day writers.

Reading 235—Story Telling.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours.

This course is open to all students of the College as an elective, subject to the approval of the instructor. The study, similar to that of Reading 231, is particularly adapted to those who are contemplating teaching kindergarten, playground, settlement or library work.

Reading 311a-321a-331a — Advanced Interpretation.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter.

An interpretative study is made of such masterpieces as Lowell's "Vision of Sir Launfal," Longfellow's "Evangeline," Tennyson's "Idylls of the King," and Milton's "Comus," "Il Penseroso," and "L'Allegro."

Reading 411-421-431 — Platform Art.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course consists of the study of the longer poems of the nineteenth century poets; the abridgment of novels and dramas for recital; the arrangement of programs for various occasions; the study of the lecture-recital repertoire. Each senior will present before her class her original work in story, monologue, and lecture-recital. She will also dramatize a novel or story, or write a one-act play, which she will be expected to cast and coach and present before the students of the Department.

Debate 310b-320b-330b.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter.

A study of the principles of argumentation. Special application of logic to argument. Practice in drawing briefs, and presenting oral arguments on assigned subjects. Critical analysis of examples of great oratory.

Public Speaking 210a-220a-230a.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter.

The aim of this course is to cultivate the student's reasoning processes and help her to acquire ease and fluency while speaking from the platform. This course is open to students in all departments of the College. It is especially adapted to assist those from other departments who are interested in becoming successful demonstrators, public speakers, club leaders, teachers, or church, settlement, or ex-

tension workers. Preliminary drill in extempore speech and parliamentary law is given.

Dramatic Art 210b-220b-230b.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter.

The work of the first quarter consists of study of the plot, character, and interpretation of "As You Like It" and "The Merchant of Venice"; of the second quarter, "Romeo and Juliet"; of the third quarter, "Hamlet," and "The Taming of the Shrew."

Dramatic Art 310b-320b-330b.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Credit, two hours for each quarter.

This is a study of the various forms of the drama, and the interpretation and presentation of scenes from classic and modern drama; one-act plays; pageantry and the school festival; makeup; costume.

Physical Expression 110-120-130.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course includes the training of the two agents of expression, the body and the voice. The aim of the bodily exercises is normal physical development, freedom, grace, rhythm of movement. The two natural means of bodily expression are further dealt with through the study of gesture and pantomime. The aim here is to educate the muscular sense so that true form becomes spontaneous. The exercises for the voice aim to free this agent of expression, so that it may respond adequately to the feelings and emotions.

Gesture 310a-320a-330a.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter.

The aim of this course is the application of the fundamental principles of gesture to all interpretation, including the analysis of interpretative forms.

Expressive Voice 210a-220a-230a.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter.

Culture of voice as an interpreter of mental states; the development

of range, color, power, sympathy, and beauty. Special attention is given to correct speech.

Reading A111-121-131 — Individual Instruction.

Fall, winter, and spring quarters. One thirty-minute private lesson a week, and six hours a week practice. Credit, one hour for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading B112-122-132 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and nine hours a week practice. Credit, two hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading C112-122-132 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and twelve hours a week practice. Credit, three hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading A211-221-231 — Individual Instruction.

Fall, winter, and spring quarters. One thirty-minute private lesson a week, and six hours a week practice. Credit, one hour for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading B212-222-232 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and nine hours a week practice. Credit, two hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading C212-222-232 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and twelve hours a week practice. Credit, three hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading A311-321-331 — Individual Instruction.

Fall, winter, and spring quarters. One thirty-minute private lesson a week, and six hours a week practice. Credit, one hour for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading B312-322-332 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and nine hours a week practice. Credit, two hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading C312-322-332 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and twelve hours a week practice. Credit, three hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading A411-421-431 — Individual Instruction.

Fall, winter, and spring quarters. One thirty-minute private lesson a week, and six hours a week practice. Credit, one hour for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading B412-422-432 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week, and nine hours a week practice. Credit, two hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Reading C412-422-432 — Individual Instruction.

Fall, winter, and spring quarters. Two thirty-minute private lessons a week and twelve hours a week practice. Credit, three hours for each quarter.

This course is designed as an elective for students in groups other than the Reading group.

Recitals and Plays

Class recitals in which students appear are given semi-monthly. Public recitals are given each week by students sufficiently advanced in the work. Formal public recitals are given by juniors and by seniors who are candidates for the degree of bachelor of literary interpretation. A play is staged by each senior, who is given the entire responsibility of selecting and training the cast, arranging for make-up, costume, property and light effects. Students have the further advantage of hearing the members of the faculty in recital, and also of attending the Artists' Course, which offers some of the best talent in the country.

C. I. A. Dramatic Club

This organization is composed of members of the classes in Dramatic Art. Plays and scenes from plays, both classic and modern, are given before the public throughout the year. One of the special features of the year's program is the Commencement play. Readings from drama and lectures on the drama are given by members of the faculty on the first Friday of each month.

Debating Club

This club is open to all students of the College. A number of debates are given during the year. The strongest students are chosen to represent the College in intercollegiate debates.

DEPARTMENT OF RURAL ARTS

EDMUND M. MANNING, Professor and Director of the Department; SADIE LEE OLIVER, Instructor.

The courses in the Department of Rural Arts deal with the fundamental principles of poultry husbandry, horticulture, floriculture, landscape art, rural leadership, and dairying. The work offered is especially adapted to the needs of four different groups of students: (1) those desiring to become efficient in rural homemaking, including the beautification of the homestead; (2) those who wish to become efficient in community service; (3) those who desire to teach general science or agricultural science in the public schools; (4) those who desire to prepare for extension service as County Home Demonstration Agents. The six-weeks terms of the summer session offer courses

that are of special interest to home demonstration agents or to those desiring to prepare for this work.

For details concerning the Home Demonstration Group, see page 51; concerning the Rural Arts Group, see page 59.

Poultry 110-120-130.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

This course deals with the practical application of the principles of poultry husbandry to home conditions. It treats of the breeds and types of poultry; the principles of breeding and mating of fowls; incubation and brooding; feeding for growth and egg production; disease and parasite control; preparing poultry for market, and marketing.

Poultry 111.

Winter and spring quarters. Lecture, and recitation, one hour a week; laboratory, four hours a week. Credit, three hours.

This is an abbreviated course, dealing with the most important principles of poultry management and their application for the home; practice in operating incubators, testing eggs, brooding and caring for the young chickens.

Poultry 211 — Poultry Breeding and Management.

Winter and spring quarters. Lecture, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisite, Poultry 110-120-130, or Poultry 111.

This course involves a study of the principles of poultry breeding, especially their application to the inheritance of egg production; winter and summer management; housing and hygiene; sanitation and disease.

Horticulture 111-121-131 — Vegetable Growing.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours for each quarter.

This course is a fundamental study of methods of vegetable growing; how to plant and care for a vegetable garden as an integral part of every farm home; soils, fertilizers, garden crops, and general methods of management.

Horticulture 211 — Home Gardening and Ornamental Plants.

Fall and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours.

This course is designed primarily for those who are interested in the home and school garden. Planning and arrangement of the crops and plants is given attention, as well as the control of insects and disease.

Horticulture 310-320-330.

Fall, winter, and spring quarters. Lecture, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

This is a fundamental study of methods of vegetable growing and fruit culture, dealing principally with the home garden and orchard. Attention is also given to market gardening, including the forcing of vegetables by means of hot beds and cold frames. During the spring quarter, special attention is given to canning, preserving, jelly-making, and other methods of the preservation of foods for the home. Students are advised to take Horticulture 111-121-131 or Horticulture 211 as a preparation for this course.

Horticulture 321 — Preservation of Horticultural Products.

Fall and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisites, Chemistry 110d-120d-130d, Bacteriology 210-220.

A study is made of ripening, storage, decay, and fermentation. Practice is gained in canning fruits and vegetables, making of jams, jellies, fruit juices, and other methods of preservation of horticultural products.

Horticulture 411.

Spring quarter. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisites, Horticulture 111-121-131 or 211, Horticulture 310-320-330.

This course considers the problem of growing, handling, and packing fruits, including the picking, grading, packing, marketing, and preparation of fruit and canned products.

Floriculture 221—Garden and Indoor Flower Growing.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours.

This course is a study of the propagation and care of plants useful for home or school decoration; indoor flower growing; the selection of bulbs and their culture indoors; garden flowers. A study will also be made of the proper arrangement of cut flowers.

Floriculture 231—Design of Flower Gardens.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours.

A study of garden design, the principles and methods of arrangement of garden flowers in the border and flower garden. The planting of flowers for a continuous display of bloom throughout the seasons. Aesthetic taste in color arrangement will also be developed.

Landscape Art 311.

Fall and spring quarters. Lecture and recitation, one hour a week; laboratory and field trips, four hours a week. Credit, three hours.

This course is planned for those students who are interested in the beautification of home and school grounds. The laboratory and field trips enable the student to recognize ornamental vines, shrubs, and trees best adapted for landscape design. The lectures discuss plant materials, planting practices and planting design.

Landscape Design 321.

Winter and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours.

A study of principles involved in landscape planning with special application to city and suburban homes, farmsteads, and school grounds. A study of use, adaptation and arrangement of plants with reference to problems of landscape design.

Floriculture 315-325-335.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

This course is designed to give the student a practical and technical knowledge of the care and cultivation of flowers best suited to home beautification. Annuals and perennials are studied. Attention is given to greenhouse practice in the handling of soils, water, light, heat, and ventilation. Methods of propagating plant life are studied. The problems connected with the construction of houses for winter protection of flowers are taken up. Window boxes are planted and hanging baskets designed.

Landscape Art 421.

Spring quarter. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours. Prerequisites, Landscape Art 311, or Landscape Art 321, Mechanical Drawing 120-130 or Mechanical Drawing 211.

This course is designed to give the student a knowledge of the development, history, theory, and design of landscape art, including a

study of the best work of prominent landscape architects. The arrangement of public parks, playgrounds, and private estates is carefully studied.

Rural Arts Survey 311.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing.

This course is offered with a view of giving a general knowledge and deeper appreciation of the farm home. A study is made of the social and economic organizations that bear directly upon rural life; the history of the Department of Agriculture, Experiment Stations, and the Extension Service is traced. Special emphasis is placed upon the problems of the home demonstration agent and the rural teacher.

Rural Leadership 321.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, junior standing.

This course deals with the forces and conditions that make up present rural problems. Consideration is given to economic conditions, rural surveys and their use, and the general problems of community service.

Dairying 310-320-330.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. Credit, three hours for each quarter.

In this course a study is made of the dairy type, the correlation between type and milk production; judging, breeding, composition of milk and its products; the various methods of cream raising and separation; the principles of making butter, cottage cheese, and ice cream; the Babcock test; sanitary handling and marketing of milk and its products.

Dairying 311—Home Dairying.

Fall and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit three hours. Prerequisites: Chemistry 110d-120d-130d, Bacteriology 210-220.

This course is designed to give students a knowledge of the care and handling of dairy products in the home; study and practice in making butter, cottage cheese, ice cream; packing and marketing of butter; butter defects; the composition of butter, butter scoring, and Babcock testing.

For description of the following vocational courses given in this department, see page 185: Poultry 31-32-33, Horticulture 31-32-33, Floriculture and Landscape Art 31-32-33, Dairying 31-32.

DEPARTMENT OF SECRETARIAL STUDIES

RUTH DOUGLASS, Professor and Director of the Department; ANNIE ROMBERG, Associate Professor; ELINE STILES, Instructor; ZOLA LITTLE, Instructor.

The purpose of these courses is to inspire a genuine interest in the problems of business life and to prepare young women for responsible positions in the business world. Those who wish to qualify for teachers, or secretarial duties, or to act as general assistants to persons engaged in scientific, literary, or professional pursuits, find excellent training for such vocations in the courses outlined. A limited amount of practice under actual business conditions is arranged for students majoring in these courses in the offices of the various departments of the College. The courses are open to students who major in other groups of courses, thus making it possible to use their electives in preparation for the many remunerative vocations now open to women in the business world.

Shorthand 110-120-130.

Fall, winter, and spring quarters. Recitation and dictation, six hours a week. Credit, three hours for each quarter.

Gregg shorthand is taught. This course consists of dictation, from the first meeting of the class. The aim is to enable the student to master the principles of the system, to acquire speed and rapid reading of one's notes by practical application of the theory. The importance of word-signs, the principles of word-building, and the value of phrasing are constantly emphasized. A speed of 100-125 words on practice matter is required after the first few weeks.

Shorthand 210-220.

Fall and winter quarters. Recitation and dictation, six hours a week. Credit, three hours for each quarter. Prerequisite, Shorthand 130.

The object of this course is additional study in phrasing and practice in writing shorthand. Book and magazine reading from shorthand plates, and dictation, are the means used to develop a large shorthand vocabulary and good speed.

Typewriting 110.**Typewriting 120.****Typewriting 130.**

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter.

In this course, accuracy is the first consideration. The exercises develop a proper wrist and finger movement which leads to a complete mastery of the keyboard by the touch method. There is practice in letter writing, the use of carbon, the transcription of shorthand notes, rough draft, and miscellaneous copying. In the third quarter special effort is made to attain speed. Instruction is given in the use and care of the typewriter.

Typewriting 210.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours.

This course is a continuation of Typewriting 130. It offers additional drill in speed and accuracy, and further training in concentration.

Secretarial Duties 230.

Spring quarter. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours. Prerequisite, a working knowledge of shorthand and typewriting.

The work in this course is carried on as nearly like that of a business office as is possible in a classroom. It includes practical information for typists, the preparation of outgoing mail, the common remittance forms, the meeting of office callers, the use of office reference books, etc

English 115b-125b-135b—Business English.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, two hours for each quarter.

This course is planned for the one year college vocational group of students in secretarial studies. The aim is to train students in effective business communication. Special attention will be given to letters of application, letters of complaint, sales letters, letters of inquiry, and the like. Students who receive credit for this course are not eligible to receive credit for English 215-225-235.

English 215-225-235—Business English.

Fall, winter, and spring quarters. Lecture and recitation, three

hours a week. Credit, three hours for each quarter. Prerequisite, English 110-120-130.

The purpose of this course is to train students to use correct and forceful English for business purposes. A great deal of practice is given in the actual work of composition in the forms of business letters, articles, reports, arguments, and other material that attempts to influence and direct action. Collections, complaints, adjustments, and the handling of inquiries receive special attention. The work of this course stimulates clear and original thinking and imparts the power of effective oral presentation. One hour throughout the year, the class is taken by a member of the Reading faculty. At these meetings each student delivers before the class, prepared or extemporaneous speeches. This gives her self-confidence in delivery, and she receives individual training and criticism.

Accounting 210-220-230.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. Credit, three hours for each quarter.

This course is designed to give the student a working knowledge of the functions, terminology, principles and methods of accounting. The aim of the work is to develop a broad perspective of accounting principles and terms through exercises in double-entry bookkeeping, classification of accounts, the trial balance and statements. Work is done in consignment accounts, partnership accounts, corporation accounting, etc., thus giving practice in the conduct of the accounts of several typical forms of business.

Accounting 310-320-330.

Fall, winter, and spring quarters. Laboratory, six hours a week. Credit, three hours for each quarter. Prerequisite, Accounting 230.

This course is a continuation of the work done in Accounting 210-220-230. Special attention will be given to the corporation and its problems. Much of the work will consist of graded problems.

Psychology of Business 310-320-330.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

In the fall quarter the course consists of a general introductory study of descriptive physiological, and experimental psychology; and the application of the facts and theories of psychology to the everyday affairs of present society. The work in the winter quarter deals

especially with psychology in its application to advertising; and the spring quarter, its application to salesmanship. Advertising and selling campaigns are worked out and discussed and criticised.

Business Law 310.

Fall quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course gives such an acquaintance with the law as one should have in ordinary conduct of business affairs. It consists of an outline of the main principles of the law of contracts; agency; bailments; the obligations of common carriers and telegraph companies; bankruptcy and insolvency; insurance; negotiable instruments; partnership, joint stock companies, and corporations; the acquisitions and transfer of property, and sales of personal property.

Money and Banking 320-330.

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

The object of this course is to trace development in modern business conditions from the principles which underlie the institutions of money and credit, and thus obtain a clear understanding of modern banking problems. Special attention is given to American conditions.

Statistics 410.

Fall quarter. Recitation and lecture, three hours a week. Credit, three hours.

The purpose of this course is to acquaint the student with statistical principles and methods, and through assigned problems to give her practice in their application. The use of statistics in economics and business is given particular attention.

Commercial Organization 420.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course is designed to afford a detailed and thorough examination of some of the problems of business organization and administration. Special attention is given to the problems involved in the relationship of management to the labor force, including the selection, training, and remuneration of workers.

Shorthand 430.

Spring quarter. Lecture and recitation, six hours a week. Credit, three hours. Prerequisite, Shorthand 220.

This course offers additional practice for the purpose of increasing speed and accuracy. The dictation is planned to give a broad general vocabulary and some knowledge of technical terms.

Calculating Machine Operation 110.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours.

This course for college vocational students is planned to train the student to operate accurately and rapidly the calculating machine.

For description of the following vocational courses in this department, see pages 185 to 194. Shorthand 51-52-53. Typewriting 51-52-53, Bookkeeping 51-52-53, Millinery Bookkeeping 54, English 51-52-53, Farm Bookkeeping 31.

DEPARTMENT OF BIBLE

MABEL MCQUEEN WEIR, Professor and Director of the Department.

That the Bible has an important contribution as a part of the college curriculum is being increasingly recognized by the institutions of higher learning throughout the country. There is no longer a question as to the importance of this study in the training a student receives during her years in college. The great variety of material found in the Bible makes it of great educational value, not only in itself, but in correlation with other subjects in a student's course. In it are found some of the richest literary treasures in the English language, some of the most important history, and some of the most inspirational biographies. In it we can trace the origin and growth of some of the greatest social, moral, and ethical principles of our own day. It reveals the development of the Christian religion from its beginning in the life of the Hebrew people to its position as a world-wide religion. It is the textbook of Christianity — of our moral and religious life. At a time when a student is forming ideals of thought and conduct which are to be powerful throughout life, the Bible should receive the attention of which it is worthy. Moreover, it is an inestimable help to those students who expect to be of service to the churches and Sunday schools in the communities where they will later make their homes.

In recognition of the contribution the study of the Bible makes to the student's training, the College gives full credit toward a degree for work done in this department. This work conforms in all respects to the standards maintained in other subjects in the curriculum. The Bible Chair is maintained by the Methodist women of Texas, but the

instruction given is entirely without regard to the particular beliefs of any denomination, and aims to secure for the student the benefit to be gained for a broader culture and a deeper spiritual life.

Courses in Bible

These courses may be taken as electives in any year, and are open to all students offering the prerequisites.

Bible 110 }
Bible 122 } — Life of Christ.

Fall and winter quarters. Lecture and recitation, three hours a week. Credit, three hours.

This course includes a careful survey of the Gospel according to Mark and a thorough study of the book of Luke or the book of Matthew. The object of the course is to know what is in the Gospel according to Matthew, where it is, why it is there and why it is where it is; to learn how to study the Bible and how to give it to others.

Bible 120—Rise of the Christian Church (A Study of the Acts).

Fall and winter quarters. Lecture and recitation, three hours a week. Credit, three hours.

This course may be regarded as a continuance of Bible 110 although in itself an independent course. The life-work of the Apostles as a continuation of the life-work of Jesus Christ is studied in The Acts. The method of study involves exact observation and thoughtful analysis of the text. The rise of the Christian Church is traced step by step in its marvelous development from a sect of Judaism in Jerusalem to a universal body carrying the gospel into the heart of the Gentile world.

Bible 130—Life and Teachings of the Apostle Paul.

Winter and spring quarters. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Bible 120.

This course is a study of the life and letters of the Apostle Paul, one of the greatest thinkers and personalities the world has ever known. It involves careful study of the fundamental teachings of Christianity.

Bible 111a. }
Bible 121a. } — The Poetical Books.
Bible 131a. }

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Credit, one hour for each quarter.

This course covers the Poetical Books in the three quarters, and is so arranged that a student may elect it in any one or more of the three quarters. It offers a survey of each of the books as a whole, a study of its divisions and groupings and of biblical versifications. An intensive study of selected Psalms with such geographical and historical material as is necessary for intelligent interpretation is included. The purpose is to develop an understanding and appreciation of this unique "Devotional Book of the World." A careful study is made of the Book of Job, the Song of Solomon, Proverbs, and Ecclesiastes, including a comparison with the Epistle of James.

Bible 210 }
Bible 220 } — History and Prophecy in the Old Testament.
Bible 230 }

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. Credit, three hours for each quarter.

This course covers the historical period from Genesis to Malachi. It involves intensive studies, surveys, and outlines. The purpose of the course is to give a basic understanding and appreciation of the Old Testament.

Bible 221 — The Story of the Bible.

Winter quarter. Lecture and recitation, three hours a week. Credit, three hours.

This course includes the story of how we got our English Bible, a general survey of its contents, a careful study of some of its most important outstanding features and prominent characters. It offers an introduction to biblical study, giving a bird's-eye view of the Bible and a preparation and background for intensive study.

Bible 231 — Teaching of Jesus Christ.

Spring quarter. Lecture and recitation, three hours a week. Credit, three hours. Prerequisite, Bible 110.

A study of the Gospel of John, its purpose and scope, with special emphasis on the fundamental principles and their development in the Gospel, is made in this course. Supplementary material is drawn from the Synoptics.

VOCATIONAL COURSES OF NON-COLLEGE RANK

It is the function of the College of Industrial Arts not only to offer vocational training for students of college standing, but also to meet the vocational needs of the mature and purposeful women of Texas who, for any reason, may not be able to offer college entrance requirements, but who desire to pursue vocational work, and who present evidence of being able to do so advantageously. Such students can be admitted only on individual approval, and their vocational courses are arranged according to their individual needs respectively. There are groups of short-term practical and vocational courses which afford capable women opportunity to be able to enter remunerative work after a year of training at the College, or to enter upon more efficient homemaking. The completion of a group of these courses, as planned for any individual student, entitles the student to receive a Vocational Certificate in the group of vocational subjects outlined for her. For such groups of courses, see page 186. The various courses offered from which the student may choose are described on pages 187 to 194. The group of courses chosen by any student may be taken only upon consultation with, and the approval of, the Vocational Counselor, whose business it is to give counsel as to the choice and arrangement of vocational students' programs of study. It is not intended that these courses should duplicate regular college courses or courses given in high schools, and therefore no college credit, and no college entrance credit, is allowed for the completion of them. They may be pursued with profit, however, by students who have a high school diploma, and also by students who have not completed a high school course.

The Homemakers Group provides for the intensive study of the practical aspects of the home. As a rule, young women should be at least eighteen years of age before undertaking the work of these courses, and should fully realize the necessity and the importance of making definite preparation for the duties and the responsibilities of home-life. The wise administration of the home contributes to the happiness and healthfulness of the members of the household, and conserves the efficiency and the economy of the home as a social and a business enterprise. To train young women for such administration of the home is the object of the Homemakers Group of courses.

Groups for One-Year Vocational Courses.

1. Homemakers Group—

Foods 31-32-33,

Clothing 31-32-33,

and sufficient electives chosen from other courses numbered

similarly and listed below to make up a full year of practical work.

2. Commercial Arts Group—
Typewriting 51-52-53,
Shorthand 51-52-53,
English 51-52-53.
and sufficient electives to make up a full year of practical work. See also description of Commercial Arts work, on pages 178 and 182.
3. Dressmaking and Millinery Group—
Clothing 61-62-63—Millinery,
Clothing 51-52-53,
Design 51-52-53,
and electives as indicated above.
4. Pottery Group—
Pottery 51-52-53,
Chemistry of Pottery 51-52-53,
and electives as indicated above.
5. Photography Group—
Photography 51-52-53.
Pictorial Composition 51-52-53,
and electives as indicated above.
6. Interior Decoration Group—
Interior Decoration 51-52-53,
and electives as indicated above.
7. Costume Design Group—
Costume Design 51-52-53,
and electives as indicated above.
8. Commercial Advertising Group—
Commercial Advertising 51-52-53,
and electives as indicated above.
9. Telegraphy Group—
Telegraphy 51-52-53.
Typewriting 51-52-53,

and electives as indicated above.

10. Linotype Group—

Linotyping 51-52-53, or Linotyping 61-62-63, or Linotyping 71-72-73, or Linotyping 81-82-83.

English 51-52-53,

and electives as indicated above.

(For details, see page 191.)

For complete description of these courses, and of the additional courses designated above as electives, see pages 187-194.

A student desiring to take any of the short-term practical and vocational courses should apply in writing in advance of her entrance, and should send to the Registrar a record of her previous school work, using Blank B, page 268 .

For admission to College Vocational courses, see page 67. For vocational certificates, see page 185. At the discretion of the Vocational Counselor, only a part of hyphenated courses may be taken. Unless excused by the College Physician, vocational students are required to take physical training.

DESCRIPTION OF COURSES.

Costume Design 51-52-53.

Fall, winter, and spring quarters. Laboratory, six hours a week. No college credit.

Design principles are applied to women's dress. Proper selection and use of costume. Students make original designs for hats, dresses, lingerie, and accessories.

Commercial Advertising 51-52-53.

Fall, winter, and spring quarters. Laboratory, six hours a week. No college credit.

Art principles are applied to advertising for those who wish to become professional advertisers. Psychology of line, color, and arrangement in advertising is taught.

Design 51.

Fall, winter, and spring quarters. Laboratory, six hours a week. No college credit.

This is a condensed course in design for vocational students. Line, dark and light, and color are taught. Media: charcoal, ink, and color.

Interior Decoration 51-52-53.

Fall, winter, and spring quarters. Laboratory, six hours a week. No college credit.

Art principles are applied to the home for those who wish to become professional decorators. Proper use of line and color and the arrangement of objects in the home are taught.

Pottery 51-52-53.

Fall, winter, and spring quarters. Laboratory, six hours a week. No college credit.

Professional methods in the building of pottery, the use of potter's wheel, application of glazes, etc., firing of kiln, are studied.

Pictorial Composition 51-52-53.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Laboratory, two hours. No college credit.

This course is planned to develop a knowledge and appreciation of the fundamental laws upon which all good compositions are based. Careful study and analysis of masterpieces will be made; also there will be developed an appreciation for good line, spacing, grouping, proper arrangement of dominant and subordinate interest in a composition, dark and light, balance, and the effect of leading lines in pictures. This work will be illustrated by means of stereopticon slides and photographs.

Telegraphy 51-52-53 — Vocational Telegraphy.

Fall, winter, spring, and summer quarters. Lecture and recitation, six hours a week. Laboratory, twelve hours a week. No formal academic prerequisites, but typewriting must have been acquired, or must be taken as a parallel course. No college credit.

This course embraces practical instruction in transmitting and receiving telegraph messages; directions in the intelligent care and operation of the mechanics of telegraph equipment; and sufficient laboratory drill work for the acquirement of speed and skill. The course may be taken up at any time, whether or not the time coincides with the beginning of a college quarter.

Photography 51-52-53 — Vocational Photography.

Fall, winter, spring, and summer quarters. Lecture and recitation, five hours a week. Laboratory, eighteen hours a week. No formal academic prerequisites, but pictorial composition is required as a parallel course. No college credit.

The work consists in making portraits, views, commercial photographs, lantern slides, and blue prints, and enlarging pictures. It includes a study of the art of posing, lighting, retouching, and mounting, and of mixing and handling chemicals for developing and printing. The student who has the desire and the qualifications to enter training for this vocation should devote practically all of her time to the work for three college quarters or one college year.

Chemistry 51-52-53 — Chemistry for Students of Pottery.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week. Laboratory, four hours a week. No college credit. No prerequisite.

This course differs from the regular college course in chemistry in that it deals specifically with chemistry as applied to pottery.

The fall quarter will be devoted principally to the study of metals, their oxides and hydroxides, with special attention to clays. The winter and spring quarters will be devoted to a detailed study of the fundamental principles of general chemistry, practical tests of clay, glazes, and the chemical changes in the firing of pottery.

Clothing 51-52-53 — Vocational Sewing and Dressmaking.

Fall, winter, and spring quarters. Laboratory, twelve hours a week. No college credit.

This course is arranged to give students practice in the use and care of the sewing machine; use of commercial patterns; and their adaptation to various needs. Some foundational patterns are drafted, and planning, cutting, and fitting are exemplified in making wool skirts, blouses, silk dresses, and summer dresses of voile and organdie.

Textiles 51.

Fall quarter. Lecture and recitation, two hours a week. No college credit.

This course includes the study of fibers and the process of manufacture; the study of fabrics, their character, cost, durability; simple tests for the identification of the fibers.

Clothing 61-62-63—Vocational Millinery.

Fall, winter, and spring quarters. Laboratory, six hours a week in the fall and winter quarters, and twelve hours a week in the spring quarter. No college credit.

A course in millinery planned to meet the needs of students who

expect to enter the millinery trade. It includes the making and covering of frames; designing and making of trimmings; discussion of materials and the keeping of accounts; making hats for others.

Millinery Bookkeeping 54.

Spring quarter. Laboratory, six hours a week. No college credit.

This course is planned for vocational millinery students. The aim is to give the student a working knowledge of bookkeeping principles, and to apply them to such transactions as take place daily in the millinery shop.

Calculating Machine Operation 51-52-53.

Fall, winter, and spring quarters. Six hours a week. No college credit.

This course is planned to train the student to operate accurately and rapidly the calculating machine.

Shorthand 51-52-53.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. No college credit.

In this course, the theory manual of Gregg shorthand is studied and reviewed constantly. The work includes reading and copying of shorthand plates; drill on the frequent combinations, the word-signs, and the common phrases; writing thoroughly practiced matter from dictation; writing new material from dictation; shorthand penmanship, longhand penmanship, and speed practice.

Typewriting 51-52-53.

Fall, winter, and spring quarters. Laboratory, eight hours a week. No college credit.

This is a course in the theory and practice of touch typewriting, covering a mastery of the alphabet, numerals, mechanical arrangement of business correspondence and legal forms, tabulating, and speed practice. The typewriter as a machine is explained. Every student learns how to use it to the best advantage and how to keep it in good condition.

Bookkeeping 51-52-53.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week. Laboratory, six hours a week. No college credit.

The aim of this course is to give the student a thorough foundation in the fundamental principles of bookkeeping. The theory of debit

and credit, modern books of original entry, closing a set of books, and the preparation of statements are given special attention. The subjects of partnership, shipments, and consignments are also introduced.

English 51-52-53—Business English.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week.

The aim of this course is to give the student practice in correct English, and such information as she needs in a business office, aside from shorthand-typewriting. The work consists of a grammar review, punctuation, sentence structure, spelling drill, and syllabication. Much of the composition work assigned is in the form of business correspondence. Some attention is also given to office training.

Basketry 51.

Fall quarter. Laboratory, six hours a week. No college credit. In this course, instruction is given in the making of sewed and woven baskets of various weaves and shapes, the materials being reed, raffia, straw, corn shucks, pine needles, and grasses.

Woodworking 51.

Fall, winter, or spring quarter. Laboratory, six hours a week. No college credit.

This is a short course, based on such problems as a woman is apt to meet in the home, putting on hinges, making closet shelves and clothes poles, painting and repairing woodwork, reupholstering and mending furniture, in which is taught the handling of the common tools, hammer, saw, chisel, screwdriver, and plane. One-half of the time is spent in the laboratory in making useful objects for the home and in learning the use of the tools. The remainder of the time is spent in making home repairs.

Linotyping 51-52-53.

Linotyping 61-62-63.

Linotyping 71-72-73.

Linotyping 81-82-83.

Fall, winter, and spring quarters. Laboratory, six to twenty-four hours a week. No formal academic requirements, but English 51-52-53 is required as a parallel course. No college credit.

The content matter is similar to that described in Linotyping 110-120-130, Linotyping 210-220-230, Linotyping 310-320-330, Linotyping

410-420-430, on page 124. A student who expects to make this her vocation should devote practically her entire time to the work for three college quarters.

Note: For details of the arrangement of courses in linotyping, see Bulletin No. 100, entitled "Linotyping — Vocational Courses for Training of Operators and Machinist-Operators."

English 31-32-33—Homemakers' Course.

Fall, winter, and spring quarters. Lecture and recitation, three hours a week. No college credit.

This course includes a review of grammar and composition, and a study of literature especially adapted to children and to home reading. Extensive bibliographies are given the student from which she is taught how best to select the books, stories, magazines, and other literature for use in her home.

Poultry 31-32-33.—Homemakers' Course.

Fall, winter, and spring quarters. Lecture and recitation, two hours a week; laboratory, two hours a week. No college credit.

This course is based on the existing problems common to the rural homes. Methods of housing, feeding, culling, incubating, brooding, boning, canning, marketing, and exhibiting poultry products are emphasized.

Horticulture 31-32-33—Homemakers' Course.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. No college credit.

This course is a study of the production and utilization of a year-round garden. The opportunity of the season is utilized for instruction in spraying, budding, grafting, pruning, and the making of cuttings. Types and varieties of vegetables and fruits, methods of culture, and marketing are studied.

Floriculture and Landscape Art 31-32-33—Homemakers' Course.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. No college credit.

The aim of this course is to create and develop in the student a love for the beautiful and to teach her how to beautify the homestead. Plant materials are studied, such as vines, shrubs, and trees. The arrangement of cut flowers is considered. Sites are drafted and landscaped. The problems are focused on public community sites as well as on home grounds.

Dairying 31-32—Homemakers' Course.

Fall and winter quarters. Lecture, one hour a week; laboratory, four hours a week. No college credit.

This course considers the breeds of dairy cattle; judging, feeding and management of the dairy herd; pedigrees; modern methods in construction and sanitation of dairy buildings. The Babcock test, operation and care of separators, butter and cottage cheese making, sanitary handling and marketing of milk and its products, are also studied.

Clothing 31-32-33—Homemakers' Course.

Fall, winter, and spring quarters. Laboratory, six hours a week. No college credit.

This course considers the fundamentals of hand and machine sewing, the operation and care of the sewing machine and its attachments; the use of commercial patterns and their adaptation to individual needs; the cutting, fitting, and finishing of garments, such as petticoat, wool skirt, lingerie, blouse, silk dress, child's garment, afternoon dress.

Textiles 31—Homemakers' Course.

Fall quarter. Lecture and recitation, two hours a week. No college credit.

This course includes the study of fibers and the processes of manufacture; the study of fabrics, their character, cost, durability, and suitability.

Home Management 32-33—Homemakers' Course.

Winter and spring quarters. Lecture and recitation, three hours a week. No college credit.

This course will deal specifically with the service needed in the various parts of the household, also systematic planning of routine work; cleaning processes in detail, ventilation; care of equipment and supplies; purchasing supplies.

The work of the first quarter is prerequisite to that of the second. The time is divided between laundry; economic phases of foods and clothing; and residence in the Ellen H. Richards or the Mary M. Bralley practice cottages.

Foods 31-32-33—Homemakers' Course.

Fall, winter, and spring quarters. Lecture and recitation, one hour a week; laboratory, four hours a week. No college credit.

This course deals with the principles of cookery, practice in simple manipulation, and a study of food values. These lessons are followed by actual application in preparation and serving of meals.

Clothing 42—Millinery.

Winter quarter. Laboratory, six hours a week. No college credit.

This course includes the designing, making and covering of hat frames with different materials; the renovating of hats and materials and the making of bows and trimmings.

Health and Hygiene 32—Public Health and Home Nursing.

Spring quarter. Lecture and recitation, three hours a week. No college credit.

This course presents lectures on the various activities of the United States Public Health Service Bureau, State Board of Health, and the prevention and management of communicable diseases, together with fundamental rules for nursing the sick, maternity, infant care and welfare, all combining to enable the student to think and act intelligently in conserving not only her own health but that of the home and community in which she resides.

Sociology 32—Homemakers' Course.

Spring quarter. Lecture and recitation, three hours a week. No college credit.

The work of this course deals with the family as a unit of the social structure; the importance of the stability of the family; the relation of the individual members of the family; eugenics and eugenics; the value of current theories of reform as touching the family; a psychopathic study, measurement, the treatment of the defective, delinquent, and dependent. The purpose of the course is to help in raising the standards of the family by a scientific analysis of its constituent parts.

Child Study 33—Homemakers' Course.

Winter or spring quarter. Lecture, recitation, and observation, three hours a week. No college credit.

A study is made of infancy and childhood. Emphasis is placed upon the psychological and physiological aspects of child life. Special attention is given to the motor responses of children, play instinct, development of the sense organs, methods of detecting and directing those who may have defective sense organs, and the training of children in the home.

Note: Vocational students may carry private lessons in music—in piano, voice, or violin. For description of individual lessons in music, see pages 136 to 143.

DEMONSTRATION HIGH SCHOOL

For information concerning the Demonstration High School, see page 146. An applicant for admission to the Demonstration High School must have attained the age of sixteen years and must be of good moral character. She should make application to the Registrar as early as possible before the opening of the first quarter, September 17, 1923. (See Blanks A and B, page 267.)

STANDARDS OF COLLEGE COURSES

Scale of Grading College Work

Letters are used in grading the work of students, the approximate per cent value of each letter being: A, 92 to 100 per cent; B, 83 to 91 per cent; C, 74 to 82 per cent; D, 65 to 73 per cent; F, below 65 per cent. A minimum grade of D is required to obtain credit for a course. A grade of F means that the student has failed, and is required to take the work again.

When permission is given to a student to drop a subject, prior to the middle of the quarter, the withdrawal notice has marked upon it the word "dropped". When permission is given to a student to drop a subject, subsequent to the middle of the quarter, the withdrawal notice has marked upon it the word "dropped" or "failure", such mark to be determined by the Dean of the College. These marks indicate to the instructor the grade to be given at the close of the quarter.

Grades and Credits

1. A grade is given for each three hours of credit, which represents the results of all class work, all tests, and usually a final quarterly examination. Deductions may be made from the grades of a student for unexcused absences from either regular class work or college assembly.

2. Grades at the end of a quarter are shown by letters, each of which represents a certain value in grade-points, as follows.

Grade	Significance	Hours	Grade-points
A	Excellent	3	3
B	Good	3	2
C	Fair	3	1
D	Barely passed	3	0
F	Failure	0	—1

Grade-points for advanced credit are allowed on the basis of C, or one for each three hours of credit.

Requirements for Graduation.

1. For the Two-Year Groups of Study, 96 hours and 32 grade-points. (See pages 64 to 66.)
2. For the Three-Year Groups of Study, 141 hours and 47 grade-points. (See page 63.)
3. For the Bachelor's Degree, or Four-Year Groups of Study, 186 hours and 62 grade-points. (See page 47.)

Should any student fail to have the required number of grade-points by the time she has completed the courses required for a diploma, certificate, or degree, she will then be required to complete additional work to the amount of one hour of college credit for each grade-point below the required number.

For further requirements, see pages 73-76.

Honors

A freshman who makes 48 hours of credit, or more, with an average of $1\frac{7}{8}$ grade-points for each three hours, with no failures, is awarded one honor bar, provided she is not guilty of any misconduct; a sophomore who has 96 hours of credit, or more, with an average of $1\frac{9}{10}$ grade-points for each three hours, including an average of two grade-points for each three hours of the last 48 hours earned, and who has no failures, is awarded two honor bars, provided she is not guilty of any misconduct during her sophomore year; a junior who has 141 hours or more to her credit with an average of two grade-points for each three hours, including an average of $2\frac{1}{4}$ grade-points for each three hours of the last 45 hours, with no failures, is awarded three honor bars, provided she is not guilty of any misconduct in her junior year and has not more than 10 demerits against her for the three years; a student who meets the requirements for graduation with an average of $2\frac{1}{10}$ grade-points for each three hours, including an average of $2\frac{1}{2}$ grade-points for the last 45 hours, with no failure, is awarded her Bachelor's Degree with honors, provided she is not guilty of any mis-

conduct during either her sophomore, junior or senior year.

A failure is a grade of F that has not been removed. A student may at any time take a course for the second time and receive a grade two letters lower than that received when taken the second time. In such cases the former grade is discarded, and the student will be entitled to receive any honors that the latter grade, after reducing two letters, will entitle the student to receive, if she had made this grade for the first time.

In the case of work transferred from another institution, the average made on the first year's work done at the College of Industrial Arts is taken as the average for the work transferred, and grade-points are counted and honors awarded on this basis.

Honors are awarded on all work on record at the time that application is made.

Honors are awarded to students at the beginning of the fall and winter quarters, and to seniors and students receiving diplomas, at commencement, provided that a student is awarded honors not more than one time for each 45 hours of credit obtained. A graduating student who has received honors during each year of attendance upon the College will be entitled to have such fact inserted in the diploma or degree.

Honor Graduates for Session of 1921-1922

The following students were awarded honors during each of the four years of attendance upon the College and were graduated with honors during the session of 1921-1922: Helen Crumpler, B. A., Greenville, Texas; Justine Harris, B. A., Denton, Texas; Viola Kraege, B. S., Yorktown, Texas; Wilna Morton, B. A., Dumas, Texas; Mary Alice Mountain, B. S., Denton, Texas; Cornelia Varner, B. A., Denton, Texas; Autrey Nell Wiley, B. A., Denton, Texas; Lillian Gray Williams, B. A., Fort Worth, Texas.

Dismissal for Poor Work

1. A student whose average is below D may be dismissed at the end of the first or second quarter.
2. A student who has taken 54 hours, whether she has received credit for them or not, and whose grade-points are 15 below the standard, one grade-point for each three hours of credit, is subject to dismissal at the end of the third or any subsequent quarter.

Discipline and Probation

1. The College expects a student to conduct herself at all times as a person of honor.
2. A student may be placed on probation for poor scholarship or for misconduct, and if satisfactory improvement is not made, she may be dismissed from the College either temporarily or permanently.
3. A student may regularly be placed on probation as follows:
 - (a) When admitted on probation.
 - (b) When in either her first or second quarter of residence she fails to obtain a minimum of six hours and two grade-points.
 - (c) When at the close of any subsequent quarter, her entire record is more than five grade-points below the normal minimum of one for each three hours.
 - (d) When such action is necessary in the judgment of the Dean of the College or the Executive Committee of the Faculty Council for disciplinary effect.
4. A student placed on probation caused by deficiency in grade-points is expected to reduce such deficiency immediately, and one who has been on probation three quarters without making satisfactory reduction of the deficiency of her grade-points is subject to dismissal by the Faculty Council.

Regulations Governing Absences

A student is expected to attend all classes unless excused by the proper authorities for legitimate reasons. Absences are divided into two classes: excused and unexcused. Excuses on account of necessary absence from the city and on account of illness must be signed by the Dean of Women, and such absences are considered excused. Excuses for absences must be filed with the Registrar within two days after the student returns to her work.

The Dean of the College, the Dean of Women, or the Faculty Council may summon a student for discipline whenever the number of unexcused absences exceeds three in a given week, or ten in a given quarter. Wilful absence at any time is subject to investigation and discipline by the proper authorities of the College.

When a student has been absent once from a class that meets once or twice a week, notices shall be sent from the Registrar's office to the instructor that the student shall not be allowed to reënter the classroom and continue the course until she presents a notice of reinstatement from the Registrar's office. For classes that meet three, four, five, or six times a week, a notice of reinstatement shall be required for the second, third, fourth, and fifth absence respectively.

A student who misses one-third or more of the total number of recitations in a quarter in any subject is unable to earn credit for the course. Absences are counted from the day the course begins, and students are held accountable for every recitation. All consecutive unexcused absences above one are counted double absences. Absences during the three days preceding (Sunday counted) and the three days following (Sunday counted) a holiday are counted double.

Unexcused absences from a class in a given subject will result in the student's grade being lowered in that subject. After the grade of a student has been received at the close of the quarter from the instructor, the Registrar will make the following deductions for unexcused absences: for three

unexcused absences, the grade will be lowered one letter; for four or five unexcused absences, the grade will be lowered two letters; for six or seven unexcused absences, the grade will be lowered three letters.

The paragraph above is intended to apply to subjects that come three times a week. For subjects that come once or twice a week, the grade shall be lowered one letter for two unexcused absences; two letters for three or four unexcused absences; three letters for five or six unexcused absences. The subjects that come more than three times a week, the same proportion shall apply.

Deductions will be made from the grades of students for unexcused absences from college assembly as follows: for three unexcused absences, the highest grade appearing on the report at the close of the quarter will be lowered one letter; for four or five unexcused absences, the next highest grade appearing on the report will be lowered one letter; for six or seven unexcused absences, the next highest grade appearing on the report will be lowered one letter.

The amount of work a student is permitted to take, if she enters after the beginning of the quarter, shall be proportionately less than the amount permitted if she has enrolled for the entire quarter.

Students who fail to register during the days regularly set apart for registration will be charged an extra fee of two and one-half dollars; except that students who have never attended the College before will not be required to pay an extra fee on account of late matriculation.

A fee of one dollar will be charged for any change made in a student's schedule after two weeks from the date of the student's registration in the first quarter, and after one week from the date of registration in the second or the third quarter.

A fee of one dollar will be charged for each special examination given to a student who is unable for any reason to take the regular examination of the class. This statement

applies to any examination given to the entire class either as a quiz during the quarter or as a final quarterly examination.

Reports of Students' Work

At the close of each regular quarter of the session reports are made to parents. Parents are requested to study these reports carefully and to make inquiry concerning any part of them that is not understood. It is important that parents understand fully the character of work their daughters are taking at the College, and the College authorities are glad to advise them freely from time to time in regard to the work or other interests of their daughters. Coöperation of the parents is of great importance, and a communication intended for the College authorities should be sent directly to the College and not through members of the student body. If these reports are not received promptly at the close of the several quarters in December, March, June, and August, parents should, therefore, communicate with the College.

Student's Record Book

In order that every student may be kept informed as to the courses for which she has been given credit, and in order that the faculty adviser may be better prepared to give intelligent advice to the student, the College furnishes to each student, without cost, a booklet containing the admission units and also the college courses for which credit has been given. Entries are made in this booklet at the close of each regular quarter of the college year. The student is held responsible for keeping and preserving this booklet, known as the Student's Record Book, and may be required to present it at any time to the faculty adviser for inspection or to the Registrar for the recording of additional grades. Students withdrawing from the College should not offer the Student's Record Book to obtain college credits in other institutions, since transcripts, properly cer-

tified by the Registrar, may be obtained upon written request.

Faculty Advisers

In order to facilitate the work of the College, as it relates to the individual student, and in order to provide helpful advice for the student in all matters relating to courses of study, each student is assigned, upon entering the College, a faculty adviser. As far as possible, the student is assigned a faculty adviser who has an intimate and special knowledge of the courses in which the student's major interest lies. Thus, the advisory system results in giving personal attention by a competent, trained member of the faculty to the individual interests of every student and in obviating the disadvantages that usually obtain in large student bodies. The following are the specific duties of the faculty advisers:

1. To assist the student in selecting the proper group of courses, such as those designated on pages 47 to 66 of the catalogue.
2. To designate the individual courses to be taken by the student, including elective courses within a group.
3. To recommend, whenever advisable, that the student be permitted to change groups of courses, drop courses, or enroll in new courses.
4. To study the needs of the individual student and to assist her, as far as possible, in choosing a suitable vocation. In this respect, consultation with the Vocational Counselor is advised.
5. To check the catalogue requirements for each student and assist her in understanding and meeting the said requirements, as well as in keeping her classification regular, advising with the Dean of the College whenever necessary, as to the interpretation of the College requirements. (See page 47.)
6. To render any positive, personal assistance to the

student in choosing a well-balanced college course, adapted to her individual capabilities and circumstances.

7. The director of the department in which the major work of a student is being done will be assigned as the faculty adviser of the student during her senior year.

COST OF ATTENDANCE

Expenses

The expenses of attending the College of Industrial Arts depend largely upon the disposition of the student. Including traveling expenses, College fees, board, clothing and incidentals, the cost varies from \$330.00 to \$380.00 for the year (three quarters or about nine months). A fair average is \$350.00. It should be remembered that the cost of the College uniform does not constitute a legitimate part of a girl's expenses at College for the reason that the average girl would spend from one and one-half times to twice the cost of the college uniform for clothing if she remained at home. For cost of uniform, and other requirements relating to the uniform, see page 224.

Students are expected to pay fees before entering classes. No tuition fee is charged, except for individual lessons in instrumental and vocal music. A receipt, signed by the Auditor, showing that the entrance and first quarter's fees have been paid, must be presented before the name of the student is entered on class lists. All students in all departments must pay the fees and the book deposit.

The matriculation fee is paid but once for all time, but must be paid by all students, whether appointive or not, and whether regular or unclassified. Unclassified students are required to pay the same fees as regular students. Fees will not be refunded to students who leave school during the year. Students taking painting and design must furnish their own brushes, pens, paints, and other materials. Also those who take china painting must pay for the ware

on which they paint. All students are entitled to the use of library facilities and apparatus in the different departments in which they work. They are held responsible for damage to equipment resulting from their own carelessness.

All textbooks used by the students are furnished by the College, the students being charged a reasonable rental for the books used.

Estimate of Expenses

Matriculation Fee (payable but once for all time by each student on first entrance).....	\$ 5.00
Hospital Fee (payable yearly by each student on entrance)	2.50
Incidental Fee (payable by each non-appointive student, \$5.00 at first of each quarter) for the session	15.00
Material and Supply Fee (payable by each student \$2.50 at first of each quarter) for the session.....	7.50
Library Fee and Book Deposit \$10.00, of which \$5.00 is refunded at the end of the session.....	5.00
Student Activities Fee.....	5.00
Room and Board in Dormitories (9 months, \$25.00 at first of each month).....	225.00

It should be remembered that a student pays the matriculation fee but once for her entire College education; and that one-half of the library and book deposit is refunded at the end of the session.

The above estimates do not include a non-returnable fee of \$2.00 per quarter and a breakage deposit of \$1.50 per quarter to be paid by each student for each course in chemistry. Breakage fees are returned at the close of the spring and summer quarters, but should the damage to apparatus and equipment during the period exceed the amount of the deposit, the student will be required to pay the difference at the close of the session. A fee of \$2.00 per quarter is charged each student who takes lessons in swimming, this

fee covering the use and proper care of a bathing suit, towels, and other swimming accessories. For fees in piano, voice, and violin, see page 144.

Room and board in private homes average from \$3.50 to \$5.50 per month more than room and board in the State dormitories. In private homes, two students to a room, each student pays \$7.00 to \$9.00 per month for room and from \$20.00 to \$25.00 for board.

APPOINTMENTS, SCHOLARSHIPS, AND OTHER AIDS FOR STUDENTS

The following is a brief statement of the several appointments, scholarships, and other student aids, provided for those students who cannot attend college without financial assistance. There is always more demand for the loan funds than can be met during any given year, hence any prospective student who contemplates requesting a loan, should file her application several months in advance of her need. Only those students should apply, who cannot secure the needed funds from any other source. Applications should be made on a blank provided for that purpose. Ample time should be allowed for an investigation of the applicant's record, and for communication with references, and with those persons who are to be security for the repayment of the loan where such is required.

The Houston Woman's Club Student Loan Fund

The Houston Woman's Club has deposited with the College bank \$1,300.00 as a Student Loan Fund, to be loaned by the President of the College to worthy, deserving girls who need financial assistance in securing their college education, preference to be given to applicants from the city of Houston. The rate of interest is fixed at three per cent. per annum, the amount of each loan, the time for which it is made, and the security which is required, being left to the discretion of the President of the College.

Scholarships Donated by the Ariel Club, the Woman's Shakespeare Club, and the City Federation of Clubs of Denton

These clubs have deposited with the College bank a student's loan fund of \$356.95, as follows: Ariel Club, \$75.00; Woman's Shakespeare Club, \$50.00; and the Denton City Federation of Women's Clubs, \$231.95. The rate of interest is fixed at 5 per cent., the amount of each loan, the time for which it is made, and the security which is required being left to the discretion of the President of the College.

M. E. B. Literary Club Scholarships.

The Mary Eleanor Brackenridge Club offers assistance to a number of deserving students. A committee appointed by the Club President, at the opening of the regular session, has charge of the allotment of the funds available for scholarships. Applications for scholarships should be made to the President of the Club.

Chaparral Literary Club Scholarships

The Chaparral Literary Club offers during the year three scholarships worth twenty-five dollars each. These scholarships are awarded quarterly each year. Applications for scholarships should be made to the President of the Club.

C. I. A. Art Club Loan Fund

The Art Club Loan Fund is made up of contributions from the Art Club and from other associations and individuals. The purpose of this fund is to afford opportunity to students to do advanced work in fine and applied art. Only those students are eligible who have completed successfully at least three years of work in the Fine and Applied Art Department of the College of Industrial Arts. Arrangements for the use of this loan fund may be made through the Executive Committee of the C. I. A. Art Club.

Mary Eleanor Brackenridge Scholarship

Miss Mary Eleanor Brackenridge provides one student each year with a scholarship of \$300.00. The beneficiary of this scholarship is chosen by a committee consisting of the Director of Brackenridge Hall, the President of the M. Eleanor Brackenridge Club, and the Vocational Counselor of the College.

The Annie Schumacher-Perlitz Student Loan Fund

This fund amounting to \$500.00 was endowed by Mr. Charles A. Perlitz of Houston in honor of his wife, Mrs. Annie Schumacher-Perlitz. It is loaned by the President of the College to worthy, deserving girls to enable them to secure their college education, the rate of interest being five per cent, the time for which the loan is made, security and other matters, being left to the President of the College.

The Avery Memorial Fund

This is a small amount of money set apart for the use of the students of the College, by Mrs. J. C. Avery of Jacksonville, Texas, which amount of money is invested at 8 per cent per annum, and the income from the investment is loaned by the President of the College to assist deserving and worthy girls to complete their College education. The income from the fund, when loaned to a student, does not draw interest. Mrs. Avery established the Avery Memorial Fund in memory of her husband, and out of appreciation of the service the College of Industrial Arts has rendered to her, she, when fifty-eight years of age, having received the degree of Bachelor of Science from the College, June 1920. It is believed that this fund will be augmented by additional gifts, and while perpetuating the name of Mrs. Avery and her husband, will prove a blessing to a number of Texas girls.

The C. I. A. Students' Loan Fund

An amendment to the constitution of the Students' Association was adopted in April, 1919, which provides for an annual sale of articles donated by the student body, the faculty, and the alumnae of the College. The proceeds of this sale go to the C. I. A. Students' Loan Fund. A girl from the student body is selected Sales Manager, who with a committee composed of the President of the College, the President of the Students' Association, one member of the Board of Regents, and one member of the faculty, has charge of lending the money. The money is loaned to students of the College. The interest is three per cent per annum beginning the month after the close of the college session during which the money is loaned.

The Class of 1924 Loan Fund

The class of 1924 has contributed \$100.00 to help pay the expenses of students attending college. This fund is loaned under the same conditions and limitations as the C. I. A. Students' Loan Fund.

The Ex-Students' Loan Fund of C. I. A.

The Ex-Students' Loan Fund of the College of Industrial Arts is a corporation organized by the Ex-Students and friends of the College for the purpose of "encouraging and assisting deserving and worthy young women of Texas to acquire that type of training and culture that will enable them to become helpful and constructive leaders in the work of the home, the community, the State, and the nation."

This organization hopes to be the channel through which many generous and philanthropic citizens of Texas will be able to help the capable women of Texas in receiving a college education which they could not otherwise receive. In selecting the beneficiaries of this fund, the Committee on

Awards is instructed to require the applicant to furnish security for the repayment of her loan and have her life insured in favor of the Loan Fund in an amount sufficient to cover the loan made to her, together with all interest due thereon.

Applicants must be natives of the State of Texas, preferably graduates of the public high schools of the State, whose parents are unable to furnish the money necessary to enable them to complete a college course. Applicants must be of good health, sound morals, and excellent scholarship, preference being given to those who avow their intention to pursue their studies to a college degree.

A copy of the charter of the Ex-Students' Loan Fund will be sent upon request to anyone interested in its plans and purposes whether interested as a possible contributor to the fund, or as a prospective student requesting a loan. Inquiries for further information may be addressed to the Vocational Counselor of the College.

Student Employment

Realizing that many deserving and ambitious young women in Texas are unable to attend college unless they can earn at least a part of their expenses, it is the desire of the College authorities to find employment for as many as possible. A student's time is usually quite fully occupied with college work, and only those of great determination, who have good health and a strong physique, should undertake the extra burden of outside employment. However, the College has a limited number of positions open to young women with pluck enough to avail themselves of the opportunities offered.

Among the places are the student assistantships, of which there are about fifty. While it is the desire of the College that these places be given to young women who must earn a part of their expenses, still determining factors in their selection are their scholarship and fitness for the work. The

office assistants at the several dormitories are chosen from the mature, reliable, and deserving students who must add to their resources to enable them to stay in the College.

There are other forms of service that girls may render, such as serving in the dining rooms, and occasionally working temporarily in offices.

The rate of compensation (15c to 50c per hour) varies according to the character of the service rendered, the qualifications, experience, and previous service of the applicant. A few enterprising and resourceful students have been able to earn as much as half of the expenses necessary to attend college. In the past some of the most capable young women that have gone out from the College have been those who have earned a part of their expenses in this way.

The Committee on Student Employment is designed to render all possible assistance to those seeking employment. All communications in regard to this should be addressed to the "Committee on Employment," College of Industrial Arts, Denton, Texas.

Economy Encouraged

Every precaution is taken to guard against extravagance and unnecessary expense on the part of the student. The test of a student's standing in the College of Industrial Arts, or among her associates, is not the amount of money she has, or the amount she spends. The spirit of the student body is for simplicity and economy.

Students are encouraged and given practical assistance in economizing their funds and in earning a part of their expenses, when that is desired. For example, the College maintains, independent of its regular laundry and laundry instructional departments, well-equipped laundry rooms, where students are permitted to do all their own laundering. A sewing room is also equipped and kept in order in the dormitory, where all students of the College may sew for themselves.

A number of positions are offered in which students may earn a part of their expenses — such positions as dining-room service, clerical work, and student assistantships.

One thing that has greatly increased the expenditure of students while in College has been the indulgence of parents in permitting their daughters to make frequent visits home. It is the policy of the College authorities to discourage in every way possible the frequent visits of students to their homes or to relatives who live outside of Denton, and it is earnestly hoped that parents will co-operate with the College in avoiding this item of expense.

Students are requested not to make up or have made up a number of elaborate dresses preparatory to coming to the College. The College authorities reserve the right to send home needless wearing apparel or dresses that are too elaborate or are inappropriate for the use of the college girl. It is the policy of the faculty not only to discourage needless expenditures, but to forbid conspicuous evidence of extravagance.

Parents are urged to have a definite understanding with their daughters as to the opening of accounts with merchants of Denton. The College will co-operate with parents in having their wishes observed with respect to accounts with merchants of Denton.

College Bank

The College has an accurate, modern system of accounting, with a cashier, a bookkeeper, and an auditor in charge of it. In connection with this system of accounting, the College conducts a regular banking department for the convenience and the accommodation of its students and patrons. In the College bank students make deposits and draw on their deposits, using the regular college check book, the system and plan being the same as that used in any modern banking establishment. Parents and guardians desiring to remit money for the expenses of their daughters and wards

should send the money directly to the Cashier, College of Industrial Arts, Denton, Texas, and it will be credited to the proper account and a receipt and deposit check furnished both to the parent and the student. Parents making written requests can obtain the status of their daughters' accounts at any time; and where requested, the College will exercise a reasonable supervision over the expenditures of any student. The use of the College bank is not only the most convenient for students, but at the same time it teaches them the approved methods of transacting banking business.

BOARDING FACILITIES AND REGULATIONS

Residences

The students of the College live in Stoddard Hall, Brackenridge Hall, Lowry Hall, Capps Hall, Oakland Hall, Smith-Carroll Hall, Senior Houses, and in approved private homes situated within the college community. The State dormitories — Stoddard Hall, Brackenridge Hall, Lowry Hall, Capps Hall, and Oakland Hall — are under the management of directors and trained dietitians, all of whom reside in the dormitories and are members of the college faculty. They are assisted by lady teachers who also reside in the dormitories. The State dormitories furnish accommodations for more than six hundred students for room and about one thousand students for meals.

The Smith-Carroll Hall, situated across the street from the State dormitories, is owned and superintended by the Women's Missionary Society of the Methodist Church, and is under the management of an experienced director. The Smith-Carroll Hall, though not owned by the College, is conducted strictly according to the regulations and standards of the College as formulated by the faculty, and its government and discipline are the same as in the State dormitories. About sixty students live in Smith-Carroll Hall.

All private homes where College students room, or room

and board, are carefully inspected and approved by a committee of the faculty.

Students residing in private homes are expected to provide themselves the necessary bedding together with the same articles as are required of students in the State dormitories. Students are not permitted to live in private homes except by definite assignments made by the College, nor are they permitted to change either rooming or boarding place without the consent of the Dean of Women or the President of the College.

Each student applying for room and board in any one of the dormitories, or for a room, or room and board in a private home, will pay an assurance fee of five dollars (\$5.00) to the Cashier of the College. This fee is not refunded unless a refund is requested on or before August 1 of the scholastic year in which the assurance fee was paid. If the student after having a room, or a room and board reserved, fails to matriculate in the College, or fails to remain until the close of the regular college session, she thereby forfeits her assurance fee. Otherwise the fee is refunded to the students at the close of the regular session.

Each student who expects to reside in a State dormitory, or in a private home, should bring with her, or purchase upon her arrival in Denton, the following articles for her own use:

Four bath towels.

Four hand towels.

One dresser scarf 19x41 inches.

One table runner 26x60 inches.

Plans for the Assignment of Rooms in the State Dormitories and in Private Homes

Students residing in State dormitories, or private residences, desiring to reserve rooms, may deposit their assurance fees at the business office of the College on or before the second Saturday in April, and be assigned rooms for the next regular fall session.

Prospective students and resident students who fail to make application and pay assurance fees on the dates mentioned above will, upon payment of assurance fees, be assigned to the remainder of the rooms in the State dormitories as long as rooms are available, in the order in which their applications are received.

After all rooms in the State dormitories are reserved, students are assigned to rooms in convenient and satisfactory private homes in the order of their applications and payment of assurance fees. However, it is impracticable for the College to make these assignments before the first of September. The names of students who are assigned to rooms in private homes are filed in the order of their applications and payment of fees, and vacancies in the State dormitory rooms, as they may occur, are filled from the waiting list in the order in which the names are filed.

Students for whom rooms are reserved are expected to report on the first day of the College session. If a student has paid her assurance fee for a room in a dormitory or in a private home and fails to report on the first day of the College session, she thereby forfeits her room and assurance fee unless she has previously notified the College as to the time she expects to arrive. Upon notification of the College the room will be reserved, provided room rent is paid at the Business office of the College at the rate of \$5.00 a week from the opening day of the session. The College reserves the right to make any necessary adjustment at any time in the rooming or boarding arrangements of students. The assurance fee mentioned above is held not only as an assurance for the student's entrance, but also for the proper care of dormitory property. If the student should cause damage or loss to dormitory property beyond reasonable wear, the amount of such damage will be deducted from this deposit; otherwise the whole amount of the deposit will be refunded to her at the close of the College session, unless the student

withdraws from College before the end of the regular session, in which case she forfeits the assurance fee.

Special Provisions for the State Dormitories

1. The rate for room and board, not including laundry, is \$25.00 per student per calendar month; for board without room, the rate is \$22.50 per student per calendar month.

These amounts are payable in advance, at the first of each calendar month. No rebate or credit is allowed for time missed by students or in case they leave before the end of the month, except at the time of Christmas vacation. A student who fails to pay board within five days after it becomes due will be required to pay a delinquency fee of \$1.00 a week until payment is made. Delinquency of more than one week in the payment of board automatically suspends the student from attendance on classes. A student vacating a room in a dormitory during the month is charged for room and board the remaining part of that month. If approved by the Dean of Women, a student absent on account of illness may reserve her room by paying both room and board.

Students' trunks should be plainly marked with name, and if possible addressed to the proper dormitory. Students on arriving in Denton are advised to retain baggage checks until they reach the dormitory.

On taking possession of her room each student will deposit with the secretary of the dormitory twenty-five cents in exchange for her door key, which amount will be refunded when the key is returned.

Non-resident students are not permitted to remain in Denton during holidays or to visit in Denton following the close of a term except in very exceptional cases, and these to be determined by the Executive Committee of the Faculty Council.

Special Provisions for Smith-Carroll Hall

1. Each student desiring room and board in Smith-

Carroll Hall shall file her application for same, together with an assurance fee of \$5.00, with the Auditor of the College. The student will be assigned to a place in Smith-Carroll Hall only on the recommendation and approval of the Director, with whom she may correspond concerning the matter. The assurance fee in this case is subject to the same conditions of forfeiture, deductions, and credit as is the fee deposited for assignments in the State dormitories.

2. The rate for room and board, not including laundry, is \$26.00 per student per calendar month. These amounts are payable at the first of each calendar month. No rebate or credit is allowed for time missed by students or in case they leave before the end of the month, except at the time of the Christmas vacation. A student who fails to pay board within five days after it becomes due will be required to pay a delinquency fee of \$1.00 a week until payment is made.

3. A brief daily prayer service is held, which all students are required to attend. Every girl is required to be loyal to the church of which she is a member and to attend services and Sunday school. The girls in the dormitory receive kind personal supervision, so as to supplement parental watchfulness, care, and authority. Domestic order is insisted upon and efforts are made to create an atmosphere of culture and refinement. All this is truly educational, and is quite possible with the number of students living in the dormitory. Everything is done to aid the students in their College work, and to encourage Christian life and character.

STANDARDS OF CONDUCT

It is the policy of the College to have as few fixed rules regulating the conduct of students as are consistent with their best interests. It is assumed that when a young woman enters the College, she comes with the definite purpose of deriving the most possible good from her college life.

It is the aim of the College to place only such restrictions

and guidance in the life of the student as will develop in her the power of self-control and self-direction, and to make her able to recognize, and to regulate her life according to the highest ethical standards. This does not mean, in any sense, that the student's conduct is not closely observed and directed, for conformity to certain definite standards is expected and required of all alike. The entire student body is divided into small groups, and each one of these groups is placed directly in charge of a member of the faculty, who looks after every phase of the student's welfare. Effort is made to stimulate in the student the desire and the power to act from principle and to do right because it is right. *Only those students are desired who are willing to conform to the spirit of the College in matters relating to standards of conduct. The College reserves the right to request at any time the withdrawal of the student whose general conduct and attitude do not meet the required standing. Matriculation in the College includes an obligation on the part of the student to abide by its standards and regulations in every detail.*

All students whose homes are not in Denton must file at the College formal application for room and board. Students are allowed to board only at homes approved by the College, and no student may arrange for or accept a boarding place without first obtaining the consent of the Dean of Women. Students may not change their boarding places without good reason and the direct permission of the President or the Dean of Women. The College reserves the right to make any necessary adjustments at any time in the rooming or boarding arrangements of students.

The parents of those students living on the campus or in houses under the control of the College are asked to share in the responsibility of such social privileges as visiting in or out of town, and in the receiving of men callers. For this reason they are requested to send written permission to the Dean of Women. These permissions are to be

definite, giving the name and address of the persons to be visited or of the young man permitted to call.

Further details regarding the standards of conduct for individual students are given in the Students' Handbook, a copy of which is given to each student at the opening of the regular session.

UNIFORM DRESS REGULATIONS

Experience has proved that uniform dress for the girls of the College tends to promote economy, to encourage a democratic spirit, and to conserve the time of the students. For these reasons all students of the College during the regular session are required to wear the uniform dress herein set forth at all times, the only exception being students over thirty years of age. It should be remembered that the cost of providing the uniform dress for a girl who is attending the College of Industrial Arts should not be included in the expense of sending her to the College, because the average girl will spend from one and one-half to three times as much for clothing while at home for a year, or from four to five times as much for clothing at any other college of the country, as she is required to spend for the same length of time at the College of Industrial Arts. It is also true that some of the articles included in the uniform dress are used for more than one year. Any girl who has not had the opportunity of providing her uniform dress in advance of entering the College may enter the College and by arrangement with the Director of the Department of Household Arts provide her uniform dress later. It is recommended, however, that the student make the garments at home whenever possible, since it not only reduces the cost but saves the student a great deal of time. All garments must be made from C. I. A. patterns.

These patterns may be obtained through the office of the Registrar of the College. The patterns sell for 35 cents each, and money should accompany request for patterns.

The new patterns adopted in 1920 are furnished by Vogue Pattern Co., exclusively for C. I. A. They are designated C. I. A. patterns and are numbered as follows:

- No. 1. Laboratory dress of chambray.
- No. 2. White waist.
- No. 3. White skirt.
- No. 4. Flaxon dress.
- No. 5. Blue serge dress.
- No. 6. Cooking apron.

These patterns can be supplied in sizes 32, 34, 36, 38—price 35 cents each. No variations from the pattern are allowed on uniform garments. Material and style must conform to the regulations stipulated in the catalogue.

The uniform blue serge suit together with the sweater, the College cap, tam-o-shanter cap, and gymnasium shoes must be secured from Denton merchants in order to insure uniformity.

The committee wishes to call attention to the division of the list of uniform garments into three parts.

I. Garments needed at the opening of school and to be provided before coming to Denton or immediately upon arrival at the College.

II. Garments to be supplied as needed.

III. Garments which are approved but not required.

The regulation uniform consists of the following:

I. Garments needed at opening of school.

(A) A navy blue serge suit consisting of a plain skirt and Norfolk coat. (This suit must be purchased of Denton merchants in order to insure uniformity); or a navy blue French serge dress trimmed with black silk braid and made from C. I. A. pattern No. 5.

(B) The regulation College cap to be worn by all students when off the campus, except on their daily walks to and from the College and when taking out-of-door exercise.

(C) Three or four white waists to be worn with the uniform suit and white skirt, made of No. 100 cambric, using

C. I. A. pattern No. 2 These must be made of Berkley cambric No. 100. Make the waist with pocket and attached collar, and fasten in center front by four buttons with button-holes. Collar may be made single or double, but cuffs should always be double. A navy blue or black tie is to be worn with white waists. It is wise to shrink the goods before making.

(D) For dress occasions a plain white flaxon one-piece dress, made from C. I. A. pattern No. 4. Finish skirt with a four-inch hem and not more than an eleven-inch clearance from the floor. This dress may have either a square or a round neck and either three-quarter or half length sleeves. The front and back of the neck opening should not exceed three inches from the base of the neck. Three-quarters inch wide dainty, durable lace and insertion should be used for neck and sleeve trimmings; and the same insertion should be used for the belt of the dress. When practicable each student should purchase the material and make the dresses before leaving home. The belt of the dress should not be more than $2\frac{1}{2}$ inches wide, and be placed at the normal waist line.

(E) Two laboratory dresses of Parkhill Imperial Chambray No. 7588, made from C. I. A. pattern No. 1. These are required in the cooking laboratories and may also be worn to all classes and about the College campus, but must not be worn to the evening meal or on Sundays. Each student should have at least two of these dresses. The material should be shrunk before making. Sleeves must come below the elbow; they may be either three-quarters or full length. The dress is finished with a four-inch hem and not more than an eleven-inch clearance from the floor. The belt must not be more than three inches wide and be held in place by straps on underarm seams.

(F) One white dress skirt, to be worn with white uniform waist, must be made of gaberdine, using C. I. A. pattern No. 3. Finish skirt with a four-inch hem and an eleven-inch floor clearance. Two set-in pockets are made, and must

be finished with arrowheads. An outside belt $2\frac{1}{2}$ to 3 inches wide and fastened with two buttons and bound buttonholes is worn with this skirt.

(G) A navy blue sweater is to be worn on the campus, but must not be worn down town.

(H) A navy blue tam-o-shanter cap is to be worn on the campus.

(I) Two pairs of shoes with low heels should be brought to College. These may be either black or brown kid. No shoes or slippers with French heels, either high or low, may be worn at any time. No patent leather or suede shoes, no satin or fabric shoes, may be worn. At least one pair of high shoes should be provided. Spats may not be worn at any time. Stockings should be of good cotton, lisle, or wool, but must be plain to match shoes. Silk and lace stockings are not appropriate, and are discouraged because of their extravagance.

(J) Students in foods must provide (1) three long white aprons of soft finished cambric, using C. I. A. pattern No. 6. The goods should be shrunk and the apron be made to come one inch above the bottom of the dress skirt; (2) four towels, three-fourths of a yard in length, made of medium weight white toweling; (3) two holders made of four thicknesses of canton flannel bound with tape.

(K) All students who are required to take physical training must supply themselves with a gymnasium suit, which consists of black bloomers, plain white middy, and gymnasium shoes. These should be secured in Denton.

(L) Long aprons are needed for work in manual training, chemistry, etc. These may be purchased after school opens.

II. Garments which may be supplied as needed:

(A) An extra uniform skirt which shall be identical with the one purchased with coat.

(B) Additional white waists made of No. 100 cambric, using C. I. A. pattern No. 2.

(C) A second white flaxon dress made from C. I. A. Pattern No. 4.

(D) For campus use, a black straw hat. These hats may be purchased in Denton.

III. Garments which are allowed but not required:

(A) A heavy top coat, which must be midnight blue or black, and cut on conservative lines. No short coats, dolman coats or capes are allowed; no plush coats or coats trimmed with plush or fur are permitted.

(B) A modest raincoat, dark blue or tan, raincap, and rubbers should be provided for rainy weather.

(C) During the winter months heavy underwear should be worn.

(D) A warm bathrobe or kimona and bedroom slippers, which are really a necessity.

(E) Senior or degree students have in addition to the regular college uniform a Senior Uniform. This consists of a white rep Peter Thompson dress made from C. I. A. pattern No. 5. White shoes and hose may be worn with this dress. For evening wear seniors may have a light colored organdie dress made from one of three designs. Black satin slippers with baby Louis heels and black hose may be worn with this dress.

Garments other than those permitted by the uniform regulations should not be brought to the College, because they offer too much temptation to violate these regulations. Any thin waists, organdie dresses, flaxons with tucks, French heeled shoes or other articles of clothing worn in violation of the uniform regulations will be sent home by the committee.

Estimate of Cost of College Uniform**List of Garments and Materials**

1. Blue Serge Suit, Gilbert Serge No. 8200, Blue Skinner's Satin Lining, alterations included, \$	27.50
2. Blue Serge Skirt, Gilbert Serge No. 8200	10.00
3. Blue Serge Dress, Botany 767	15.00
4. Black Straw Sailor, Gage Hat	1.75
5. Gym Shoes, Yachting Bals, U. S. Rubber Co.	2.25
6. Middy Blouse, Paul Jones or Mincer (white)	1.75
7. College Cap, black broadcloth, silk tassel	3.00
8. Shaker Sweater No. 2001, Shaker Knitting Mills	10.00
9. Knitted Tam, blue worsted yarn	2.25
10. Serge Bloomers, Aldrich & Chancellor No. 13 S	3.00
11. Cooking Apron, C. I. A. Pattern	1.80
12. Blue Serge	2.80
13. Berkeley Cambric No. 60 .....	.35
14. Berkeley Cambric No. 100 .....	.40
15. Parkhill Chambray .....	.40
16. White Flaxon .....	.75
17. White Rep .....	.50
18. Gaberdine .....	.75
19. Toweling, white linen crash .....	.35
Denton dressmakers, approved by the College, will make the following uniform garments at the prices indicated:	
Chambray dress	2.25
Flaxon dress	2.50
Shirt waist	1.00
Gabardine skirt	1.50
Extra serge skirt	3.00
Apron .....	.50
Senior uniform dress	3.00
Blue serge dress, Peter Thompson	4.00
Senior organdie	4.00

An extra charge of 25 cents per garment will be made where the dressmaker shrinks the material before making the garments. The expense of making the clothes may be avoided if parents will get the proper material and make or have made the articles before the girls leave home for College.

For street and church, students will be expected to wear full uniform; blue serge suit, blue serge dress, uniform waist with blue or white skirt, with College cap and low heeled shoes.

For church and all public affairs the white uniform dress or white skirt and waist may be worn when the season permits or at the discretion of the Uniform Committee.

Gym shoes and suits must not be worn outside the gymnasium.

All students representing the College out of town shall appear at all meetings in full uniform.

Students out of town on college business, or on business that is a part of their regular college work, must wear the uniform with the exception of the college cap. The phrase "representing the college" means trips made by the Choral, orchestra, athletic teams, Press Club, Federation Clubs, etc.

The phrase "on college business, or as a part of their regular college work" means trips made as a part of the class work or business trips made by members of the Dædalian staff.

Students going out of town on personal business are not required to wear the uniform. It is recommended, however, that the uniform suit with the college cap or a tailored hat, or some other conservative garment be worn.

Regulations for Denton Students.

1. All students who live with parents or guardian should wear the uniform when on the college campus during school hours.

2. Uniform means blue serge suit or white waist with

white skirt or white waist with blue serge skirt or blue chambray dress.

3. Partial uniform will be considered violation of the uniform regulations. Especial attention of Denton students is called to the regulation providing that the blue chambray laboratory dress may not be worn on Sunday or after 5:30 during the week.

4. Black straw campus hats may be worn except with coat suit.

5. Shoes with low heels are required, and no French heels are permitted.

6. Town girls must wear one of the three regulation college caps when wearing the uniform.

7. Town girls who come to the college entertainments in the evening must come out of uniform.

8. Students residing in Denton with their parents are subject to all the regulations of the College whenever they wear the uniform.

The uniform must be worn as directed above on and after September 22 by old students and October 6 by new students.

SOCIAL AND INTELLECTUAL ACTIVITIES

College Surroundings and Activities

One of the most prominent characteristics of the student body of the College is the atmosphere of wholesome congeniality and the democratic spirit which pervades it. The close association and sense of comradeship existing among the students, and between the faculty and students have often been the subject of favorable comment. The teachers give unstintingly of their time and energy, outside of classroom and formal instruction, to the social life, the moral elevation, and the solution of the problems of the individual student. No student comes to the College of Industrial Arts and is lost in the mass. Every student is assigned a definite place in a small group that is directly supervised by a member of

the faculty, who looks after the student's needs and comforts in every possible way. This applies to students living in private homes as well as to those living in the dormitories, and students living in private homes are subject to the same supervision and requirements as dormitory students.

The democracy and the congeniality of the student life are further promoted by the adoption and use of a college uniform dress. The uniform consists of several different kinds of costumes, described in detail on page 219. They are neat and stylish and as inexpensive as is consistent with their attractiveness and substantiality. Extravagance is discouraged in every way possible, and the students come to feel that what a person *is* counts for more than what she *spends*.

Though the College is not under the supervision of any religious organization, the moral, spiritual and Christian influences in the College life are irreproachable. Students are urged to attend Sunday school and church services on Sunday as regularly as they do in their home towns. The Students' Christian Association holds a religious service every Thursday evening, and also furnishes to the students many very pleasant social occasions.

Recreation

Wholesome, recreative pastimes, and various ways of securing healthful enjoyment and entertainment are generously provided within the College community. Excursions and picnic trips to some of the woodland resorts are supplemented by smaller group luncheons and spreads in the park or woods of the College campus. College and dormitory tea parties and receptions, both formal and informal, give the students the advantage of both the pleasures of social life and the training in its proprieties.

Outdoor sports, tennis, basketball, hockey, tether-tennis, track work, field day exercises, all add vigor and zest to the college life and stimulate strong but friendly rivalry, further strengthening the oneness of the student body while

developing a true sense of self-control, self-direction, and fair dealing.

It is believed that the "problems and perils of leisure are greater than are those of labor," and that members of the faculty should play with the students as well as work with them. At the College both are done with earnestness and joyousness. The final test of any plan or method is, "Does it work?" The College counts its happy-hearted, self-controlled, serious-working student body a sufficient answer.

On the unanimous recommendation of the student body and of the faculty, a student activities fee of \$5.00 is required of each student at the time of her matriculation. This fee entitles the student to attend free of further cost all Artists' Course numbers, all student athletic games, and to receive the *Lass-O*, the weekly publication of the students of the College of Industrial Arts, and the *Dædalian Monthly*, a literary magazine published monthly by the students of the College.

Lectures, Entertainments, Concerts and Recitals

Every year the students of the College have many opportunities to hear men of national and international prominence, and to enjoy the best quality of entertainments given by authors, readers, players, and musicians. Various subjects—informal, ethical, cultural, practical—are presented in these lectures and entertainments, adding much pleasure and benefit to the college life. The Artists' Course and various college organizations have brought the New York Symphony Orchestra, and St. Louis Symphony Orchestra, Martinelli of the Metropolitan Opera Company, Rudolph Ganz, Oscar Seagle, Mme. Leginska, the Flonzally String Quartet, the Zoellner String Quartet, and Devereux Players, the French Army Band, Alfred Noyes, John Masefield, Frank Alva Parsons, Helen Stanley, Soprano; Frieda Hempel, Soprano; Albert Spalding, Violinist; Mischa Levitski, Pianist; May Peterson, Soprano; Sherniavsky Trio of

Musicians; Merle Alcock, Contralto; Count Ilya Tolstoi, Lecturer; Rabindranath Tagore, Poet; Ernest Hutcheson, Pianist; Reinald Werrenrath, Baritone; Mr. and Mrs. Charles Rann Kennedy, Interpreters; Wilhelm Bachaus, Pianist; Alberto Salvi, Harpist.

Free public concerts, for students and townspeople, are given throughout the school year under the auspices of the Department of Music. The College has its own moving-picture machine, and shows from time to time films of entertaining character and educational value.

Student Organizations

Students' clubs and other college organizations are well represented at the College. The most important of these are: The Students' Association and Students' Council, contributing much to the social solidarity of the student body and rendering valuable service in the maintenance and promotion of high ethical ideals; the Students' Christian Association and the Students' Volunteer Band, promoting the social and religious life of the students; the Athletic Association, having charge, with faculty advice and supervision, of the various athletic activities; literary societies, many of which have full membership in the Texas Federation of Women's Clubs; departmental clubs; the Press Club, a member of the Texas Intercollegiate Press Association; the Glee Club and Orchestra; and a number of smaller clubs representing the town or county in which the members live.

In order that proper encouragement may be given to the spirit of economy, a faculty committee is appointed each year to supervise and approve the expenditures and the financial obligations of all student organizations in the College.

The Students' Association

The most important student organization is the Students' Association, made up of the entire student body for the purpose of developing self-government. The executive power

is vested in the various House Councils and in the College Student Committee or Council composed of representatives elected from the different classes and from larger groups of students. Acting in vital coöperation with the Students' Council is the Faculty Council, to whom all decisions from the former are substituted and ratified before becoming effective. The Dean of Women has advisory power in all student activities, and throughout the organization there is a real coöperation of faculty and students, which is making possible the development of self-government on strong and permanent lines, and which is developing a feeling of responsibility and a social viewpoint that will prepare the students for an active participation in the larger affairs of public life. Student government, in the sense that the term is used at the College, is therefore coöperative government, faculty members participating in an advisory capacity, and the Faculty Council having the power of approval or disapproval of the result of student deliberation.

Student Publications

Three periodicals are published by the students of the College: The Lass-O, a weekly, devoted to the news of the campus and the current problems and interests of student life; The Dædalian, a literary magazine, published monthly; and the Year Book, serving primarily as a memorial of the graduating class, but incidentally touching every phase and interest of college life, both humorous and serious. These publications are maintained strictly for and by the students, with a faculty committee exercising a slight supervision. Aside from their primary purpose of contributing to the interests and pleasures of student-life, they afford invaluable training in literary and journalistic work, and every student in the College is invited to share in conducting them.

Students' Christian Association

Estella G. Hefley, General Secretary and Dean of Women.

Student Officers: Fay Mahan, President; Mac Reed, Vice-President; Catherine Cartwright, Secretary; Ruth Bourn, Treasurer.

The Students' Christian Association is an association of students organized to develop that spirit of mind and heart that should characterize a Christian college community. Through its program and social service activities, the needs of the college community and other communities are presented in a way to prove a sane stimulus for broad and constructive service. A special emphasis is placed upon those recreations that bring real freedom and happiness, and its every activity is prompted by the effort to lead students into a more vital relationship to Christ and to a truer interpretation of the principle taught by the Master.

The Christian Association is undenominational. Each resident of the College community is urged to join and participate in its activities. Devotional meetings are held weekly on Thursday. Early morning prayers are held from November 11 through Thanksgiving, and from Ash Wednesday through Easter.

The administration of the Students' Christian Association is in the hands of a cabinet composed of the officers and chairmen of standing committees. Each committee has its adviser. These advisers, with an executive committee of three, constitute the Faculty Advisory Board.

PRACTICE COTTAGES OF THE COLLEGE

The College has, as a part of its Household Arts work, two Practice Cottages, in which each student is taught how to adapt herself most efficiently to simple home conditions based upon a moderate income. Opportunity is given to acquire skill through supervised practice in the various activities involved in the occupation of home-making. The social and business enterprises of home-making are given

their proper emphasis, and all-round responsibility for management is offered each student who resides in the Cottage.

The practical housekeeping work is conducted on the following plan: the junior students taking the Household Arts course are divided into small congenial groups, each group living for a period of about three weeks in the Ellen H. Richards Cottage or the Mary M. Bralley Cottage. The work of the cottages is under the supervision of two of the instructors in Foods. During this time each student in turn serves as hostess, cook, waitress, and housekeeper, thus gaining experience in carrying on the several home activities after approved methods of instruction.

In the Cottages, home management is studied from the scientific, economic, and practical standpoint; the application of the principles of cookery and dietetics adds value to meal planning and preparation. The principles underlying correct service help to establish right standards for the serving of meals. The application of the facts and principles of economics emphasizes the importance of preparing a budget and of keeping household accounts. A certain minimum allowance is provided for all expenses.

COLLEGE CAFETERIA AND TEA-ROOM

The College opened a cafeteria and tea-room during the spring of 1919. It serves the double purpose of furnishing food, at noon and in the afternoon, to students and members of the faculty at a reasonable cost, and also of giving the students of advanced classes in cookery an opportunity to study the practical side of institutional management. It is managed by the instructor of Institutional Management in the Department of Household Arts. The students specializing in the Institutional Management course are required to spend four hours or more a week doing practical work in the cafeteria, tea-room, and College dormitories. The students learn to use and operate the kitchen equipment and to assume the responsibility of the various duties in the din-

ing-room and kitchen for a definite period. This gives excellent training for students desiring to become cafeteria or tea-room managers, hospital or dormitory dietitians, and caterers for private entertainments.

LIBRARY

The Library of the College occupies, on the second floor, a portion of the east wing of the Administration Building. The seating capacity is not adequate to accommodate the present student body. However, prompt and valuable assistance in any line of reference work is given to every student who makes her needs known at the charging desk in the reading room, where an assistant, under the direct supervision of a trained librarian, is constantly in attendance.

The Library, even though limited in seating capacity and stack room space, has assumed a place of large importance in the College. It is a laboratory upon which all departments depend. It is not merely a storeroom for books, as are some college libraries, but it is an active workshop with the latest information on all subjects which receive special attention in the College.

The reference shelves contain the best sets of reference work, including general encyclopedias, dictionaries, atlases, year-books, bound magazines, periodical guides, and encyclopedias of special fields.

Books to meet the demands made upon the Library by the various departments have been selected with the utmost care and discrimination and with a nice regard to proportion and balance.

The Library contains approximately fourteen thousand volumes. In addition, it has on its shelves over seven thousand well classified pamphlets which have been placed in bulletin boxes and are easy of access to both students and faculty. It subscribes to more than one hundred and twenty-five current periodicals and receives many government publications and is on the regular mailing list of many colleges,

associations, and corporations which issue valuable bulletins and pamphlets. Furthermore, all the leading newspapers of Texas and several others of national recognition are received regularly.

The Library is open during the regular school year daily to the entire college constituency from 8:00 a. m. to 12:30 p. m., and from 1:30 p. m. to 5:00 p. m. It is also open from 7:00 p. m. to 9:00 p. m. daily, except Monday and Saturday, to accommodate various groups of students.

THE COLLEGE LAUNDRY

All students of the College are expected to have their laundry work done in the College laundry. Laundry lists, with prices, are supplied in advance. A laundry list, filled out with the owner's name and the number of different articles deposited, must accompany each bundle of laundry sent in. The list is used in sorting the laundry, and in returning same. When returned it shows the amount of work and the cost of same, settlement for which is made when the monthly board is paid.

All articles must be plainly marked with the name of the owner, the marking to be with indelible ink. The name may be placed on each white article with a pen. In case of dark goods a small strip of white linen bearing the name should be sewed to the garment. In no case may a student include in her laundry bag any article belonging to another student. Students must arrange these matters among themselves so as to avoid confusion of laundry markings.

Each student must have her own laundry bag, which should be plainly marked with her name, and which shall be used in delivering her laundry at the laundry room at such times as may be announced. Laundry bags should be made according to directions given by the teacher of clothing at the opening of school, the cost of material for each bag not to exceed twenty-five cents. Students may not deposit or receive laundry work at any other times than those an-

nounced by the management. The laundry reserves the right to refuse to do the laundry of any student until she has complied with the requirements mentioned above.

In connection with the laundry there is a well equipped dry-cleaning plant. All kinds of cleaning and pressing will be done at reasonable prices.

There are well-equipped laundry rooms in one of the instructional buildings, quite separate from the regular laundry above referred to, where any college student who desires may do all her own laundry work, upon payment of a very small fee. A large number of students avail themselves of this opportunity.

DEPARTMENT OF EXTENSION

The Extension Service of the College of Industrial Arts operates through the extension lectures, demonstrations, bulletins, music and reading recitals, conferences, and expert service in judging exhibits and debates.

With a faculty of more than a hundred men and women, the College is functioning in three different ways: (1) efficient classroom and laboratory instruction, (2) thoroughgoing research work, and (3) Extension Service by which the knowledge and ability of the faculty in fundamentally important aspects of our civilization are given free of cost to the public high schools and to organizations of men and women throughout the State.

Some of the organizations served by the Department are: teachers' institutes, parent-teacher associations, federated women's clubs, household science clubs, literary clubs, fairs (state, county, and community), Young Women's Christian Associations, child welfare leagues, the College alumnae organizations, and social welfare organizations.

The kinds of service offered through the Department are: Demonstrations in Foods and Cookery and in Dairy and Poultry Products; conferences with school principals and superintendents in the matter of equipment for laboratories

and for libraries, expert service in judging exhibits for schools or fairs; assistance for County and State Home Demonstration Agents in Canning Club Work and in Home Economics Short Courses; piano and violin recitals; readings and recitals from the Department of Reading; and a series of one hundred and twenty-five lectures and a number of bulletins on the topics of most interest to the homes of the State.

Though the eighteen departments of the College are represented in the Extension Service, and more than forty of the members of the faculty take part in the service, the emphasis is laid upon Home Economics and the closely allied activities of everyday life. The records show that the College of Industrial Arts was the first college, or university, or public school in Texas to organize and give laboratory instruction in home economics courses, and the first State supported educational institution in Texas to organize and conduct an extension service in home economics. For years the College of Industrial Arts has maintained a Department of Extension through which it has carried the knowledge and the service of the college annually to thousands of the housewives and the homes of Texas, and to hundreds of thousands of the people of Texas. The College of Industrial Arts has a home economics library, a strong economics faculty, and well-equipped economics laboratories.

The College of Industrial Arts believes that there is need for a closer affiliation between the high schools and the colleges and universities of the country. The educational system should be so well organized that the graduating high school boy or girl would no longer feel the necessity of a radical readjustment in passing from the senior high school year to the freshman college year. With this in mind the College of Industrial Arts offers, through its Department of Extension, a real service to the high schools of the state, especially in promoting a closer correlation of the high school and college courses of study, in furnishing advice and

information about the choosing of vocations, and in giving a large number of lectures which help to draw the high school and college closer together and to make the high school student feel at home when she enters college.

The College makes no charge for its extension service, but it is expected that the community requesting such service will meet the local expenses incurred in securing a meeting place, in the local advertising of the occasion, and in furnishing supplies for demonstrations. It is also expected that no charge will be made for the admission of the general public.

The Department of Extension wishes to emphasize its willingness to serve the State in every way possible, and cordially invites requests for its service or inquiry for additional information concerning its service.

THE SUMMER SCHOOLS

The Summer Session of the College is composed of two distinct schools, designated as the Summer Quarter and the Summer Normal Institute.

The Summer Quarter

This school is the fourth quarter of the regular college year. It offers most of the courses given during the other three quarters, thus enabling students of these quarters to continue their work through the summer without interruption. Former students and students from other colleges may also attend and pursue their studies for vocational certificates, or for college degrees. Teachers of college rank may take special courses better fitting them for their professional service.

The Summer Quarter continues for twelve weeks. It is divided into two terms of six weeks each. Unlike the other quarters, this one gives credit for each six weeks taken independently. Nine hours of college credit are allowed for each term, or a maximum of eighteen hours of college credit for the Summer Quarter for both terms. This permits stu-

dents to attend during one term only and secure college credit for one year in education, or in any other college subject. By attending during the Summer Quarter, as well as the other three quarters of each year, the student may obtain her degree and permanent certificate in three years. Former graduates of the College who received diplomas representing three years of college work may complete the requirements for the bachelor's degree in three summers, having a wide range of courses from which to choose. They may take special professional training in public school music, public school art, kindergarten, or playground supervision.

The faculty for the Summer Quarter consists of the regular college faculty. They are men and women who have received their training in the best colleges and universities of America and Europe. They are specialists of recognized ability and experience in their several fields. But they are not so confined to their special subjects that they fail to take active interest in the lives of the students under their instruction.

The Summer Normal Institute

The Summer Normal Institute is conducted each summer for the benefit of that large number of Texas teachers and prospective teachers who desire to secure teachers' State certificates, or to build upon those certificates already held, but have not a sufficient number of college entrance units to obtain their certificates on college credits. This school is conducted according to the rules and regulations issued by the State Department of Education. All subjects are offered that are included in the examinations for the various classes of teachers' State certificates. In addition to certificate subjects, many other vocational, literary, and professional subjects of special interest to teachers are offered.

The faculty of the Summer Normal Institute is chosen from the most competent, successful, and progressive teachers, principals, and superintendents of our public schools. They have intimate acquaintance both with the problems of

our Texas teachers and with the proper solution of such problems.

Reservations for Summer Session

The assignment of rooms for the summer session is begun January 1 of each year. An application and an assurance fee of two dollars (\$2.00) should be sent to the Registrar, C. I. A. Station, Denton, Texas. The summer session for the current year opens June 5, 1923.

ENROLLMENT

1922-1923

FRESHMEN

Name	County or State	Name	County or State
Abramson, Ruth Elaine.....	Potter	Bronsell, Eleanor Cecelia	Louisiana
Agnew, Stella	Stephens	Brown, Marie	Shelby
Aldridge, Thelma	Montague	Brown, Vernon	Robertson
Alexander, Mabel	Hemphill	Bruce, Alice	DeWitt
Alexander, Sara Ellene	Denton	Buhl, Bernice	Eastland
Allcorn, Thelma Elizabeth	Brown	Buron, Christine	Bowie
Allen, Virginia Louise	Denton	Burris, Bonnie B.	Runnels
Anderson, Mary Elizabeth	Harris	Burris, Gussie	Runnels
Andrus, Viola	Fort Bend	Burrough, Bernica	Tarrant
Archer, Della	McLennan	Burrows, Bessie Muriel	Johnson
Archer, Hazel Marie	Willacy	Bushnell, Edith	Brazoria
Armstrong, Katherine Florence.....	Jim Hogg	Butler, Mildred Hope	Louisiana
Aschbacher, Zenda	Harris	Butridge, Luella Esta	Grayson
Ashley, Corrinne	Collin	Byrd, Edrie	Collin
Atcheson, Thelma	Denton	Byrne, Louise	Bastrop
Babeock, Dorothy Robinson	Tarrant	Caldwell, Gladys	Neuces
Bailey, Helen	Denton	Caldwell, Margaret	Midland
Baird, Johnnie Lois	Upshur	Campbell, Alva	Irion
Baker, Irene Rebecca	Baylor	Campbell, Bernice	Palo Pinto
Baker, Mariam	Sabine	Campbell, Opal Franchell	Dallas
Ball, Eunetta	Johnson	Carmichael, Ruth A.	El Paso
Ballard, Jessie Mae	Oklahoma	Carr, Bessie	Wilson
Barnard, Eunice Lola	Gray	Carraway, Mary Hallie	Bexar
Barnes, Ida Belle	Jefferson	Carter, Hattie Beth	Bastrop
Barnett, Annie Laurie	Hunt	Carter, Lula Mildred	Bastrop
Barnett, Annie Maie	Dallas	Carter, Mildred	Navarro
Barnett, Martha	Lamar	Carter, (Billie) Ruth	Fannin
Barnett, Nita	Grimes	Cartwright, Mattie Smith	Grayson
Barnhart, Georgia	Cooke	Casey, Gladys Marie	Bowie
Barry, Alvina	Red River	Castle, Ruth	Smith
Barry, Frances Lenore	Grimes	Cathey, Felda Leigh	Runnels
Bartholomew, Rowena Anita	Dallas	Cato, Wilna Montez	Palo Pinto
Barton, Harriet	Falls	Caton, Katherine	Red River
Baxter, Margaret Josephine	Arkansas	Cavanaugh, Katherine	Williamson
Beavers, Hallie	Wood	Cellum, Gladys Louise	San Patricio
Benoit, Herma	Comal	Chalk, Doris	Howard
Benson, Catherine Jane	Hidalgo	Chambers, Vivian J.	Denton
Bentley, Maurine Adele	Louisiana	Chapoton, Ida Josephine	McLennan
Berry, Dexter	Van Zandt	Chastain, Mamie Laura	Hunt
Berry, Nan	Red River	Childress, Christine	Upshur
Besse, Audra	Parker	Childress, Kathleen	Upshur
Bigam, Leola	Midland	Christie, Hattie Ruth	Erath
Bishop, Willie	Oklahoma	Clark, Lucile	Houston
Black, Bernice Clara	Jasper	Clift, Annie Maude	Dimmit
Blackwell, Josephine	Hidalgo	Clinkscales, Ruby M.	Wichita
Blair, Annie Ruth	Jefferson	Cochrum, Margaret Joyne	Limestone
Blair, Esther Ruth	Navarro	Coe, Mary Elizabeth	Harris
Blake, Medora Vaughn	Wilson	Cole, Douglass,	Bell
Blewett, Roberta	Denton	Cole, Lucile	Sterling
Blohn, Eleanor Mabel	San Augustine	Collins, Ellen	Bastrop
Bothwell, Isabelle Noreen	Dallas	Compere, Kathleen	Missouri
Bourne, Nan	Red River	Compton, Julia	Tom Green
Bowen, Amelia	Coleman	Connell, Lady	Midland
Bowron, Frances	Young	Copeland, Clarice	Denton
Box, Narnie	Potter	Cowan, Lois Elizabeth	Mexico
Boyd, Audria R.	Denton	Cox, Berniece	Rockwall
Brady, Virginia	Lamar	Cox, Ruby Pauline	Rockwall
Brandt, Lucille Georgia	Hale	Crabb, Robbie	Fannin
Bright, Hattie	Sabine	Crain, Florence	Hill

Name	County or State	Name	County or State
Craver, Jurdenia	Wood	Fite, Maude	Rusk
Crawford, Irene	Sterling	Fleming, Sarah Minna	Parker
Crippen, Martha Lucille	McLennan	Flodos, Francis	Montague
Crittenden, Ann Alicia	Oklahoma	Flournoy, Helen Eloise	Oklahoma
Crow, Laura Foree	Dallas	Fontaine, Margaret Josephine	Arkansas
Crozier, Abbie Mae	Hall	Forbis, Virginia Sue	Dickens
Cunningham, Iona	Gaines	Forester, Delia Mount	Rockwall
Cunningham, Irene	Grayson	Forman, Myrtis	Freestone
Curry, Mary Evelynne	Falls	Forsyth, Natalie	Bexar
Curry, Nelle	Parker	Fox, Corinne	Denton
Curry, Velma	Hidalgo	Franklow, Ruth	Grimes
Curry, Willa Mae	Falls	Freeland, Conway	Hill
		French, Aubrey Nell	Grayson
		Fry, Anna Muthig	Johnson
Dalby, Avendelle	Bowie		
Dalechite, Lorene	Galveston	Garrett, Emma Louise	Camp
DaLee, Rhea	Denton	Garrett, Mary	Jackson
Dallas, Epsey	Bell	Gavit, Eulalia	McCulloch
Davenport, Geraldine	Parker	Gentle, Cathlene	Denton
Davidson, Mary Ann	Upshur	Gentry, Fay	Smith
Davie, Margaret Elise	Denton	Gibson, Leila	Robertson
Davis, Audrey Allen	Denton	Gillespie, Viola Venita	Camp
Davis, Mattie	Liberty	Gilliam, Ruth	Smith
Davis, Nell Lorrayne	Hunt	Glasscock, Nannie May	Johnson
Davis, Rubye Floyd	Wharton	Goodrich, Bertha Bailey	Sabine
Davis, Sarah Mary	Anderson	Gosney, Marie	Denton
Day, Margarite	Madison	Graves, Lucy Belle	Louisiana
Dees, Bertice	Mason	Graves, Marjorie Helen	Tarrant
Denton, Edith	Lamar	Gray, Marion Alice	Dallas
Dieter, Minnie Estelle	Kerr	Gray, Mary Lou	Fannin
Dishman, Mildred Lee	Jefferson	Gray, Myrtle	Falls
Donaghey, Mary	Fannin	Greene, Mary Pauline	Rusk
Donaldson, Grace	Wood	Greenwood, Cleo B.	Tarrant
Doss, Belva Lloyd	Fannin	Greer, Pauline	Wood
Douglas, Bobbie Maude	Grayson	Gromer, Frankie Margaret	Oklahoma
Douglas, Lorena	Wichita	Guinn, Susie Ellen	Young
Doyle, Dorothy Mary	Bexar	Gunn, Lucille	Milam
Dry, Lorena	Taylor	Gurley, Dorothy Faye	Tarrant
Dry, Loyce	Taylor		
Dugosh, Ruby	Bexar	Haggood, Dorothy	Bexar
		Hall, Katherine	Harris
Earle, Margaret	McLennan	Hamblen, Catherine Jane	Harris
Easton, Frances	San Patricio	Hamilton, Lillian Deane	Navarro
Eaton, Beatrice Bullard	Denton	Hamilton, Susan	Falls
Eaves, Jewell	Nacogdoches	Hammer, Hazel	Hill
Ebbersol, Minnie Faye	Martin	Hammond, Mae	Tarrant
Ector, Avis Merle	Denton	Happle, Erma Lenora	Terrell
Ector, Florence	Denton	Hardecastle, Jean	Harris
Eden, Josephine	Brazos	Hardy, Zou Margaret	Howard
Edgemon, Inez	Tarrant	Harlan, Martha Ruth	Bell
Edington, Margaret	Fisher	Harper, Lutie	Caldwell
Edmonston, Gertie May	Hardin	Harrison, Peggy Lorena	Camp
Edwards, Billye Marguerite	Denton	Hartzell, Emma M.	Wise
Egg, Alfreda	DeWitt	Hathcock, Helen	Howard
Egg, Ida Mae	Jackson	Hawkes, Alice Uzzell	Tarrant
Elder, Jane Avis	Matagorda	Hayes, Vera	Grayson
Ellis, Stacie Louise	Kleberg	Heinen, Alice	Comal
England, Gladys Edythe	Baylor	Henderson, Susie	Caldwell
Erhard, Florence	Bastrop	Hendrex, Murrell Ernesteene	Hunt
Erwin, Jewel Maurine	Tarrant	Hendricks, Vera	Grayson
Estes, Ferrell	Grayson	Hendrix, Inez	Anderson
Eubanks, Erwin	Limestone	Herzinger, Frances	Grayson
		Heston, Mary	Red River
Farmer, Lela Grace	Runnels	Hicks, Mildred	Dallas
Feggette, Malinda	Coryell	Hill, Werdna	Denton
Fenet, Maggie Adger	Louisiana	Hill, Zelma Mae	Bell
Field, Penelope	Bell	Hines, Blanche	New Mexico
Filiere, Geraldine	Grayson	Hodges, Ona	McLennan
Fischl, Josephine	Oklahoma		

Name	County or State	Name	County or State
Holder, Nadine	Collin	Little, Mary Alice	Jefferson
Holland, Claire	Cooke	Lomax, Elizabeth	Denton
Holland, Willie May	Gonzales	Long, Bernice	Foard
Holley, Zilpha	Bell	Long, Frances Maye	Denton
Holt, Mabel	Midland	Long, Margaret	Young
Holton, Lecta	Shelby	Love, Minnie Lucile	Bee
Hood, Sadie Lea	Howard	Lovvien, Vernita	Bastrop
Houston, Maggie	Cherokee	Lovelace, Annie Lora	Concho
Howard, Gyrle	Taylor	Lowrey, Guila	Sutton
Howard, Janie Murich	Lampasas	Lyle, Addie Willie	Jefferson
Howard, Nola	Palo Pinto	Lyles, Frances	Jefferson
Howell, Mary	Navarro		
Hudson, Catherine	Frio	McCarter, Dorris Ann	Galveston
Huff, Mamie J.	Fannin	McCauley, Pearla Blanch	Collin
Hughes, Dorothy DeWalt	Washington	McChesney, Emma	Bexar
Humphreys, Emma Elizabeth	Guadalupe	McCluney, Katie	Ellis
		McCollum, Cora Beatrice	Tarrant
Ingles, Frances Lee	Denton	McCollum, Mary Sue	Atascosa
Inglish, Alberta Lea	Jefferson	McDavid, Grace	Rusk
		McFarlin, Rosa Jean	Denton
Jackson, Beatrice	Barnes	McGall, Margaret	Karnes
Jaeggli, Lucile	Bexar	McGaugh, Marie	Brown
Jamison, Ruby	Wise	McGaughy, Lois May	Wilbarger
Jefferies, Rachel	Lamar	McGinnis, Althea	Bell
Jenull, Millie	Bexar	McGregor, Florence	Neuces
Johnson, Aura Belle	Grayson	McKee, Raye	Shelby
Johnson, Elizabeth Baylor	Bexar	McKinley, Mary	Hamilton
Johnson, Violet Marie	Harris	McKinnon, Mildred	Jefferson
Johnston, Lylah Maud	San Saba	McLane, Nell	Denton
Jones, Altha Bertha	Maverick	McLaughlin, Mildred Catheryne	Foard
Jones, Annie Kathryn	Bell	McMichen, Mona Emma	Hill
Jones, Grace	Eastland	McShan, Ursula	Runnels
Jones, Lunell	Polk		
Jones, Sarah Lorena	Williamson	Maddox, Bertha Margareta	Palo Pinto
Jones, Willie Gray	Brazos	Manly, Mildred	LaSalle
Jordan, Lillian	Howard	Mann, Alleen	Red River
Judson, Margaret Cornelia	Bexar	Mann, LaMargaret	Dallas
Justice, Vera Lee	Nacogdoches	Marable, Carrie	Red River
		Markham, Alyne	Collin
Kebelman, Bertha	Parker	Martin, Helen LaHoma	Denton
Keith, Mary Louise	Kaufman	Martin, Leta Josephine	Arkansas
Kelley, Lillian Edith	Haskell	Martin, Leta Pauline	Collin
Kennedy, Faye	Young	Mason, Frances	Denton
Kermickel, Jean	Tarrant	Mason, Ima	San Augustine
King, Frances	Eastland	Mathews, Myrtie Itasca	San Augustine
King, Mamie C.	Collin	Maxwell, Pauline Marie	Harris
King, Margaret Elizabeth	Dallas	Meadows, Janie	Titus
Kingery, Vivian	Denton	Mebane, Mary	Brazoria
Kitterman, Letha Lemedra	Dallas	Menefee, Susie	Harris
Klein, Bertha	Dallas	Milberry, Hazel	Bexar
Knapp, Della	Robertson	Miller, Virginia	Wichita
Knapp, Pearl	Robertson	Mims, Robbie Irene	Tom Green
Krenek, Adella	Harris	Mobley, Irene Clara	Young
		Monagin, Gwendolyn	Uvalde
Lacy, Ruth Lucile	Rusk	Montgomery, Frances Virginia	
LaLonde, Virginia	Grayson		McLennan
Lambert, Velma Orene	McLennan	Moore, Evelyn Lucille	San Patricio
Landrum, Doris	Uvalde	Moore, Margaret Lindsey	Louisiana
Lansford, Irmette Lolita	Childress	Moore, Marjorie Allene	Hill
Lattner, Estelle	Denton	Moore, Mary Catherine	Bexar
Laughter, Katherine Murl	Hays	Moore, Teadye	Bell
Lavender, Marguerite	Caleman	Morris, Jewel Mamie	Smith
Lee, Ruth	Freestone	Moses, Faustine	Rusk
Leeman, Sarah Lucretia	Fannin	Muenker, Anna	Grimes
Legg, Helen	McLennan	Mullins, Murliel Bernice	Fort Bend
Liem, Opal	Shelby		
Lipscomb, Mary Etta	Tarrant	Neale, Martha	Denton
Liston, Sybble	Cameron	Nebergall, Lottie	Comal

Name	County or State	Name	County or State
Nelson, Verna Louise	Camp	Sewell, Alma	Denton
Nichols, Marguerite	Rockwall	Sewall, Mildred	Louisiana
Nixon, Annette	Bowie	Shannon, Carol	Grayson
Pangle, Vivian	Palo Pinto	Sharp, Velma	Dallas
Parten, Alice	Madison	Shepard, Ruth	Brown
Payne, Velma Teresa	Eastland	Sheppard, Laura Leal	Denton
Peavy, Nellie	Van Zandt	Sidner, Katheryn	Cameron
Peters, Erika Caroline	Galveston	Simank, Grace	Washington
Peterson, Marjorie Isabelle	Lavaca	Simmons, Eloise	Webb
Petts, Esra Marie	Trinity	Simms, Louise Kate	Denton
Petty, Frances Luinda	San Saba	Sims, Cecil	Lubbock
Petty, Josephine Edmond	San Saba	Sinclair, Marguerite	Denton
Pinson, Lucile	Kaufman	Sisson, Mildred	Orange
Poole, Mary Charlotte	Floyd	Skinner, Louise	Denton
Porter, Autry Inez	Taylor	Sloan, Cora Mae	Tarrant
Porter, Mabel Brannon	Shelby	Smith, Harriet Melba	Denton
Powel, Mary	Zavala	Smith, Mary	Stonewall
Price, Ruth	Jefferson	Smith, Mattie Gene	Oklahoma
Pryor, Gladys Mae	Lubbock	Smith, Orlan Velma	Polk
Puckett, Clara	Karnes	Smith, Rena Hazel	Swisher
Puckett, Eva	Denton	Smith, Theresa Elizabeth	Arkansas
Pugh, Harriet Elizabeth	Hidalgo	Smith, Zella	Stonewall
Putman, Melba K.	Bexar	Sommer, Pauline	Washington
Ramsey, Elizabeth	Oklahoma	Southerland, Frances Vera	Louisiana
Randall, Allie	Wilbarger	Spears, Ruth Magdeline	Lamar
Raven, Jewel	Victoria	Spikes, Pauline	Johnson
Ray, Donna	Wood	Spradlin, Ada	Alabama
Ray, Gertrude	Coryell	Spragins, Louise	Grayson
Ray, Ruby	Limestone	Stallings, Bythard	Nacogdoches
Rea, Bernice	Bosque	Stapp, Virginia	Williamson
Rea, Mary	Oklahoma	Stark, Lottie	Bexar
Rea, Mary Nell	Hamilton	Stokes, Ruby	Scurry
Reagan, Ida Louise	Collin	Stone, Nora Rose	Tarrant
Reagin, Zada Antoinette	Kaufman	Stout, Allie Mae	Ellis
Reaves, Lois	Denton	Straughan, Mrs. H. V.	Knox
Reed, Thelma	Bell	Strayhorn, Mary	Scurry
Reedy, Pearl	Clay	Stribling, Helen	Taylor
Reichert, Mildred Kathryn	Hidalgo	Stuart, Hortense	Jack
Remington, Virginia	Brown	Sudderth, Berneice	Fannin
Renshaw, Perna Exa	Fannin	Swan, Anna V.	Oklahoma
Richardson, Sara Annette	Grayson	Swinebroad, Arra	Denton
Ridpath, Louise Straughan	Oklahoma	Swinebroad, Virginia	Denton
Rieves, Harriet	Parker	Swinney, Minnie Elizabeth	Pecos
Rigney, Baby Ferd	Fannin	Swint, Mattie	Cottle
Ringo, Robbie	Palo Pinto	Sylvester, Elizabeth	Coleman
Roach, Lynn	Lamar	Talley, Ora Mae	Robertson
Roberts, Minta Alice	McLennan	Tansey, Charline	Jones
Robinson, Grace	Denton	Tansey, Wilma Evelyn	Bastrop
Robinson, Pauline	Tom Green	Tarrant, Beatrice	Smith
Robinson, Waunita	Taylor	Taylor, Audrey	Fannin
Roden, Vera	Lamar	Taylor, Lou	Young
Romans, Mary	Lampasas	Terry, Florence	Denton
Rombo, Mildred Peg	Deaf Smith	Tetts, Cleo	Matagorda
Rucker, Guyaria	Smith	Thacker, Ada Bell	Nacogdoches
Rudd, Mildred	Bell	Thedford, Betty Anne	Parker
Russell, Lucille	Navarro	Tholl, Sylvia Eva	Dallas
Russell, Mabel Compton	Taylor	Thomas, Dell	McLennan
Salmon, Persia	Frio	Thompson, Lucy	Collin
Sands, Grace Isabelle	Harris	Tilley, Mildred Inez	Ellis
Saylor, Carol Katheryn	Hidalgo	Titsworth, Zora	Fannin
Schaefer, Charlotte	Bexar	Tomlinson, Mabel	Denton
Schnable, Kathryn	Oklahoma	Toups, Jessie	Jefferson
Schorre, Alma	Karnes	Tucker, Josephine	Parker
Scotfield, Mabel LeClaire	Cooke	Turner, Elza	Arkansas
Seele, Ruth	Bexar	Turpin, Nell Mildred	Parker
		Uhr, Estella	Bexar
		Urquhart, Jeffe May	Marion

Name	County or State	Name	County or State
Vallee, Effie Irene	Jefferson	Williford, Claryce	Anson
Van Verth, Jessie Carroll	Harris	Wilson, Margaret	Denton
Vaughan, Mildred	Matagorda	Wilson, Vinnie	Johnson
Wadley, Frances Elizabeth	Bastrop	Winfrey, Vera	Liberty
Ward, Fay Francis	Howard	Wolcott, Elsie	Midland
Ward, Gladys	Titus	Wolverton, Martha Margaret	Limestone
Watson, Hazle	Palo Pinto	Wood, Edna Earle	Childress
Watson, Susie Pearl	Sabine	Wood, Elizabeth	Young
West, Myrtle Dove	Tarrant	Woods, Mary Ellen	Cooke
Wheeler, Naomi Ruth	Denton	Wood, Pauline Augusta	Hill
White, Dorothy	DeWitt	Woods, Sara Jeanette	Jefferson
White, Ida Amelia	Howard	Woodridge, Ruth	Bexar
White, Laura Myrtle	Upshur	Wright, Georgia Ellen	Young
Whitson, Maurine Joy	Hidalgo	Wright, Margaret	Rusk
Whitworth, Nellie Lou	Denton	Wyatt, Agnes Marie	Eastland
Williams, Edna Graham	Louisiana	Yarbrough, Mary Winifred	Madison
Williams, Leavelle	Denton	Yates, Catherine	Kaufman
Williams, Mabel	Upshur	Young, Artie	Grayson
Williams, Mary Lou	Tarrant	Young, Mary Catherine	Jackson
Williams, Nina Amanda	Maverick	Zumwalt, Elizabeth	Denton

SOPHOMORES

Adams, Pauline	Van Zandt	Cariker, Josephine Elizabeth	Nacogdoches
Ahlers, Frieda	Limestone	Carter, Loretta Eugenia	Palo Pinto
Axtell, Helen K.	Montgomery	Carter, Mary Elizabeth	Palo Pinto
Bailey, Elizabeth	Bell	Cartwright, Inez	Kaufman
Baker, Lucy Winnifred	Cherokee	Casimir, Frances	Robertson
Baker, Weltha	Lamar	Chadwick, Bertha Lee	Denton
Ball, Zella Jane	Johnson	Chambers, Margaret E.	Harris
Banks, Marie	Denton	Chapman, Wilma	Gray
Barbee, Blanche	Bexar	Christian, Avis Ela	Armstrong
Barton, Jessica	Red River	Clark, Frances Elizabeth	Foard
Barton, Tommy Grace	Hill	Close, Florence Katherine	Coleman
Bassett, Elizabeth	Bell	Cole, Dora Mayne	Eastland
Beard, Katherine	McLennan	Cooley, Marguerite	Falls
Beard, Peggy	Van Zandt	Cooper, Bertha	Liberty
Beasley, Ruth	Denton	Cowan, Jessie	Roberts
Becker, Clara Julia	Limestone	Cowan, Lena Tot	San Saba
Bennett, Katherine	Braxoria	Cox, Mary Dimple	Glasscock
Bigham, Alice	Taylor	Craddock, Ruth	Denton
Blackburn, Mary Lee	Washington	Cravens, Elizabeth	Grayson
Blackmon, Rosamond	Limestone	Crowder, Delila	Denton
Blades, Addie Lee	Grayson	Curtis, Pauline	Parker
Blanton, Florrie	Cherokee	Dargan, Mildred Hale	Harris
Bollier, Jennette Irene	Bastrop	Darling, Mary Ellen	Bell
Booe, Elba Jewel	Van Zandt	Davenport, Hallie Lucile	Denton
Bounds, Celeste	Johnson	Davis, Avelyn	Nacogdoches
Bourn, Ruth Mae	Bexar	Davis, Elfred Rowena	Cherokee
Boyd, Eleanor Constance	Denton	Davis, Nannie Sue	Panola
Boynton, Nettie Olla	Austin	Davis, Nora	Armstrong
Brigham, Bessie T.	Blanco	Davis, Willie	Donley
Brown, Beryl	Navarro	Dawson, Mary	Trinity
Brown, Jewel	Navarro	Dean, Ruth	Denton
Brown, Maude	Smith	Denny, Mildred	Wichita
Brown, Ruby	Navarro	Deweese, Myrtle Alverta	Waller
Buchanan, Gillian	Eastland	Dies, Lady Jack	Harris
Budd, Ruth Adaline	Fannin	Dodson, Thelma Frances	Ward
Buescher, Elvera	Bastrop	Duke, Louise	Dallas
Burford, Annie Lucy	Tarrant	Dunbar, Laura Frances	Anderson
Burgess, Mildred	Lubbock	Edmonds, Frances Louise	Erath
Byron, Helen	Smith	Edmonston, Gussie	Hardin
Caillet, Shirley Lucas	Dallas	Edwards, Lillian Mae	Hardin
Cameron, Mrs. Genie E.	Denton	Edwards, Prentice Lillian	Navarro

Name	County or State	Name	County or State
Egg, Luella	DeWitt	Knolle, Earlene Carrie	Fayette
Elrod, Effie	Anderson	Knowles, Marylue	Denton
Emison, Viola Fannie	Brewster	Kuhlmann, Ethel Elouise	Harris
Engle, Margaret	Harris	Lain, Adele	Johnson
Epperson, Nell	Hunt	Lawson, Willa Lucile	Montague
Evans, Mavis	Fannin	Ledbetter, Mackie	Grayson
Fain, Gertrude	Hopkins	Leverett, Viola	Tarrant
Faulk, Doris Fern	Cameron	Lewellen, Alyne	Hale
Ferguson, Annie Kate	Hale	Little, Hazel	Hill
Fertitta, Marguerite Cecelia	Jefferson	Locks, Gertrude	Trinity
Field, Mary Nell	Montague	Lokey, Mattie	Lubbock
Fisher, Cora	Kimble	Lokey, Pauline	Lubbock
Flannery, Nelle Frances	Grayson	Lolley, Frances	Denton
Fleming, Mary K.	Camp	Long, Clarice	Webb
Foster, Emily	Galveston	Low, Helen	Grayson
Foster, Leona Estelle	Angelina	Lowry, LaVerne	Bel
Freeland, Mary Ruth	Denton	McCaffrey, Wilda	Anderson
Girand, Alma Mae	Taylor	McCarty, Lucile	Hamilton
Goodson, Nell Clide	Arkansas	McCord, Mary Lucille	Jones
Goodwin, Helen Wilson	Jones	McCuistion, Margie	Lamar
Gordon, Daisy	Montgomery	McDonald, Aree Evelyn	Marion
Grant, Lallie Maude	Red River	McFarlane, Len	Bexar
Grant, Villa	Red River	McKee, Elizabeth Louise	Lubbock
Grau, Louise Dorothy	Williamson	McKey, Rosabel	Collin
Gray, Daisy Marie	Marion	McKissick, Lois	Tarrant
		McMath, Edith	Denton
Hammond, Arra	Lamar	Mackey, Thelma Adaline	Harris
Hammond, Bertie Ileen	Denton	Madeley, Bernice	Grimes
Harris, Norene	Scurry	Martin, Minnie Mae	Denton
Hayley, Zelma	Coke	Maxcy, Mabel Ellet	Denton
Heald, Velma G.	Jones	Merchant, Glenn	Lee
Hester, Eula Mae	Denton	Michelson, Sue Blossom	Gonzales
Hicks, Ella Faye	San Augustine	Middleton, Lora D.	Jones
Hicks, Mae Elizabeth	San Augustine	Miller, Olga	Grayson
Hightower, Dorothy	Grayson	Mistrot, Mary	Grimes
Hodges, Mary Beth	Bee	Mitchell, Eugenia	Denton
Hoffman, Laura	Titus	Moon, Marguerite	Caldwell
Hoge, Catherine	Lamar	Morrison, Alice Myrtle	Reeves
Hollaway, Bonnie	Denton	Morrison, Opal Ray	Denton
Holman, Violet Florance	Louisiana	Murdock, Palma Maurine	Trinity
Holt, Ivey Elouise	Grayson	Murdock, Velma	Reeves
Horton, Helen Beth	Denton	Murphree, Margaret	Titus
Hughes, Neacie	McCulloch	Muse, Frances Ree	Collin
		Muse, Marguerite	Collin
Ikard, Avisa	Archer	Myers, Eleanor	Harrison
Israel, Mary Louise	Oklahoma	Myers, Texie	Harrison
Jacobs, Esma	Hunt	Naugle, Georgia Blanche	Denton
James, Eva Pauline	Grayson	Naugle, Jennie Ruth	Denton
James, Mattie B.	Eastland	Neason, Eddie	Limestone
Jarrell, Alma Joe	Navarro	Neff, Virginia Evins	Wharton
Johnson, Annie Ruth	Lee	Nelson, Gustava	Jefferson
Johnson, Frankie	Hunt	Newberry, Mary Mildred	Gonzales
Johnson, Inah Mary	Wheeler	Norris, Mabel Gertrude	Bexar
Johnson, Verna	Eastland		
Johnston, Ben Maurine	Delta	Odom, Evelyn	Smith
Jones, Dottie Dimple	Denton	Oglesby, Evelyn Louise	Fannin
Jones, Eva	Bastrop	Ohr, Mary Elizabeth	Fannin
Jones, Maude	Schleicher	Olson, Anna Marie	Bosque
Joplin, Mary Alice	Johnson	Overbey, Zula	Eastland
Jordan, Jena M.	Howard		
Keeton, Sondheim	Fannin	Park, Mary	Grayson
Kent, Janice	Jefferson	Parker, Katie George	Hamilton
Klossner, Roxana Helaena	Hidalgo	Peak, Dottie Mae	Palo Pinto
Knapp, Ruth	Robertson	Peterson, Lois	DeWitt

Name	County or State	Name	County or State
Petersen, Minnie L.	Oklahoma	Struve, Irma	Hale
Peyton, Mabel	Lamar	Stuart, Willora	Grimes
Pinson, Gladys	Grayson	Swinebroad, Florence	Denton
Pollard, Adelle	Lamar		
Posey, Mildred	Palo Pinto	Tabb, Harriet	Liberty
Potts, Thelma	Nacogdoches	Tackitt, Adelle	Denton
Prouty, Bessie May	Austin	Tankersley, Myra	Irion
		Tatum, Cleone	Bosque
Ragsdale, Ann Elizabeth	Bexar	Thayer, Charlotte	Calhoun
Randal, Jessie Estelle	New Mexico	Thompson, Opal	Hidalgo
Ray, Mabel Elizabeth	Tarrant	Thorn, Louise	Red River
Rayzor, Flossy	Denton	Tipton, Helen	Bell
Reast, Francis Louise	Grayson	Trewitt, Beatrice	Denton
Reaves, Eleanor	Denton	True, Annie	Nueces
Rice, Mrs. Elizabeth S.	Cooke	Turner, Lula Leone	Denton
Richards, Polly Esther	Eastland		
Richardson, Annie Louise	Denton	Vanderver, Hazel Dorothy	Smith
Richardson, Virginia	Rusk	Voelcker, Norma	Comal
Riley, Eddie May	Trinity		
Rister, Mary Agnes	Taylor	Wade, Wilma	Denton
Rohde, Samar	Galveston	Waite, Velma	Oklahoma
Ruble, Mildred	Fannin	Wall, Pauline	Tarrant
Ruhlen, Myrtle	Reeves	Wallace, Marjorie	Anderson
		Walling, Julia Bell	San Augustine
Sanders, Vera Gladys	Matagorda	Watkins, Annie Pauline	Smith
Saunders, Marie	Tarrant	Watkins, Kate	Tarrant
Schram, Maude	Oklahoma	Watkins, Mayme Virginia	Caldwell
Scott, Dorothy	Grayson	Webster, Caroline	Cameron
Seely, Ethel Josephine	Johnson	West, Mary	Jefferson
Sentell, Mary Lee	Brazoria	Williams, Catherine Opal	Collin
Shivel, Mildred Dumas	Grayson	Williams, Molena Annette	Denton
Simmons, Billy Inez	Grayson	Winbury, Lorene Norton	Denton
Singleton, Annette	Marion	Wintle, Edith	Wichita
Skiles, Viva Beatrice	Denton	Wisian, Mildred Ruth	Caldwell
Small, Frances Tunstall	Travis	Witsell, Cherry Addie	McLennan
Smith, Christine Elizabeth	Bastrop	Wolfe, Alma Lee	Bee
Smith, Fern Margaret	Bexar	Wolfenberger, Tena Lee	Parker
Spellman, Coreen Mary	Kaufman	Woody, Virginia	Parker
Spencer, Anne	Denton	Wright, Irene	Van Zandt
Sprouse, Frances	Denton	Wulfjen, Louise	Denton
Stafford, Helen Howard	Eastland		
Stetson, F. Virginia	Jim Hogg	Yancey, Eloise	Denton
Street, Mildred Rines	Mills	Yearwood, Rebecca	Hale

JUNIORS

Abel, Margaret	Caldwell	Davis, Mary Lois	Bexar
Aldridge, Thelma Lee	Hill	Dennis, Edith Pauline	Wichita
Armstrong, Lillie Mae	Denton	Disch, Alexina J.	Louisiana
		Edwards, Virginia Lee	Denton
Baker, Hattie Mae	Louisiana	Eiler, Louise	San Saba
Ballard, Vera Pullen	Montague	Erwin, Elizabeth Herron	Freestone
Birdwell, Lona Lynn	Rusk	Estes, Irene	Tarrant
Black, Margaret E.	Bell	Fain, Ivy Mae	Grayson
Brumit, Margaret Elizabeth	Fannin		
Bugg, Mary Beth	Limestone	Gandy, Leah	Travis
		Gibson, Lila Jane	Lubbock
Carroll, Anna M.	Galveston	Graves, Susan Elizabeth	Kaufman
Cartwright, Marion	Grayson		
Clark, Adelle	Collin	Hall, Erma	Denton
Cochran, Anna Mae	Nolan	Headlee, Lila Adline	Denton
Collins, Elizabeth	Bastrop	Hill, Zola Mae	Fannin
Connell, Stella	Freestone	Horton, Luzelle Wade	Hunt
Conway, Agnes	Brazos		
Cook, Christine	Bastrop	Jennings, Etna	Limestone
Cook, Mackie E.	Denton	Johnson, Ivy Marie	Dallas
Craig, Lucy Alice	Hale	Johnson, Mary Margaret	Marion
Cunningham, Mary Jean	Fannin	Jones, Nellie Mae	Hunt

Name	County or State
Jones, Ruby	Schleicher
Kaminsky, Ray Blum	Harris
Kirby, Kathleen	Denton
Knox, Ruth Marcella	Denton
LeMaire, Johnnie	Orange
Lilly, Eula	Medina
McMurray, Helen	Hunt
McNess, Leora	Nacogdoches
Maricle, Leona	Wichita
Martin, Vera Robena	Denton
Mason, Louise	Denton
Murray, Helen	Denton
Peavy, Clarice Ruth	Bowie
Penn, Mary Rena	Grayson
Perry, Helen Gould	Denton
Phipps, Bernice	Falls
Plunkett, Margaret Genevieve	Tarrant
Poole, Christal Lee	Denton
Porter, Dorothy	Morris
Price, Mary Inez	Somerville
Price, Laura	Hunt

Name	County or State
Ramey, Jessie Pauline	Denton
Randle, Greta Fay	Dallas
Reaves, Gay	Denton
Reeves, Julia Jewell	Denton
Reynolds, Zora J.	Dallas
Rogers, Gladys	Palo Pinto
Rowell, Anna Lorene	Denton
Sarrazin, Lydia	Falls
Sawyers, Juanita Dudley	Hunt
Shackelford, Alice Virginia	Bexar
Slaughter, Myra	Montague
Springfield, Elizabeth Mae	Leon
Stark, Baby Ruth	Titus
Stroman, Anna V.	Palo Pinto
Thomason, Mary	Walker
Tidwell, Ruby	Morris
Vance, Addie	Tarrant
Van Meter, Merle	Wise
Wade, Alma	Denton
Walker, Edna	Tarrant
Warner, Hallie	Lamar
Watkins, Bessie Marie	Tarrant
Wright, Inez	Ector
Willingham, Rozelle	Smith

SENIORS

Name	County or State
Acklin, Pauline	Denton
Ard, Elaine	Oklahoma
Babb, Olive	Leon
Baker, Beryl Esther	Fayette
Baker, May	Tom Green
Barnett, Bess	Hunt
Barton, Willette E.	Travis
Baxter, Lennie Elizabeth	Denton
Blades, Lou Ida	Grayson
Boswell, Clara L.	Red River
Boswell, Era	Red River
Boulden, Ouida Alice	Colorado
Bowden, Hertha Reaves	Arkansas
Bradshaw, Dorothy	Taylor
Brannin, Balsie	Palo Pinto
Buck, Eula Miriam	Tarrant
Bush, Rose Grace	Oklahoma
Butler, Marguerette	Denton
Caillet, Louise	Dallas
Carpenter, Ray	Red River
Cartwright, Catherine	Grayson
Compere, Miriam	Taylor
Cox, Minnie Maude	Hill
Craig, Clara Mabel	Hale
Curry, Myrtle	Falls
Davis, Helen M.	Brazoria
Davis, Middle Elizabeth	Panola
Dutton, Charity	Grayson
Emmons, Glenna	Bexar
Fairchild, Dana Glass	Angelina

Name	County or State
Fitzgerald, Mary Earle	Jefferson
Foster, Adina	Dallas
Foster, May	McLennan
Francis, Helen	Denton
Franklin, Ione	Bexar
Frazer, Ina Lilleth	Harris
Fuchs, Emma	Denton
Givens, Lucy Abi	Dallas
Goodrich, Evelyn	Titus
Grisier, Lucile	Denton
Hallam, Margaret	Tarrant
Hammond, Bettie	Lamar
Harkrider, Gertrude	Harrison
Hart, Mary Corrinne	Wood
Hart, Santa	Farker
Hightower, Selma Lois	Tarrant
Hodges, Irene	Bee
Hollowell, Linnie Mae	Denton
Holloway, Lola V.	Denton
Hudziez, Dortha	Johnson
Husbands, Myrtle	Hunt
Jaeggli, Elsie	Lavaca
Jenson, Alice	Bosque
Jenkins, Mardie	Leon
Johnson, Lucille Mable	Hunt
Jones, Floy Hallie	Ellis
Jones, Sibyl	Schleicher
Keeling, Gladys Juanita	Taylor
Kerley, Edythe	Denton
Lilly, Robbie	Medina

Name	County or State	Name	County or State
Lipscomb, Anne	Hidalgo	Randall, Anna	Harris
Lively, Patsy Edna	Baylor	Rattan, Rube	Collin
Locke, Deoleice	Trinity	Rawlings, Lucy	Coke
Lusk, Margaret	Denton	Rea, Edna Rosalie	Hamilton
McClendon, Nina	Trinity	Reed, Mac	Fannin
McDaniel, Edna Mae	Harrison	Rohde, Sepha	Galveston
McGlasson, Ona B.	Wise	Ross, Mamie Mildred	Oklahoma
Mackensen, Verona	Bexar	Rowland, Marion	Denton
Mahan, Fay	Cooke	Rudd, Hilda	Bell
Mallory, Berenice	Louisiana	Runyon, Marion	Tarrant
Manning, Epsie Elouise	Louisiana	Schmidt, Mattie Lee	Anderson
Massey, Fern	Denton	Sheppard, Lorene	Denton
Maxwell, Louise	Travis	Slaughter, Seba	Montague
Michelson, Ruth	Gonzales	Slone, Ora	Angelina
Miller, Annie	Denton	Starr, Abbie J.	Wilbarger
Miller, Marion McChesney	Cameron	Swilley, Myrtle	Harris
Miller, Mary Frances	Ward	Tanner, Mary Douglass	Denton
Minter, Grace	Denton	Taylor, Cymbel	California
Montgomery, Myra Estelle	Grayson	Thompson, Florence	Medina
Moore, Lula	Wood	Tucker, Lewis Mabel	Denton
Moss, Ida Alice	Harris	Turnbough, Elizabeth	Hardeman
Morgan, Doris Nadine	Fannin	Turner, Fern	Denton
Nussbaum, Bernice	Navarro	Varner, Katherine	Denton
Nutter, Mamie Kae	Clay	Wallace, Alva Dey	Hill
Oliver, Myrtle	Hill	Watkins, Mabel Lee	Denton
Orr, Hazel	Callahan	Watts, Winnie Davis	Johnson
Park, Joardis	Denton	Wendt, Anne	Grayson
Pazdral, Josephine	McLennan	West, Ouida	Grayson
Piner, Ouida	Denton	West, Ruth	Van Zandt
Porterfield, Velma D.	Hardeman	Wileman, Glenn	Williamson
Posey, Ruth	Palo Pinto	Wiley, Margaret Lee	Denton
Pyburn, Bassie K.	Limestone	Williamson, Irene	Hood
Pyron, Leila	Bexar	Womack, Vivian	Lamar
		Wood, Estelle	Denton
		Worley, Kathleen	Montague

VOCATIONAL STUDENTS

Baker, Alma	McClennan	Lindstrom, Hazel	Wharton
Brady, Helen Lucille	Eastland	McClure Frances Jayne	Jackson
Carman, Hazel Corinne	Denton	McCready, Elizabeth	Harris
Chadwick, Litsey	Denton	Markwell, Mary	Galveston
Cox, Margaret	Galveston	Miller, Margaret Moselle	Travis
Davis, Mabel	Panola	Poston, Louise	Tarrant
Dickson, Grace	Louisiana	Purnell, Ethel Mae	Denton
Dortsch, Mrs. Annie Leal	Ellis	Rambie, Thelma Inez	Bexar
Fry, Lucille	Nolan	Ramsey, Jessie Kathryn	Grayson
Gardner, Mary Eugene	Tarrant	Richey, Doris	Jasper
Gibson, Ada Lillian	Cottle	Richey, Leah	Jasper
Gresham, Lois	Bell	Rutlege, Blanche	Irion
Henderson, Oleta	Hemphill	Scott, Winifred	Denton
Herron, Elma	Archer	Smith, Fae	Denton
Holland, Ida Faye	Denton	Wilson, D. Jessie	Red River
Kaufmann, Hattie	Kansas	Wilson, Nora	Denton
Kubitza, Sophie	McLennan	Zemanek, Alvina	Ft. Bend

DEMONSTRATION HIGH SCHOOL STUDENTS

Name	County or State	Name	County or State
Becton, Mable Elizabeth	Lubbock	LeRibens, Ella Marjorie	Brazoria
Berry, Agnes Eddy	Navarro	McClendon, Fannie	Milam
Berry, Iley Mae	Navarro	McManus, Mattie B.	Irion
Browder, Blanche Tommy	Parker	Marshall, Ruth	Bastrop
Bruce, Annie Fae	Denton	Martin, Edith Montgomery	Mills
Bullington, Lillian	Wichita	Masters, Mrs. W. N.	Denton
Campbell, Aileen	Irion	Monroe, Gladys Flora	Austin
Dabney, Vinnie	Wise	Montgomery, Linnie Kate	Navarro
Daniel, Margaret Isabel	Jim Wells	Murdock, Lillian	Trinity
Davis, Annie Zora	Navarro	O'Quinn, Mary Lea	Runnels
Delong, Love Beatrice	Irion	Park, Justine	Grayson
Dumas, Wilhelmina	Hale	Phillips, Elsie Lucille	Denton
Farmer, Josephine	Navarro	Ratcliff, Jessie Lee	Sabine
Flint, Madeline	Stephens	Reaves, Willie Izetta	Fisher
Franks, Nina	Lamar	Reed, Laura	Fannin
Givens, Mary Lillian	Cass	Rhyne, Vivan	Wise
Gorum, Naomi Bell	Lamar	Rivers, Loretta	McLennan
Gunter, Laura	Limestone	Robinson, Will Maud	Fisher
Gurney, Myrtle Ardelia	Shackelford	Rodes, Alleen	Raines
Hamilton, Virginia	Harris	Routh, Dorothy	Fannin
Haney, Ruth	Foard	Scaff, Roberta	Red River
Hart, Irene Caroline	San Saba	Scott, Mary Alice	Leon
Harwell, Nina Margaret	McLennan	Staley, Opal Thelma	Wichita
Haynes, Hazle	Denton	Stepleton, Ruth	Harris
Holland, Grace Rosalind	Dallas	Thompson, Crystal Lee	Grayson
Hudspeth, Lucy	Cooke	Webb, Helen	Lamar
Hunter, Rita Elizabeth	Johnson	Whitsett, Effie Lorena	Hunt
Johnson, Laura Belle	Culberson	Wilson, Anna B.	Armstrong
King, Florence Atrelle	Sabine		

IRREGULAR STUDENTS

Bailey, Katherine McKee	Denton	Greathouse, Mrs. Carrie M.	Denton
Barker, Mrs. Gertrude	Arkansas	Gustavus, Annie Gene	Potter
Bates, Gladys	Denton	Hallman, Lennie	Denton
Beville, D'Laural	Donley	Hanna, Ola	Floyd
Bradley, Cleo Elizabeth	Falls	Harmon, Effie M.	Dallas
Bray, Helen A.	Denton	Harper, Katharine	Hardman
Brodie, E. C.	Denton	Harris, J. Elizabeth	Denton
Capps, Dorothy	Tarrant	Harrison, Rhoda	Ellis
Carroll, Ruth	Jefferson	Hillery, Roberta	Oklahoma
Caughran, Mary Alice	Knox	Humphries, Lillian	Denton
Clark, Mrs. Willis H.	Denton	Jagoe, Mary E.	Denton
Cobb, Mrs. T. P.	Denton	Judd, Mrs. Ira Bell	Denton
Cook, Mabel	Nacogdoches	Kelly, Mrs. Ella	Denton
Craddock, Mattie	Denton	Kiber, Emma D.	Denton
DaLee, Alois	Denton	King, Katherine	Denton
Davis, Isabelle Gertrude	Jefferson	Kirby, Genevieve Berenice	Colorado
Ebbels, Grace A.	Denton	Lipscomb, Maggie Naomi	Denton
Ellison, Mrs. L. M.	Denton	Little, Zola	Denton
Feagin, Ruby	Tarrant	Long, Marian	Denton
Foley, May E.	Denton	Long, Ruby	Erath
George, Allie	Denton	Lyons, Nan	Fannia
George, Anne	Denton	McCain, Ethel	Denton
Grace, Maude	Nolan	McFarlane, Dorothy	Denton
		McKinney, Eve May	Fayette

Name	County or State	Name	County or State
MacClanahan, Elise	Denton	Shelton, Jewel Alta	Nolan
Magnenat, Ida Dainwood	Denton	Simpson, Mrs. Mary Inge	Denton
Mangum, Billie Jean	Clay	Skiles, Bert	Denton
Manning, E. M.	Denton	Skinner, Edna Louise	Bexar
Miller, Alice Maria	Potter	Slaughter, Edna	Van Zandt
Moore, Mrs. May Davis	Denton	Smith, C. C.	Denton
Morrison, Mrs. Grant A.	Hidalgo	Smith, Greta Eulalie	Denton
Morrison, Isabel	Wallis	Smith, Nina	Shelby
Munson, Ellen	Denton	Spearman, Rosa	Denton
Nind, Marjorie	Denton	Stackhouse, Marjorie Keith	Denton
Nygren, Astrid W.	Denton	Steele, Mary Eloisa	Harris
Owens, Mary	Denton	Stiles, Eline	Denton
Prunty, Lady Bess	Wise	St. Louis, Jennie May	Harris
Purnell, Bennie L.	Denton	Swingle, Edith	Denton
Rees, Ida Gertrude	Denton	Speer, Ruth Allen	Denton
Rhyme, Nona	Denton	Talley, Annabel	Newton
Romberg, Annie	Denton	Totten, Helen	Grayson
Robertson, Harriet Luella	Denton	Trevithick, Gladys	Denton
Sammons, Verna Loyd	Upton	Trewitt, Leila Maye	Denton
Sansing, Beulah Louise	Denton	Turrentine, Mrs. Richard J.	Denton
Sewell, Bessie Mae	Ward	Van Buskirk, Anna	Denton
		Waide, Alice Fay	Denton
		Welch, Lorene	Denton
		Wilson, Fern	Rockwall

SPECIAL STUDENTS

Beasley, Margaret	Denton	McElroy, Sue	Denton
Beasley, Ruby	Denton	Mahard, Margye Alta	Denton
Blewett, Mary Margaret	Denton	Mahler, Theo.	Denton
Boswell, Mrs. R. N.	Denton	Moseley, Mary Sue	Parker
Bulbrook, Helen Lee	Denton	Musgrove, T. N.	Denton
Braly, Palmer	Denton	Norrod, Mary	Denton
Camp, Lelia Mae	Denton	Nowlin, Mrs. Ina Portwood	Collingsworth
Cassaday, Gwendolyn	Bowie	Phillips, Herbert Thomas	New Mexico
Coit, Mrs. J. C.	Denton	Portwood, Mrs. M. L.	Denton
Daugherty, Mrs. M. C.	Denton	Richey, Homer	Denton
Davis, Maude Bennett	Denton	Russell, Mrs. J. H.	Denton
Douglass, Dorothy	Tarrant	Schweer, Catherine	Denton
Egan, Delynn	Denton	Schweer, Mrs. L. H.	Denton
Fowler, Mrs. J. S.	Denton	Schweer, Mrs. H. F.	Denton
Graham, Floyd	Denton	Selz, Mrs. J. Karl	Denton
Hill, Mary Sue	Denton	Sheppard, Jasmine	Denton
Hill, Maybelle	Collin	Simmons, Mrs. J. W.	Denton
Hitt, Grace Frances	Denton	Simmons, Susan Jane	Denton
Jackson, Mrs. R. E.	Denton	Skiles, Burney B.	Denton
Kanouse, Mrs. M. L.	Denton	Smith, Julia	Denton
Kee, Mrs. Robert C.	Denton	Smoot, Elaine	Denton
Kirby, Lela Mae	Denton	Speer, Dorothy	Denton
Kunkel, Martha	Denton	Sullivan, Wilana,	Denton
Lewis, Frances Elliott	Denton	Ubben, Ruth	Denton
Lumley, Nell	Denton	Vivian, Mrs. J. M.	Denton
McCray, Dorothy	Denton	Wilkerson, Alice Adele	Denton
McElroy, Eulah	Denton	Witt, Ada Mae	Denton
		Wright, Lenda	Denton

SUPPLEMENTARY LIST

FRESHMEN

Name	County or State	Name	County or State
Albertson, Elizabeth	Bexar	Lambert, Florence	Jackson
Allen, Isabelle Virginia	Collin	Low, Frances Louise	Grayson
Barton, Bernice Estelle	Falls	Mahan, Hazel	Denton
Bodenheimer, Clara Joyce	Dallas	Morgan, Lelia	Lamar
Bowdoin, Mamie E.	Wood	Myres, Melrose	Dallas
Burgess, Beatrice	Collin	Oates, Laura Frances	Collin
Butler, Ramal	Wilbarger		
Cooke, Catherine	Denton	Rogers, Mary Jane	Shelby
Cooper, Azeal	Hall	Ryall, Janie Belle	Jasper
Cude, Josephine	Bee		
Datson, Gertrude E.	Wichita	Sheppard, Lillian	Denton
Day, Clara May	Hunt	Sullivan, Kathryn Baker	Dimmit
Day, Mary Glyn	Madison	Thomas Thelma	Oklahoma
Hunter, Frances	Childress	Wilkinson, Elise Kent	Harris
Eaton, Faye Jones	Palo Pinto	Wurzbach, Clara	Bexar

SOPHOMORES

Bagwell, Anna Jean	Hopkins	Livingston, Alma Jo	Floyd
Barnes, Leah Vance	Denton	Mahan, Sarah	Cooke
Biggs, Eunice	Austin	Mayes, Mary	Dallas
Biggs, Ruth	Austin	Minton, Eleanor	Harris
Bobbitt, Billie Hester	Hill	Morgan, Hazle	Sabine
Brandt, Ione Mary	Hale	Norton, Eula Kate	Palo Pinto
Buchanan, Birdie	Hardin	Parrish, Beatrice	Hale
Buchanan, Eva	Dallas	Scott, Rosa Mae	Wichita
Collins, Velma Kathryn	Denton	Teddle, Delilah Mae	Erath
Douglas, Juanita	Wichita	Voight, Ruth Evangeline	Denton
Garrett, Irene	Swisher	Ware, Mary Lou	Hill
Hodges, Mary Price	Denton	Warner, Annette	Lamar
Huff, Evia	Comanche	Weyrich, Mildred	Maverick
Karshner, Maxine	Bexar	Williams, Mauline	McLennan
Krenek, Julia Emily	Burleson	York, Jimmie Elizabeth	Van Zandt
Link, Florence Mary	Anderson		
Lipscomb, Addie Mae	Wood		

JUNIORS

Adams, Clyde	Nacogdoches	Hamilton, Kathryn Fae	Dallas
Aikin, Zou	Denton	Kendall, Juliette D.	Harris
Angell, Ursula	Denton	Lindsay, Sadie	Mason
Beaird, Marjorie	Smith	Mirick, Dorice Edwina	Potter
Boykin, Jane Adele	Tarrant	Myers, Wilma	Dallas
Cannon, Lois	Polk	Runyon, Ada	Tarrant
Cawthon, Elnora	Bell	Schweitzer, Hazel	Bexar
Clement, Rubylea	Denton	Scott, Jessie	Bexar
Crawford, Stacia Irene	Parker	Slope, Georgia	Angeline
Crittenden, Erma	Red River	Tracy, Lettie Olean	Harris
Davis, Ernestine	Tarrant	Von Bose, Charlotte	Bexar
Dupre, Margaret	Lubbock		
Hamilton, Frances Morriss	Bexar		

SENIORS

Name	County or State	Name	County or State
Aikin, Lorene	Denton	O'Harrow, Leah	Tom Greene
Barker, Orena	Eastland	Oliver, Sadie C.	Bexar
Blanks, Titia Belle	Denton	Patterson, Margetta	Dallas
Broyles, Elizabeth	Walker	Peavy, Jane	Brown
Bussey, Elsie Irene	Harris	Philp, Corrine	Jefferson
Caswell, Corinne	Jefferson	Pollard, Alline	Lamar
Christopher, Elsie	Nacogdoches	Puckett, Nava	Red River
Davis, Josephine	Grayson	Rous, Irmadele	El Paso
Eubank, Lydia	Brown	Strayhorn, Leona	Scurry
Head, Myrtle	Delta	Stuerner, Evelyn	Fayette
Manning, Mrs. E. M.	Denton	Sullivan, Beryl	Grayson
		Tyson, Pauline	Taylor
		Vaughan, Lela M.	Erath

DEMONSTRATION HIGH SCHOOL STUDENTS

Worley, Helene LouiseWheeler

VOCATIONAL STUDENTS

Bush, Mary Catherine	McLennan	Shumake, Jennie	Howard
Claiborne, Ina Fay	Hardeman	Trigg, Mrs. Chas. W.	Denton
Rhew, Irene	Kleberg		

IRREGULAR STUDENTS

Ard, Mrs. W. A.	Denton	McCluney, Pernecia	Denton
Bourdon, Mrs. Ella J.	Denton	Nickels, Billie	Hunt
Coleman, Mrs. Pearl	Denton	Shaw, Mary Edna	Leon
Davis, Rachel	Denton	Shiel, Mary F.	Louisiana
Holmstrom, V. M.	Denton	Stiles, Mrs. S. E.	Johnson
Lacy, Mattie Lee	Denton		

SPECIAL STUDENTS

Gray, Selma	Denton	Pender, Beulah	Denton
Jones, Bertha Mae	Denton	Rayzor, Eva Catherine	Denton
Magnenat, Ursual Marie	Denton		

SUMMER SESSION

Enrollment

1922

Name	County or State	Name	County or State
Acklin, Pauline	Denton	Boswell, Cara Louise	Red River
Adams, Ruby M.	Denton	Boswell, Era	Red River
Aikin, Mrs Joe D.	Denton	Bowden, Hertha Reaves	Arkansas
Aikin, Lorene	Denton	Bowles, Addie Bob	Denton
Aikin, Zou	Denton	Boyce, Katie E.	Karnes
Aldridge, Thelma	Montague	Boyce, Ray	Karnes
Aldridge, Thelma Lee	Hill	Boyd, Audria Rosalia	Denton
Ammons, G. M.	Brazos	Bradford, Freddie	Midland
Ammons, Mrs. G. M.	Brazos	Boyd, Eleanor Constance	Denton
Anderson, Lurline M.	Midland	Braly, Frances	Hunt
Anderson, Minta	Guadalupe	Braly, Pauline	Anderson
Anderson, Thelma B.	Midland	Brandenberger, Mary E.	Denton
Andrews, Kate	Bexar	Bray, Thalma Iona	Palo Pinto
Ashworth, Helen B.	Victoria	Brennan, Marguerite	Milam
Ashworth, Mary Bickford	Victoria	Brenner, Madeline	Gonzales
Austin, Lucile Watkins	Lamar	Brent, Gertrude	Dallas
Aycock, Minta	Midland	Bridges, Martha	Tarrant
Babb, Olive	Leon	Bright, Hattie Ruth	Sabine
Baird, Johnnie Lois	Denton	Briggs, Willie May	Rockwall
Baird, Runette	Denton	Brinkmann, Hertha	Kendall
Baker, Hattie Mae	Louisiana	Brockman, Kathryn	Denton
Ball, Zella Jane	Johnson	Brown, Mrs. Chas.	Denton
Banks, Marie	Denton	Brown, Edna Earl	Robertson
Barcus, Annie Edwards	Denton	Brown, Gertrude	Wichita
Barentine, Josie	Cooke	Brown, Mattie A.	Denton
Barker, Burch	Wise	Brown, Maude E.	Smith
Barker, Dula Lee	McLennan	Brown, Vernon	Robertson
Barker, Gertrude	Arkansas	Broyles, Elizabeth	Walker
Barnes, Leah Vance	Denton	Brumit, Margaret	Fannin
Barnes, Mattie Irene	Denton	Bryant, Mrs. J. R.	Jack
Barnett, Annie Laurie	Hunt	Buchanan, Maida	Parker
Barnett, Bess	Hunt	Bugg, Mary Beth	Limestone
Barnett, Hazel	Grayson	Burgoon, Hernia	Denton
Barron, Edna	Houston	Burkhead, Marguerite	Ellis
Bass, Mrs. Louise	Grayson	Bush, Bonnie	Hill
Beard, Marjorie	Smith	Bussey, Elsie	Harris
Beall, Alma Jane	Coryell	Butler, Mary Loucille	Denton
Beard, Peggy	Van Zandt	Butler, Marguerite	Denton
Beavers, Hailie	Denton	Buttrill, Gladys	Lampasas
Beck, Ailene	Hansford	Buttrill Martha	Lampasas
Beck, Annie Amy	Hansford	Cabaniss, Idabel	Lamar
Becker, Ruth	Denton	Cailliet, Shirley	Dallas
Behrns, Lilia	Knox	Callaghan, Jewell	Bastrop
Bickley, Minnie	Sabine	Campbell, Elfie	Palo Pinto
Bigham, Virginia	Bell	Cannon, Aileen	Smith
Bishop, Willie	Stephens	Cannon, Lois	Polk
Blackmon, Minnie	Brown	Cantrell Clara L.	Palo Pinto
Blackmon, Suezelle	Tarrant	Cantrell, Rosa Lee	Clay
Blair, Estelle	Denton	Carroll, Eunice L.	Eastland
Blair, Hattie L.	Denton	Carroll, Ruth	Jefferson
Blake, Medora V.	Wilson	Carter, Loretta	Palo Pinto
Blanch, Willie	Jefferson	Carter, Mary Elizabeth	Palo Pinto
Blankenship, Gladys	Coryell	Chism, Clive	Harmon
Blanks, Titia Belle	Denton	Clark, Adelle	Collin
Bledsoe, Alice	Lubbock	Claunch, Allie	Hamilton
Blewett, Mrs. Leona	Denton	Clemmer, Fay L.	Callahan
Bobbitt, Billie Hester	Hill	Cliff, Annie Maude	Dimmit
Bobo, Betty S.	Kaufman	Cobb, Mrs. Frances	Denton
Bond, Frances V.	Hardin	Coffey, Frances Nell	Hopkins
Boswell, Bird	Denton	Coffey, Margaret	Hopkins

Name	County or State	Name	County or State
Cole, Mrs. J. H.	Denton	Esterak, Ethel	Bastrop
Collins, Anabel	Trinity	Evans, Mary Newton	Wood
Collins, Mrs. J. B.	Harris	Evans, Mary R.	Brown
Conner, Addie Mae	Houston	Evers, Elma E.	Hill
Conway, Florence	Brazos	Ewing, Oline	Fannin
Cook, Bonnie Lee	Cottle	Farmer, Flossie	Dallas
Cook, Mrs. Ora	Tarrant	Ferguson, Lilly	Bastrop
Cook, Wilton W.	Ellis	Fertitta, Marguerite C.	Jefferson
Cooper, Bertha	Liberty	Finks, Mrs. Jessie E.	Tarrant
Cornell, Charlotte	Galveston	Fisher, Cora	Kimble
Cowan, Lena Tot	San Saba	Fisher, Lucile	Austin
Cox, Minnie Maude	Hill	Fitzgerald, Ara Dell	Denton
Cox, Viva	Dallas	Fitzgerald, Mrs. J. E.	Denton
Coyle, Virginia	Midland	Fitzgerald, Mary Earle	Jefferson
Craddock, Ruth	Denton	Fleming, Kate Grant	Camp
Craig, Clara Mabel	Hale	Fleming, Mary K.	Camp
Craig, Mrs. E. P.	Denton	Floyd, Hazel	Denton
Craver, Dixie	Wood	Floyd, Lois May	Hood
Craver, Ola	Wood	Force, Edith R.	Denton
Crawford, Mrs. J. S.	Denton	Ford, Exa Lee	Kaufman
Criddle, Mrs. E. D.	Denton	Ford, Robert Forest	Denton
Crigger, Nadine	Collin	Poster, Adina	Dallas
Crosby, Exah	Ellis	Poster, Loressie L.	Denton
Crowder, Delila	Denton	Poster, May	McLennan
Crowell, Bonnie L.	Rockwell	Foust, Mozette	Limestone
Cruse, Mary Elizabeth	Tyler	Fox, Mary	Rusk
Crush, Chowning	Dallas	Francis, Helen	Denton
Crutchfield, Ivy	Hopkins	Francis, Vada	Hunt
Currie, Margaret E.	Midland	Franklin, Ione Ruth	Bexar
Dailey, Margaret	Denton	Frazer, Ina L.	Harris
Daniel, Lois	Nacogdoches	Frazer, Mamie Libby	Panola
Davis, Hassie	Collin	Frazier, Thelma	Collin
Davis, Elfred	Cherokee	Fuchs, Emma	Cook
Davis, Helen M.	Brazoria	Fuller, Ruby	Tyler
Davis, Tempa	Hamilton	Gaines, Evelyn	Red River
Davis, Mrs. Viola M.	Denton	Galloway, Clover	Stonewall
Dean, Ruth	Denton	Garrett, Elma L.	Camp
Denton, Edith	Lamar	Garrett, Emma Louise	Camp
Denton, Mabel	Collin	Gauntt, Eunice	Haskell
Dewess, Myrtle	Waller	Gernsbacher, Francis	Parker
Dial, Myrtle	Grayson	Gervers, Beatrice Bernice	Lamar
Dickinson, Kathryn	Rusk	Gibbons, Marion	Dallas
Dietert, Helen L.	Kerr	Gibson, Olga	Nacogdoches
Disch, Alexina J.	Louisiana	Gilbert, Elizabeth	Harris
Dodd, Serena	Red River	Givens, Lucy Abi	Dallas
Drummond, Daisy Marie	Dallas	Glasscock, Nannie May	Johnson
Drummond, Josie	Ellis	Golightly, Nellie	Dallas
Dry, Lorena	Taylor	Gonzales, Kathleen	Bexar
Dry, Loyce	Taylor	Goodrich, Evelyn	Titus
Du Bois, Helen Yantis	Clay	Goodson, Eunice May	Arkansas
Durbin, Mrs. W. E.	Denton	Goodson, Nell	Denton
Dutton, Charity	Missouri	Goodwin, Helen Wilson	Jones
Early, Mary Virginia	Delta	Graham, Esta Willine	Denton
Easley, Onie B.	Denton	Grant, Mrs. Alfred	Denton
Eberle, Elizabeth	Bexar	Graves, Marjorie	Tarrant
Echols, Coralee	Grayson	Gray, Mrs. J. W.	Denton
Edington, Gabriella	Fisher	Grigsby, Sarah	Dallas
Edington, Maggie	Fisher	Grisier, Lucile	Michigan
Edwards, Lillian Mae	Hardin	Haggood, Dorothy	Bexar
Edwards, Virginia Lee	Denton	Hale, Dosca	Rusk
Egg, Luella	DeWitt	Haley, Cora Mae	Midland
Eldridge, Hattie	Foard	Hall, Erma	Denton
Ellington, Gladys	Dallas	Hallam, Margaret	Tarrant
Ellzey, Mary	Denton	Halsell, Ruth	Dallas
Emmons, Glenna	Bexar	Hamilton, Murle	Shelby
Enderby, Lillian	Cooke	Hammer, Hazel Ione	Hill
Erwin, Mrs. J. W.	Denton		

Name	County or State	Name	County or State
Hammond, Mae	Tarrant	Jones, Mrs. C. F.	Denton
Hammons, Lillian	Louisiana	Jones, Dottie Dimple	Denton
Hampton, Willie	Archer	Jones, Floy Hallie	Ellis
Hannabass, Miriam K.	Borden	Jones, Lucy Belle	Red River
Haren, Naoma	Denton	Jones, Riette	Dallas
Haralson, Jessie	Hood	Jones, Ruby	Limestone
Haren, Stella Pearl	Denton		
Harkrider, Gertrude	Harrison	Kay, Marie	Denton
Harmon, Effie	Dallas	Kee, Mrs. Robert C.	Denton
Harris, Calhoun	Denton	Keeble, Willie	Kaufman
Harris, Clara Millie	Fannin	Kelly, Ella McMurray	Denton
Harris, Justine	Denton	Kendall, Juliette D.	Harris
Harrison, Daisy	Anderson	Kent, Arrie Della	Palo Pinto
Hart, Santa	Denton	Kennedy, Allie Rube	Van Zandt
Hartsell, Emma	Wise	Kerley, Edythe	Denton
Harty, Luna	Young	Kerley, Ollie	Denton
Harty Ora	Young	Kermickel, Jean	Tarrant
Haynes, Hazle	Upshur	Kerr, Rachel	Angelena
Hays, Agnes	Coleman	Key, Eula	Stephens
Head, Emma	Delta	Kiber, Emma	Navarro
Head, Myrtle	Delta	Killingsworth, Bertha	Harris
Heald, Velma	Jones	Kimbrough, Mrs. W. C.	Denton
Hennen, Lorene	Denton	King, Sybil L.	Upshur
Henry, Marie E.	Floyd	Kinard, Sammie	Hill
Henry, Paula	Travis	Klutts, Martha	Kaufman
Hensley, Blanche	Grimes	Knolle, Ruby Maude	Fayette
Hensley, Eleanor	Grimes	Kunkel, Martha	Denton
Herbert, Louise	Denton		
Herbert, Willie H.	Denton	Labit, Pauline	Galveston
Hicks, Ella Faye	San Augustine	Lacy, Elizabeth Golden	Denton
Hicks, Layuna	Denton	Lain, Adele	Johnson
Hightower, Dorothy	Grayson	Lain, Nadine	Johnson
Hill, Zola Mae	Fannin	LaLonde, Virginia	Denton
Hills, Lora Belle	Haskell	Lambert, Lavonia	Jackson
Hodges, Mary Price	Denton	Land, Mrs. Maude	Denton
Hoffman, Mrs. C. F.	Denton	Laney, Mrs. Roe	Denton
Hoffman, Mrs. G. H.	Tarrant	Lansford, Georgia	Childress
Hogan, Inice	Nacogdoches	LaPrade, Lois Addie	Titus
Holden, Enie Grace	Stonewall	Latimer, Anne	Houston
Holloway, Essie	Denton	Lawson, Viona	Brown
Holloway, Lola	Denton	Leifeste, Alice	Denton
Holt, Kennie Dazey	Denton	LeMaire, Johnnie	Orange
Holton, Lecta	Shelby	Leverett, Viola	Tarrant
Hook, Lucyle	Hardeman	Lewis, Valentine M.	Cooke
Horton, Edna Viola	Collin	Lilly, Robbie	Medina
Horton, Helen	Denton	Lindsay, Sadie	Mason
Houser, Lenna	Denton	Link, Florence	Anderson
Houston, Maggie	Cherokee	Lipscomb, Anne	Hidalgo
Hoy, Josephine	Denton	Lipscomb, Mrs. P.	Denton
Hudzietz, Dorthie	Johnson	Little, Zola	Erath
Hughes, Opal	Childress	Livingston, Alma	Floyd
Humphries, Corin	Reeves	Lokey, Beadie	Lubbock
Humphries, Lillian	Denton	Lokey, Mattie	Lubbock
Hunt, Mabel Clair	Anderson	Lolley, Frances	Denton
Hunter, Laura Grace	Armstrong	Lomax, Elizabeth	Denton
		Loveless, Mary	Denton
Inman, Ruth Louise	Midland	Loy, Mabel	Nacogdoches
		Lurnley, Nell	Denton
Jackson, Mrs. Brent	Denton	Lyle, Addie Willie	Jefferson
Jacobs, Esma	Hunt	Lynch, Lola	Denton
Jago, Mary E.	Denton	Lyon, Elizabeth	Denton
James, Esther	Callahan	Lyons, Nannie	Fannin
Jefferies, Rachel	Lamar		
Jenkins, Vada	Hill	Mahler, Theo.	Bell
Jenson, Alice	Bosque	Mangum, Grover, C.	Shelby
Johns, Thelma	Montague	Manning, Mrs. E. M.	Denton
Johnson, Effie Alma	Motley	Maris, Berta	Collin
Johnson, Elizabeth B.	Bexar	Marshall, Ellen	Hunt
Johnson, Verna	Eastland	Marshall, Opal	Bell

Name	County or State	Name	County or State
Martin, Ethel	Madison	Norris, Nell	Hunt
Martin, Mrs. M. L.	Denton	Norris, Ruth	Hunt
Martin, Minnie Mae	Denton	Norton, Eula Kate	Palo Pinto
Mason, Ima	San Augustine	Nowlin, Mrs. T. N.	Denota
Matthies, Lillie Marie	Guadalupe	Nussbaum, Bernice	Navarro
Matthews, Pearle	Dallas		
Maxwell, Agnes	Travis	Odom, Minnie Lee	Jefferson
Maxwell, Anna L.	Travis	O'Harrow, Leah	Tom Green
Maxwell, Louise	Travis	Oliver, Nellie	San Saba
May, Mrs. R. T.	Denton	Oliver, Myrtle	Hill
Mead, Katie Lee	Hill	Oliver, Sadie C.	Bexar
Melvin, Josephine	Cherokee	Olson, Anna Marie	Bosque
Menefee, Gladney	Angelina	Onderdonk, Estelle	Victoria
Michelson, Ruth	Gonzales	Onstatt, Lynette	Hill
Michie, Pearl	Kaufman	Orr, Mrs. Addie B.	Denton
Miller, Annie E.	Denton		
Miller, Mrs. C. C.	Clay	Palmer, Alden L.	Bowie
Miller, Mrs. C. E.	Denton	Palmer, Mattie Lee	Scurry
Miller, Marian M.	Cameron	Parham, Alice	Coryell
Miller, Mrs. Walter S.	Denton	Park, Mary	Grayson
Millican, Mrs. E. G.	Denton	Parker, Katie George	Hamilton
Minter, Grace	Denton	Parks, Helen Kerr	Brazos
Mistrot, Mary Louise	Grimes	Parnell, Mrs. Fred W.	Palo Pinto
Mitchell, Eugenia	Denton	Partlow, Helen V.	Denton
Mobley, Alma Floyd	Hill	Patterson, Johnnie Lee	Kaufman
Monroe, Mary Lillian	Montague	Peavy, Janie	Brown
Montford, Lalla R.	Wise	Peek, Ruby	Lubbock
Montford, Sara Virginia	Wise	Peeples, Nina	Rains
Moore, Margaret	Lampasas	Perdue, Mary Anna	Denton
Moore, Benedette	Dallas	Pettigrew, Eloise	Van Zandt
Moore, Mrs. W. D.	Denton	Phipps, Bernice	Falls
Morris, Edith	McCulloch	Piner, Ouida	Bowie
Morrison, Opal Ray	Denton	Pinney, Addine	Tarrant
Moseley, Eva	Van Zandt	Poage, Altha Iris	Irion
Mountain, Mary Alice	Denton	Pollard, Alline	Lamar
Murphree, Margaret	Titus	Poole, Christal	Denton
Murray, Helen	Denton	Porter, Dorothy	Morris
Myers, Bess Ruth	Dallas	Porter, Marianna	Kaufman
Myers, Wilma Elaine	Dallas	Porterfield, Velma	Hardeman
		Posey, Ruth	Cherokee
McCage, Martha	Navarro	Powell, Mary	Zavala
McCartney, Pat	Ellis	Pratt, Mrs. G. E.	Denton
McClendon, Nina	Trinity	Preston, Cinnie	Marion
McClurg, Charlse	Grayson	Price, Ruth	Jefferson
McCollum, Mary Lou	Coryell	Puckett, Nava	Red River
McCormick, Fannie	Denton		
McCormick, Ruth Ella	Dawson	Rainey, Hazel	Tarrant
McCray, Dorothy	Denton	Ramey, Jessie Pauline	Denton
McGlasson, Ona B.	Denton	Ramsey, Lurline	Callahan
McGuire, Bettie	Denton	Ramsey, Pauline	Dickens
McInerney, Dorris	Denton	Randall, Allie	Wilbarger
McKee, Beryl	Shelby	Randal, Jessie	Guadalupe
McKee, Raye	Shelby	Rawlings, Lucy	Coke
McKenney, Ruby	Denton	Rayford, Ray	Rusk
McLane, Nellie	Denton	Reaves, Gay	Denton
McLeod, Katherine	Van Zandt	Reed, Mrs. Joe E.	Denton
McMillan, Bennis	Dallas	Reitch, Mrs. C. A.	Wood
McMurray, Helen	Lamar	Revel, Alvina L.	Galveston
McNeill, Imogene	Denton	Revel, Else	Galveston
McNeill, Johnnie Lewis	Denton	Rhyne, Nona S.	Denton
		Rice, Mrs. Elizabeth	Denton
Naugle, Blanche	Denton	Richardson, Moselle	Rusk
Naugle, Jennie Ruth	Denton	Rister, Agnes	Taylor
Neill, Zola	Henderson	Richey, Leah	Denton
Newton, Lois	Fannin	Roberts, Irma Gaye	Denton
Nolen, Inez	Smith	Roberts, L. Jewell	Red River
Norman, Lallah R.	Rockwall	Roberts, Mima	Denton
Norman, Ruth	Rockwall	Rogers, Fay	Hall
Norman, Thelma	Rockwall	Rohde, Samar	Galveston

Name	County or State	Name	County or State
Rhode, Sepha	Galveston	Strayhorn, Mary Inez	Scurry
Romane, Mary	Lampasas	Strickland, Mabel	Dallas
Roop, Virginia	Denton	Stroman, Anna	Palo Pinto
Rowan, Alta M.	Denton	Sudderth, Kathleen	Fannin
Rowan, Helen	Denton	Suggs, Mary E.	Tarrant
Ruble, Mildred	Fannin	Sullivan, Beryl	Grayson
Runyan, Ada E.	Tarrant	Sullivan, Mrs. J. W.	Denton
Runyan, Marion	Tarrant	Suttle, Thelma	Comal
Rupe, Louise J.	Bexar	Sutton, Anna Mae	Denton
Russell, Lucille	Johnson	Sutton, Mary Lois	Denton
		Swilley, Myrtle	Harris
		Swingle, Cora	Denton
Sansing, Beaulah Lorraine	Denton		
Sapp, Eleanor	Falls	Tanner, Mary Douglass	Denton
Sargent, Margaret	Denton	Teel, Ruth	Denton
Series, Mrs. Della	Tarrant	Terrell, Pauline	Callahan
Schnably, Margaret	Denton	Terry, Florence	Denton
Schweer, Mrs. H. F.	Denton	Tevis, Mary Kathryn	Denton
Schweer, Mrs. L. H.	Denton	Tharp, Laura	Coryell
Scott, Dorothy	Grayson	Thomas, Pearl	Wichita
Scruggs, Willie	McLennan	Thomas, Virginia	Presidio
Seago, Anna Dickinson	Upshur	Thompson, Florence A.	Medina
Seale, Bess	Karnes	Thompson, Ilene	Hardeman
Self, Bernice	Fannin	Thorp, Minnie	Dallas
Sewell, Alma	Denton	Tobin, Faye Inez	Denton
Sewall, Margaret	Louisiana	Tomkins, Cecelia	Denton
Shelton, Jewel	Nolan	Tompkins, Blanche	Knox
Shepard, Gladys	Hunt	Tracy, Lettie O.	Harris
Sheppard, Lorene	Denton	Trammell, Bula	Denton
Shirley, Margaret	Dallas	Trewitt, Beatrice	Denton
Shirley, Buena	Garza	Trewitt, Leila Mae	Denton
Shirley, Edith	Ellis	Tripp, Mrs. C. A.	Denton
Simang, Charlotte	Bexar	Trussell, Mamie Jewel	Wise
Simmons, Mrs. J. W.	Denton	Tucker, Josephine W.	Parker
Simms, Kate	Denton	Tucker, Lewis Mabel	Denton
Simpson, Merle	Anderson	Tuggle, Dorris Irene	Cameron
Sinclair, Marguerite	Denton	Turrentine, Mrs. R. J.	Denton
Sitton, Mary Anna	Nacogdoches	Tyson, Pauline	Taylor
Skelton, Nellie	Montague		
Skiles, Viva Beatrice	Denton	Varner, Katherine	Denton
Skinner, Malvina	Runnels	Vaughan, Lela M.	Comanche
Skinner, Lousue Ruth	Runnels	Von Bose, Charlotte	Bexar
Skinner, Malvina	Runels		
Sledge, Effie Lee	Denton	Wade, Alma Marie	Denton
Sloan, Roberta	Grayson	Wade, Wilma Louise	Denton
Slone, Georgia	Angelina	Walker, Mary D.	Smith
Slone, Ora	Angelina	Wallace, Alva Dey	Hill
Slover, Eva Rebecca	Wise	Warren, Opal	Smith
Smith, Bernice	Hamilton	Watkins, Kate	Tarrant
Smith, Beulah Rollins	Hunt	Watterson, Stella	Bastrop
Smith, Blanche	Jefferson	Webster, Lillie	Denton
Smith, C. C.	Denton	Wellborn, Mrs. Sydna F.	Ellis
Smith, Elizabeth	Louisiana	Whatley, Homerette	Denton
Smith, Geneva	Denton	Wheelock, Margaret	Denton
Smith, W. Lucile	Grimes	Whitlock, Mrs. M. B.	Denton
Smith, Mrs. Willie C.	Denton	White, Bertha Mae	Bowie
Spell, Marguerite	Johnson	Wiest, Christine	Grayson
Spencer, Anne	Denton	Wiest, Emma	Grayson
Spivey, Cordelia	Fannin	Wiest, Rachael	Grayson
Sprain, Minnie	Bell	Wight, Inez	Ector
Springer, Mary Cora	Rockwall	Wilbanks, Grace	Johnson
Steele, Mary Eloise	Harris	Wilcoxson, Laura	Denton
Stevenson, Helen	Mitchell	Wiley, Margaret Lee	Denton
Stewart, Jewel Beatric	Wise	Wilkins, Mrs. Junius F.	Denton
St. Louis, Jennie May	Harris	Wilkins, Naomi Lee	Fannin
Storey, Mary M.	Red River	Wilkinson, Mae Lu	Navarro
Stover, Elizabeth	Knox	Williams, Catherine Opal	Collins
Strayhorn, Eva	Scurry	Williams, Emma	Payne
Strayhorn, Leona	Scurry		
Strayhorn, Lucille	Scurry		

Name	County or State	Name	or State or State
Williams, Eloise	Anderson	Wolfe, Alma Lee	Bee
Williams, Floe	Sterling	Wolfenberger, Ina	Parker
Williams, Lera	Denton	Womack, Oradelle	Cass
Williams, Lillie B.	Midland	Womack, Vivian	Lamar
Williams, Opal Burnita	Palo Pinto	Wood, Elizabeth	Young
Williamson, Irene	Hood	Worley, Kathleen	Montague
Williford, Claryce	Denton	Wright, Frances	Denton
Willingham, Dera	Smith	Wulfjen, Louise	Denton
Willson, Vida	Polk	Wynne, Mary Argyle	Dallam
Wilson, Mrs. A. M.	Denton	Yancey, Eloise	Denton
Wilson, Clara Belle	Fannin	Yates, Bessie Louise	Fisher
Wilson, Fern	Rockwall	Young, Hallie C.	Lamar
Wilson, Mildred B.	Johnson	Young, Ivie Jane	Trinity
Wilson, Nora	Denton	Young, Marguerite	Cameron
Wilson, Vinnie A.	Johnson	Young, Rosalie	Denton
Wingfield, Lucile	Bell	Zuehl, Wilhelmina	Kinney
Witte, Edna	McLennan		

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BLANK A
Application for Room and Board

Date.....192.....

To the Registrar, College of Industrial Arts, Denton, Texas.

Dear Sir: Since I expect to enroll as a student in the College of Industrial Arts at the opening of the next regular session, September 17, 1923, I hereby make application for rooming and boarding accommodations. It is understood that I am to be assigned to the best available room at the time my application is received by the College. As nearly as possible, I should like a room in

*.....Brackenridge Hall	.....Smith-Carroll Hall
.....Capps Hall	.....Oakland Hall
.....Lowry Hall	.....Stoddard Hall

If all dormitory rooms are taken, I am to be assigned the best available room in a convenient, satisfactory, approved private home at the time my application is received at the College; and, further, as vacancies may occur in the State dormitory rooms, I am to be assigned to a room in the order of my application—that is, my name is to be placed on the waiting list for a dormitory room in the order in which my application is received at the College.

I desire to room with.....
of....., Texas. I am.....years
of age, and expect to enter the.....Class. The last
school I attended was the.....School
at....., Texas, in 19....., where I was in the
.....class (grade). I ^{withdrew}
^{graduated} from the.....
High School at.....Texas, in 19.....
My parents' names are:
Father (or guardian).....

Address.....

Mother.....

Address.....

I have read the plan for the assignment of rooms in the dormitories, page 214, and the Standards of Conduct applicable to All Students, page 217, and I hereby agree to comply with them in every respect.

**Enclosed find assurance fee of \$5.00 (send postoffice or express money order, check, or cash if registered) to apply on my account according to the terms stated in the plan for assignment of rooms in the dormitories.

Respectfully yours,

Name.....

Address.....

*Indicate numerically the order of your dormitory preference by inserting figures in the blanks preceding the names of the dormitories.

**An assurance fee is not refunded unless a refund is requested on or before August 1 of the scholastic year in which the assurance fee was paid.

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(Use Blank B-1 in applying for admission to Freshman or College Vocational Class; Blank B-2 to Demonstration High School; Blank B-3 to Vocational courses. Use only one of the three forms.)

BLANK B-1

APPLICATION FOR ADMISSION TO THE FRESHMAN OR COLLEGE VOCATIONAL CLASS, COLLEGE OF INDUSTRIAL ARTS.

Last name of applicant	Other full names, not initials	Month and year of birth	Post Office Address
Street address		Name of School	

NOTE

1. The certificate should be filled out by the Superintendent or Principal or other authorized officer of the school. Date of birth may be inserted by student.

2. In order to avoid any misunderstanding or embarrassment as to entrance credits and in order to avoid unnecessary delay and save valuable time, both for applicant and the College, this blank properly filled out, should be forwarded to the Registrar, College of Industrial Arts, Denton, Texas, immediately after decision to enter the College has been made. When it is received at the Registrar's office, it will be checked at once and a definite statement of classification will be sent to the applicant. It is unnecessary to either bring or send a high school diploma.

3. For unconditional admission to the Freshman class, fifteen units (ten prescribed and five elective) must be offered. For conditional admission, at least thirteen units (eight prescribed, including three in English, and five elective) must be offered. Applicants over twenty-one years of age may be admitted by the Dean on Individual Approval.

For entrance requirements, see Bulletin 104.

CERTIFICATE

THIS IS TO CERTIFY:

1. That _____ is of good moral character.
2. That she attended the _____ High School for at least one full session.
3. That she ^{withdrew} _{was graduated} on the _____ day of _____ 19____.
4. That she is recommended as able to carry forward college studies on the basis of her work done in this school as shown on the following page.

Signed _____, _____ 192____
Superintendent or Principal

Note: The information asked for in this blank is substantially the same as the information asked for in the "Uniform Texas College Entrance Certificate."

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SUBJECT	Whole No. of Periods	No. of Min. in Each Period	Grade of Work	SUBJECT	Whole No. of Periods	No. of Min. in Each Period	Grade of Work
ENGLISH: 3 or 4 units . . First year				HISTORY: American . . . ½ to 1 unit			
Second year				Ancient 1 unit			
Third year				English ½ to 1 unit			
Fourth year				Mediæval & Mod. . . . 1 unit			
FRENCH: 2, 3 or 4 units . First year				Civics ½ to 1 unit			
Second year				HYG. AND HOME NURS. . . ½ unit			
Third year				MATHEMATICS: Arith. Adv. . ½ unit			
Fourth year				Arith. Com. ½ unit			
GERMAN: 2, 3 or 4 units . First year				Algebra 1 to 2 units			
Second year				Plane Geom. 1 unit			
Third year				Solid Geom. ½ unit			
Fourth year				Trigonometry ½ unit			
LATIN: 2, 3 or 4 units . . First year				MUSIC: 1 to 4 units			
Second year				OCCUPATIONS ½ unit			
Third year				PSYCHOLOGY ½ unit			
Fourth year				PUBLIC SPEAKING . . . ½ to 1 unit			
SPANISH: 2, 3 or 4 units . First year				SCHOOL MANAGEMENT . . ½ unit			
Second year				SCIENCE: Biology 1 unit			
Third year				Botany 1 unit			
Fourth year				Chemistry 1 unit			
AGRICULTURE, General ½ to 1 unit				General Sci. 1 unit			
AGRICULTURE, Vocational 1 to 3 units				Physics 1 unit			
BOOKKEEPING 1 to 1½ units				Physiography ½ unit			
COM. GEOG. ½ unit				Physiology ½ to 1 unit			
COM. LAW ½ unit				Zoology 1 unit			
DESIGN 1½ to 1 unit				SHOP WORK ½ to 4 units			
DOMESTIC ART ½ to 2 units				SOCIOLOGY ½ unit			
DOMESTIC SCIENCE . . ½ to 2 units				Stenography and Typewriting 1 to 2 units			
DRAWING MECHAN. . . ½ to 4 units				TYPEWRITING ½ unit			
ECONOMICS ½ unit							

College entrance examinations are held at the opening of the fall, winter, and summer quarters. A student who desires one unit by examination in Agriculture, Domestic Science, Domestic Art, or any of the natural sciences shall present a certified notebook indicating satisfactory laboratory work.

(Use Blank B-1 in applying for admission to Freshman or College Vocational Class; Blank B-2 to Demonstration High School; Blank B-3 to Vocational courses. Use only one of the three forms.)

BLANK B-2

APPLICATION FOR ADMISSION TO THE DEMONSTRATION HIGH SCHOOL, COLLEGE OF INDUSTRIAL ARTS.

Last name of applicant

Other full names, not initials

Month and year of birth

Post Office Address

Street address

Name of School

DEMONSTRATION HIGH SCHOOL

In order to meet the demand made upon the College in the training and supplying of high school teachers, the College accepts in its Demonstration High School pupils who do not meet college entrance requirements. Classes in the Demonstration High School are taught by senior students, under competent supervision. In considering applications for admission to the Demonstration High School, preference is given to students who do not have affiliated high schools in their home communities.

There are many high schools in Texas situated in smaller towns and villages and in the rural sections of the State, which are able to offer three years only of approved high school work. These schools rarely ever offer courses in Home Economics or in other Vocational and Industrial subjects. To the girls coming from these schools, the Demonstration High School offers a means of more advanced study, which will better prepare them for their life work or for admission to courses of college rank.

REQUIREMENTS FOR ADMISSION

An applicant for admission to the Demonstration High School must have attained the age of sixteen years and must be of good moral character. She should make application to the Registrar as early as possible before the opening of the first, fall quarter of the year.

In order to be eligible for admission to the Demonstration High School, a student must offer satisfactory evidence that she has successfully completed at least three years of high school work, or its equivalent, and that she should be able to complete in one year, the requirements for graduation from a standard four-year school, so as to meet at the end of one year, the admission requirements to the College. A student desiring to be admitted to the Demonstration High School, upon her high school record, should have the blank on the other side of this sheet, filled out by her Superintendent or high school Principal or other proper authority, and file it with the Registrar in advance of entrance. Early attention to this matter will save the applicant much embarrassment and delay at the opening of the session. Arrangements should always be made in advance of entrance, as preference will be given in the order of the date of application. No entrance examinations will be given for admission to the Demonstration High School, since applicants are admitted on individual approval.

SUBJECTS OFFERED

Pupils in the Demonstration High School are classified by the Director of the Demonstration High School, and are placed in four or five of the following subjects: English, American History and Government, Mathematics, Physics, Chemistry, Spanish, Latin, Home Economics, Applied Arts, and Physical Training. By special permission, Demonstration High School pupils may take private lessons in Reading (Expression) and in either instrumental or vocal music. Such lessons, however, do not absolve admission requirements to the College.

A pupil in the Demonstration High School is not permitted to carry work of college rank.

CERTIFICATE

THIS IS TO CERTIFY:

1. That is of good moral character.
2. That she attended the High School for at least one full session.
3. That she ^{withdrew}_{was graduated} on the day of, 19.....

Signed 19.....
Superintendent or Principal.

Note: The information asked for in this blank is substantially the same as the information asked for in the "Uniform Texas College Entrance Certificate."

SUBJECT	Whole No. of Periods	No. of Min. in Each Period	Grade of Work	SUBJECT	Whole No. of Periods	No. of Min. in Each Period	Grade of Work
ENGLISH: 3 or 4 units . . First year				HISTORY: American . . . ½ to 1 unit			
Second year				Ancient 1 unit			
Third year				English ½ to 1 unit			
Fourth year				Mediaeval & Mod. . . . 1 unit			
FRENCH: 2, 3 or 4 units . First year				Civics ½ to 1 unit			
Second year				HYG. AND HOME NURS. . . ½ unit			
Third year				MATHEMATICS: Arith. Adv. . ½ unit			
Fourth year				Arith. Com. ½ unit			
GERMAN: 2, 3 or 4 units . First year				Algebra 1 to 2 units			
Second year				Plane Geom. 1 unit			
Third year				Solid Geom. ½ unit			
Fourth year				Trigonometry ½ unit			
LATIN: 2, 3 or 4 units . . First year				MUSIC: 1 to 4 units			
Second year				OCCUPATIONS ½ unit			
Third year				PSYCHOLOGY ½ unit			
Fourth year				PUBLIC SPEAKING . . . ½ to 1 unit			
SPANISH: 2, 3 or 4 units . First year				SCHOOL MANAGEMENT . . ½ unit			
Second year				SCIENCE: Biology 1 unit			
Third year				Botany 1 unit			
Fourth year				Chemistry 1 unit			
AGRICULTURE, General . . ½ to 1 unit				General Sci. 1 unit			
AGRICULTURE, Vocational 1 to 3 units				Physics 1 unit			
BOOKKEEPING 1 to 1½ units				Physiography ½ unit			
COM. GEOG. ½ unit				Physiology ½ to 1 unit			
COM. LAW ½ unit				Zoology 1 unit			
DESIGN 1½ to 1 unit				SHOP WORK ½ to 4 units			
DOMESTIC ART ½ to 2 units				SOCIOLOGY ½ unit			
DOMESTIC SCIENCE . . ½ to 2 units				Stenography and Typewriting 1 to 2 units			
DRAWING MECHAN. . . ½ to 4 units				TYPEWRITING ½ unit			
ECONOMICS ½ unit							

College entrance examinations are held at the opening of the fall, winter, and summer quarters. A student who desires one unit by examination in Agriculture, Domestic Science, Domestic Art, or any of the natural sciences shall present a certified notebook indicating satisfactory laboratory work.

CUT OFF HERE

(Use Blank B-1 in applying for admission to Freshman or College Vocational Class; Blank B-2 to Demonstration High School; Blank B-3 to Vocational courses. Use only one of the three forms.)

BLANK B—3

APPLICATION FOR ADMISSION TO VOCATIONAL COURSES
COLLEGE OF INDUSTRIAL ARTS

Before filling out this blank, the applicant should read carefully, the explanation on the opposite page. It is required that this blank be filled out in the handwriting of applicant.

.....
Last name of applicant

.....
Other full names, not initials

.....
Month and year of birth

.....
Place of birth

.....
Post Office

.....
Street address

1. The last school I attended was at
Name of place

in , where I was in and was pursuing the following studies:
Year Grade

2. Since leaving school, my time has been employed as follows:.....
.....

3. I desire to take the.....Group, mentioned on opposite page. My purpose in taking this group is

4. I am ☐ dependent ☐ not dependent upon my own resources for support.

5. The certificate below should be filled out and signed by a teacher or other reputable citizen, personally known to the applicant.

I hereby certify that Miss.....
is of good moral character and that she has correctly and truthfully given the information called for above.

.....
Name of person signing certificate

.....
Occupation

.....
Post Office

EXPLANATION OF VOCATIONAL COURSES

It is the function of the College of Industrial Arts, not only to offer vocational training for students of college standing, but also to meet the vocational needs of mature and purposeful women of Texas, who, for any reason, may not be able to offer college entrance requirements, but who desire to pursue vocational work and present evidence of being able to do so advantageously. Such students can be admitted only on Individual Approval and their vocational courses are arranged according to their individual needs.

The completion of a group of these courses, as planned for any individual student, entitles the student to receive a Vocational certificate in the group of Vocational subjects outlined for her. For requirements see Bulletin 104. The various courses offered, from which students may choose, are listed below. The group of courses chosen by any student, may be taken only upon consultation with, and the approval of, the Vocational Counselor, whose business it is to give counsel as to the choice and arrangement of Vocational students' schedules. It is not intended that these courses should duplicate courses given in high schools, and, therefore, no College credit and no College entrance credit is allowed for completion of them. They may be pursued with profit by students who have a high school diploma and also by students who have not completed a high school course.

The subjects in the short-term practical and vocational groups, are as follows: Homemakers Group,—cooking, sewing and electives; Commercial Arts Group,—typewriting, shorthand, business English and electives; Dressmaking Group,—millinery, sewing, design and electives; Pottery Group,—pottery, chemistry of pottery and electives; Photography Group,—photography, pictorial composition, and electives if so desired, otherwise student's entire time may be used in picture making; Interior Decoration Group,—interior decoration and electives; Costume Design Group,—costume design and electives; Commercial Advertising Group,—commercial advertising and electives; Telegraphy Group,—telegraphy, typewriting and electives; Linotype Group—Linotyping, business English and electives. For complete description of these courses, and of the additional courses designated above as electives, see Bulletin 104.